

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057577.D
 Acq On : 30 Aug 2019 9:33
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:23 AM

Quant Time: Aug 30 23:38:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	87043	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	515015	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	450959	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	213997	26.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	88.10%
60) 4-Bromofluorobenzene	12.40	95	196624	26.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.33%
63) Toluene-d8	10.08	98	636263	28.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.97%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	97475	21.229	ug/l 100
3) Chloromethane	2.06	50	85312	13.557	ug/l 100
4) Vinyl Chloride	2.18	62	135457	16.527	ug/l 100
5) Bromomethane	2.56	94	125402	21.999	ug/l 100
6) Chloroethane	2.70	64	96716	17.323	ug/l 100
7) Trichlorofluoromethane	3.01	101	310966	22.125	ug/l 100
8) Diethyl Ether	3.40	74	100948	19.338	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	191344	23.711	ug/l 100
10) 1,1-Dichloroethene	3.72	96	168734	21.967	ug/l 100
11) Methyl Iodide	3.93	142	287406	33.958	ug/l 100
12) Methyl Acetate	4.31	43	85141	12.241	ug/l 100
13) Acrolein	3.60	56	54347	62.305	ug/l 100
14) Acrylonitrile	4.97	53	174126	71.073	ug/l 100
15) Acetone	3.81	58	104419	90.248	ug/l 100
16) Carbon Disulfide	4.03	76	166835	13.462	ug/l 100
17) Allyl chloride	4.30	41	116758m	12.466	ug/l
18) Methylene Chloride	4.53	84	93657	17.544	ug/l 100
19) trans-1,2-Dichloroethene	5.02	96	90832	17.873	ug/l 100
20) Diisopropyl ether	5.94	45	280573	13.866	ug/l 100
21) 1,1-Dichloroethane	5.83	63	172899	16.034	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	118498	19.061	ug/l 100
23) tert-Butyl Alcohol	4.80	59	65151	72.766	ug/l 100
24) Methyl tert-Butyl Ether	5.03	73	296349	17.633	ug/l 100
25) Chloroform	7.36	83	203619	18.397	ug/l 100
26) Cyclohexane	7.64	56	145619	15.239	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	141537	16.691	ug/l 100
30) 2-Butanone	6.82	43	241990	62.878	ug/l 100
31) 2,2-Dichloropropane	6.81	77	167105	17.209	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	187396	18.860	ug/l 100
33) Carbon Tetrachloride	7.76	117	155619	18.819	ug/l 100
34) Benzene	8.03	78	426153	17.073	ug/l 100
35) Methacrylonitrile	7.16	41	44421	11.595	ug/l 100
36) 1,2-Dichloroethane	8.11	62	161389	16.526	ug/l 100
37) Trichloroethene	8.82	130	121210	20.445	ug/l 100
38) Methylcyclohexane	9.07	83	174120	17.972	ug/l 100
39) 1,2-Dichloropropane	9.11	63	102944	14.879	ug/l 100
40) Dibromomethane	9.20	93	79984	18.148	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	160898	17.284	ug/l	100
42) Vinyl Acetate	5.88	43	1094898	63.042	ug/l	100
43) Ethyl Acetate	6.92	43	92793	12.335	ug/l	100
44) Isopropyl Acetate	8.16	43	182306	12.636	ug/l	100
45) 1,4-Dioxane	9.20	88	30563	334.819	ug/l	100
46) Methyl methacrylate	9.19	41	86629	12.604	ug/l	100
47) n-amyl Acetate	12.07	43	144228	12.266	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	154300	15.881	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	171062	16.087	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	108303	18.652	ug/l	100
51) Ethyl methacrylate	10.43	69	138815	14.896	ug/l	100
52) 1,3-Dichloropropane	10.70	76	174856	16.884	ug/l	100
53) Dibromochloromethane	10.90	129	116655	18.714	ug/l	100
54) 1,2-Dibromoethane	11.00	107	110621	18.482	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	162791	69.659	ug/l	100
56) Bromoform	12.13	173	73303	19.277	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	510323	63.349	ug/l	100
59) 2-Hexanone	10.75	43	355079	63.623	ug/l	100
61) Tetrachloroethene	10.63	164	117504	22.234	ug/l	100
62) Toluene	10.15	91	487463	18.138	ug/l	100
64) Chlorobenzene	11.43	112	297686	19.845	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	113306	19.880	ug/l	100
66) Ethyl Benzene	11.51	91	531125	18.334	ug/l	100
67) m/p-Xylenes	11.62	106	398968	39.052	ug/l	100
68) o-Xylene	11.95	106	197502	19.648	ug/l	100
69) Styrene	11.96	104	311834	19.217	ug/l	100
70) Isopropylbenzene	12.25	105	544903	20.050	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	132775	17.443	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	113128m	16.512	ug/l	100
73) Bromobenzene	12.53	156	120565	21.381	ug/l	100
74) n-propylbenzene	12.59	91	555828	18.181	ug/l	100
75) 2-Chlorotoluene	12.67	91	336241	18.684	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	445746	19.979	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	29376	12.466	ug/l	100
78) 4-Chlorotoluene	12.77	91	321877	18.649	ug/l	100
79) tert-butylbenzene	12.99	119	398583	20.787	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	431114	20.556	ug/l	100
81) sec-Butylbenzene	13.17	105	503600	20.028	ug/l	100
82) p-Isopropyltoluene	13.29	119	437802	20.421	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	185268	20.961	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	175887	20.434	ug/l	100
85) n-Butylbenzene	13.62	91	319510	17.483	ug/l	100
86) Hexachloroethane	13.88	117	74318	17.897	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	186959	21.543	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18051	14.326	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	49789	15.353	ug/l	100
90) Hexachlorobutadiene	15.01	225	59700	23.759	ug/l	100
91) Naphthalene	15.13	128	148456	14.558	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	50302	15.711	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

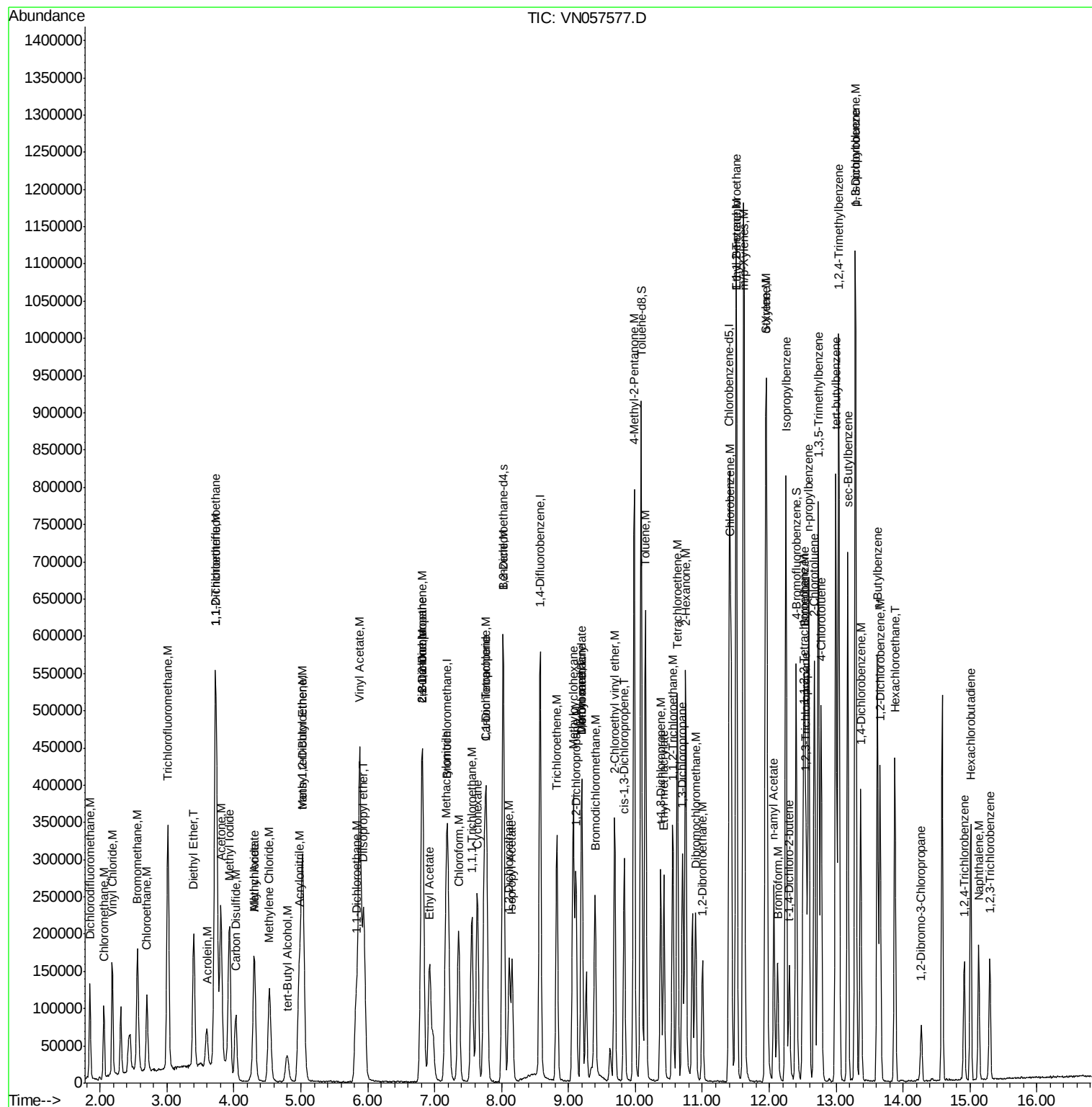
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Data File : VN057577.D
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Operator : JC/SP
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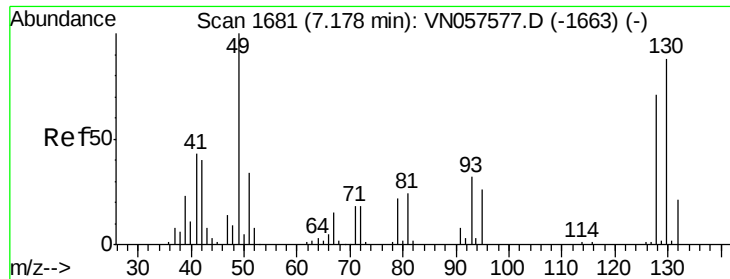
Instrument :
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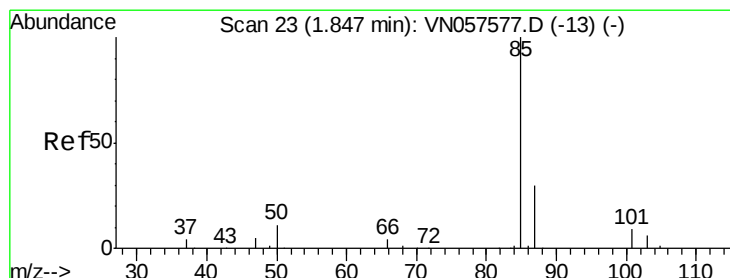
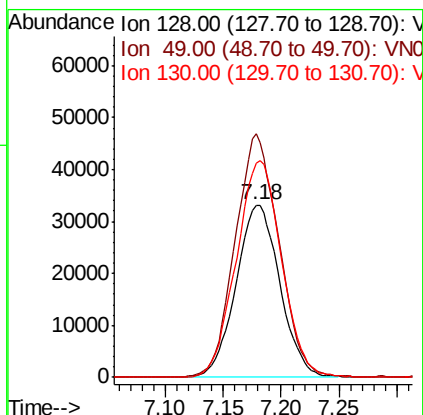
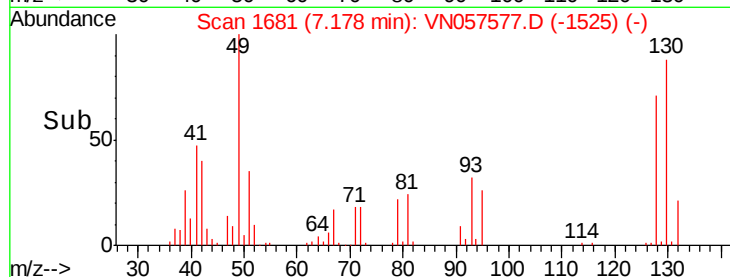
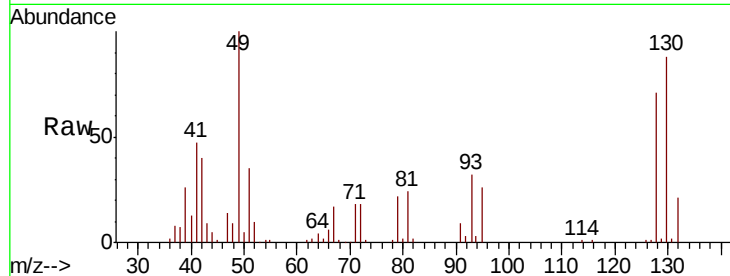
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

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 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
128	100		
49	140.9	0.0	352.3
130	129.9	0.0	324.7

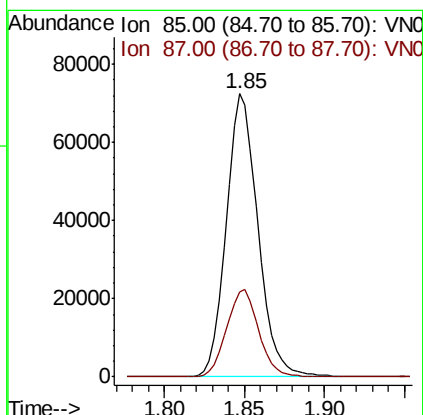
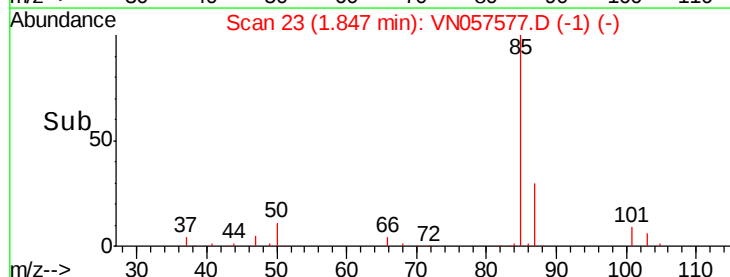
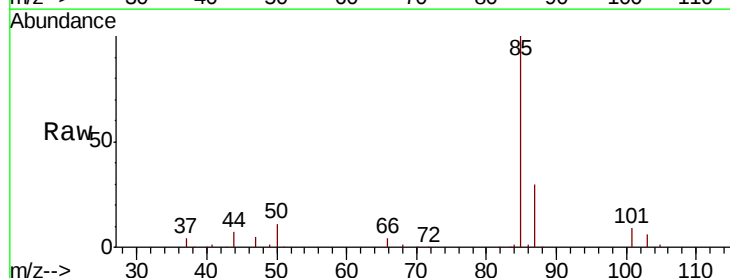
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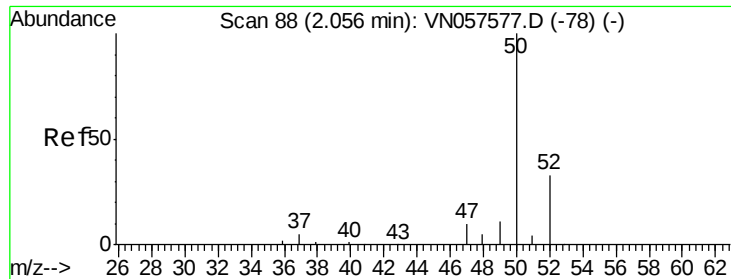
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#2
 Dichlorodifluoromethane
 Concen: 21.229 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.0	15.0	45.0





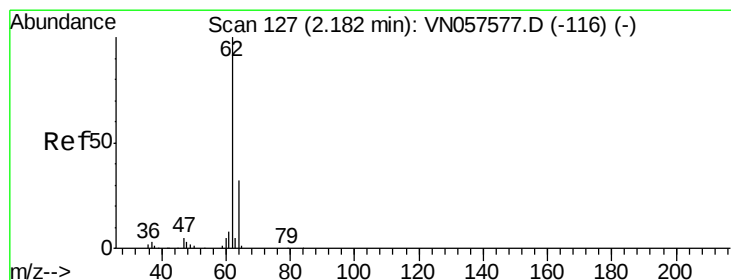
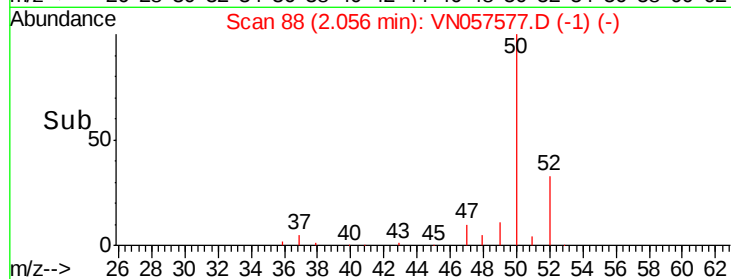
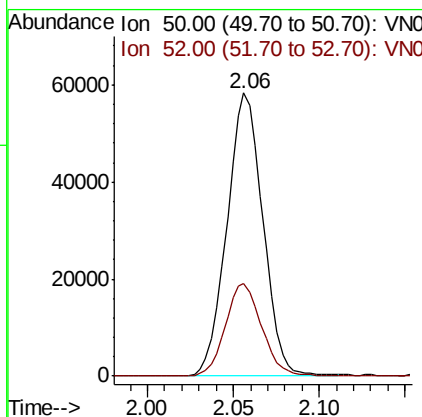
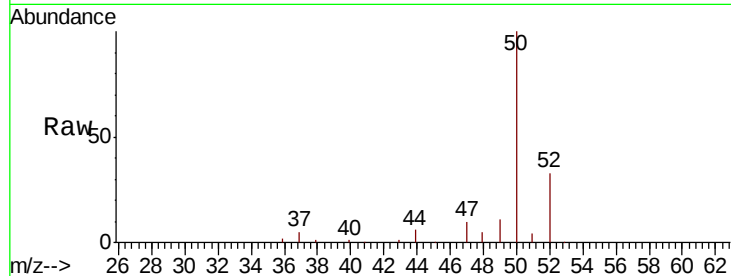
#3
 Chloromethane
 Concen: 13.557 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
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Tgt Ion: 50 Resp: 85312
 Ion Ratio Lower Upper
 50 100
 52 32.7 26.2 39.2

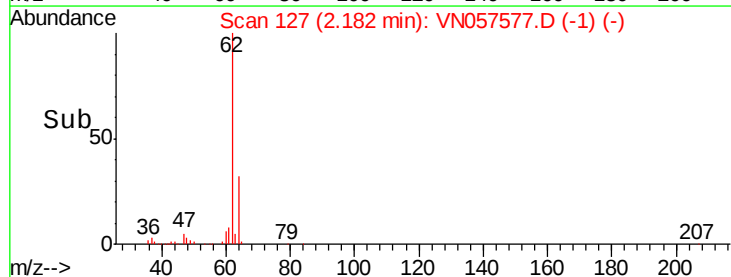
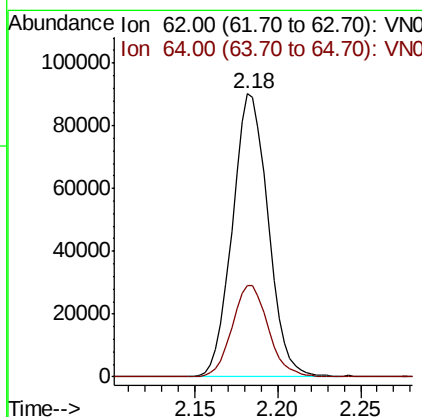
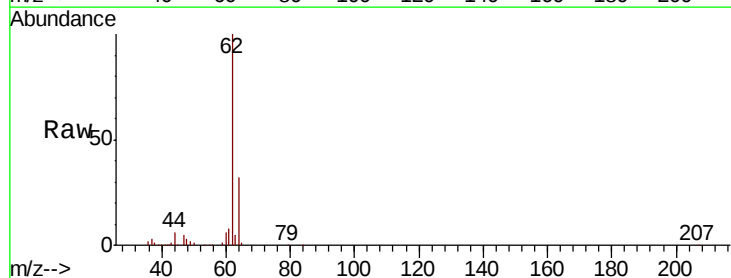
Manual Integrations
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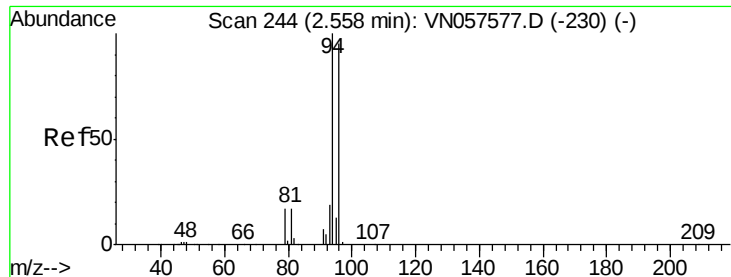
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#4
 Vinyl Chloride
 Concen: 16.527 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion: 62 Resp: 135457
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.9 38.9





#5

Bromomethane

Concen: 21.999 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 94 Resp: 125402

Ion Ratio Lower Upper

94 100

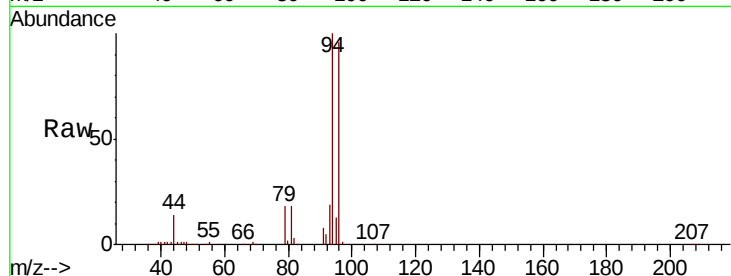
96 95.3 76.2 114.4

Manual Integrations

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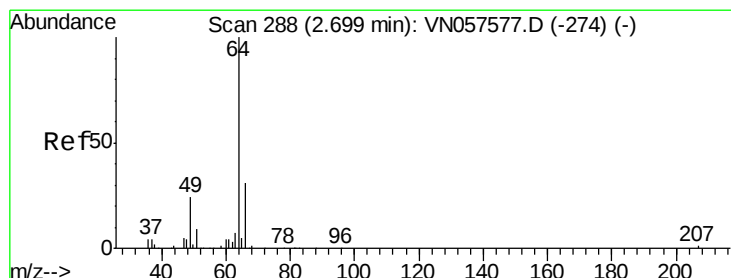
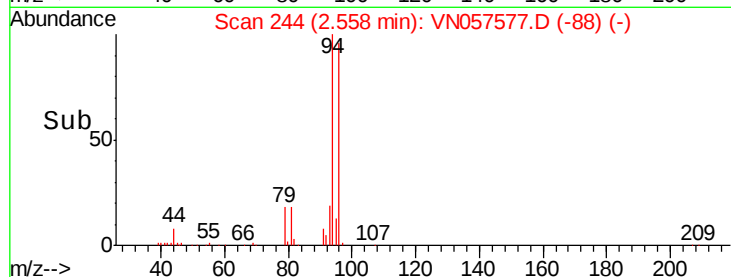
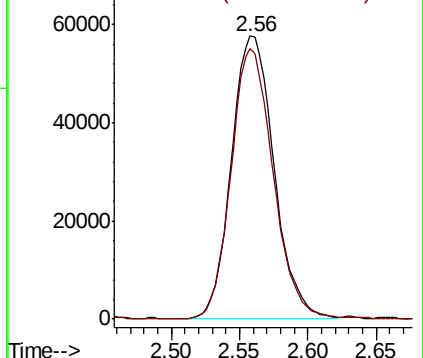
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 17.323 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057577.D

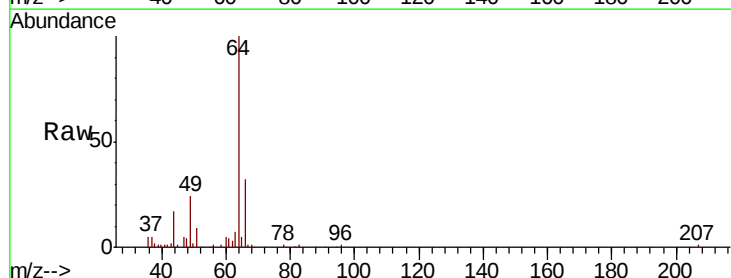
Acq: 30 Aug 2019 9:33

Tgt Ion: 64 Resp: 96716

Ion Ratio Lower Upper

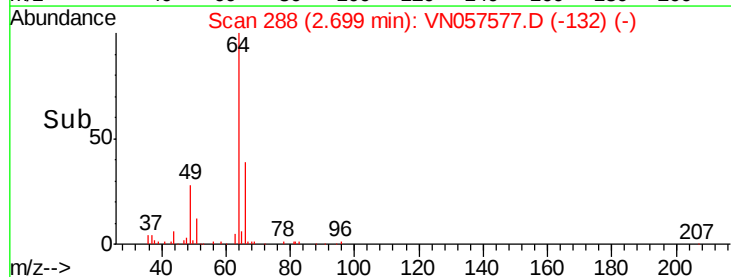
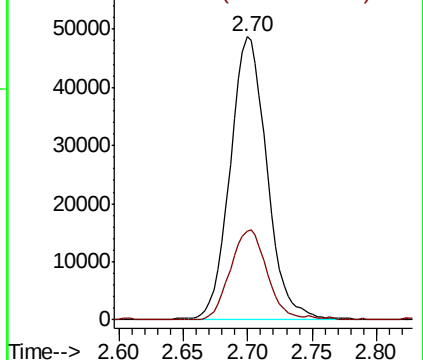
64 100

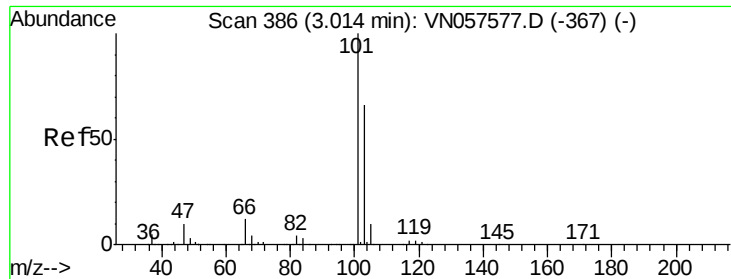
66 31.4 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

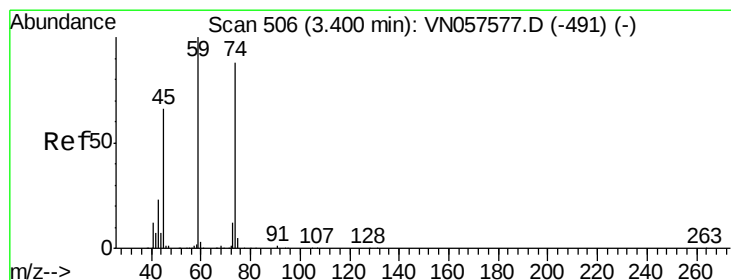
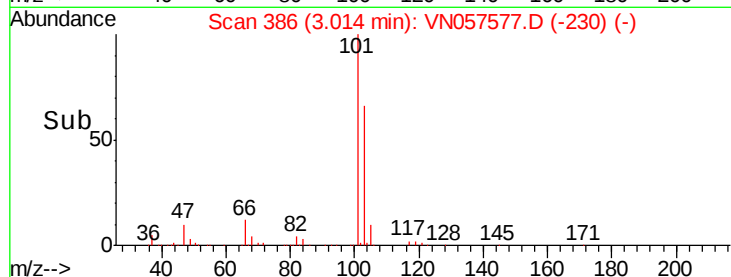
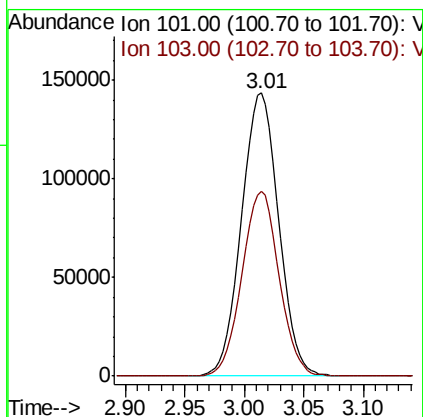
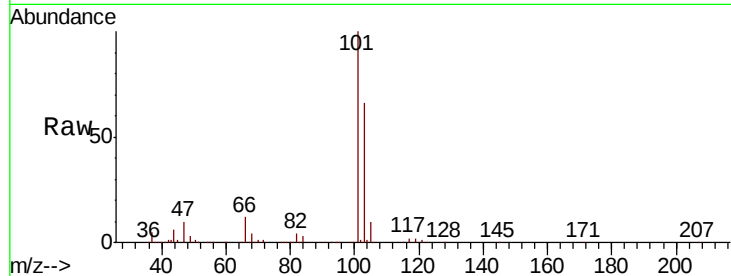
Trichlorofluoromethane
 Concen: 22.125 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6

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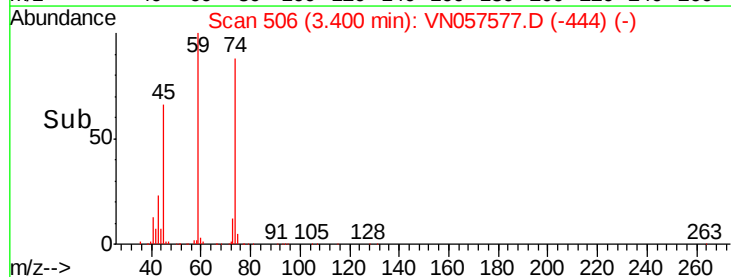
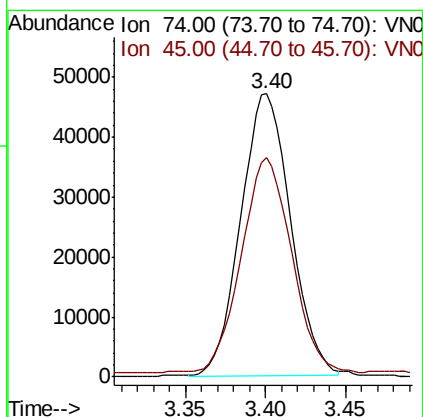
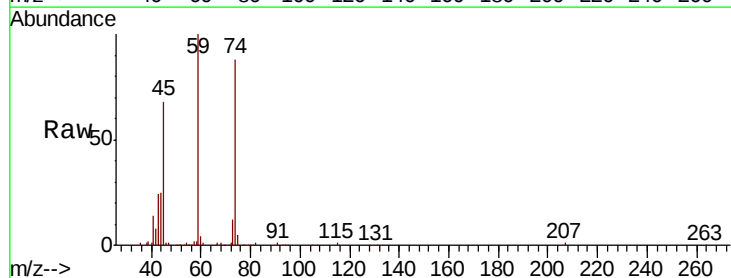
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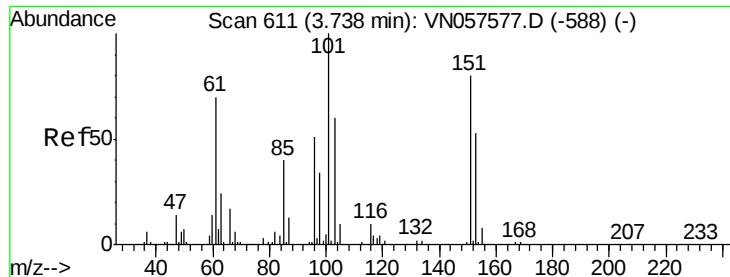


#8

Diethyl Ether
 Concen: 19.338 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.0	15.2	137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.711 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

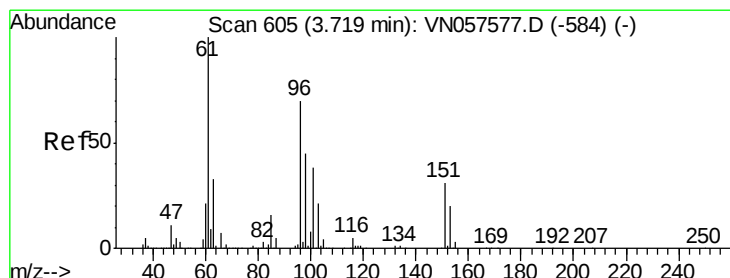
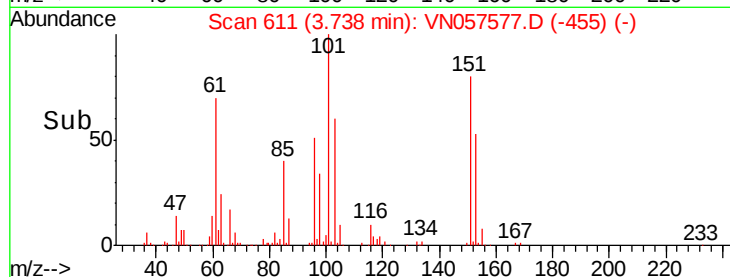
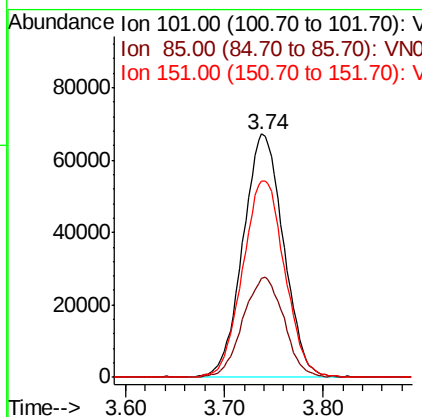
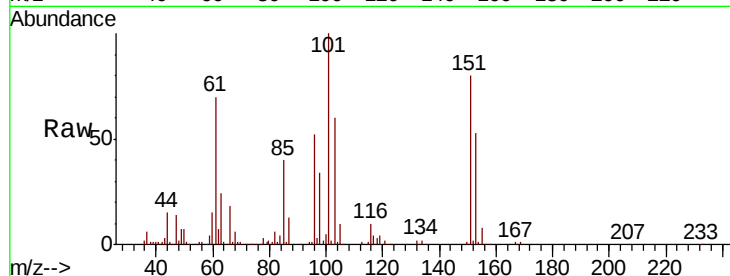
ClientSampleId :

VSTDICCC020

Tgt Ion:	101	Resp:	191344
Ion Ratio	Lower	Upper	
101	100		
85	41.6	0.0	83.2
151	83.3	0.0	166.6

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#10

1,1-Dichloroethene

Concen: 21.967 ug/l

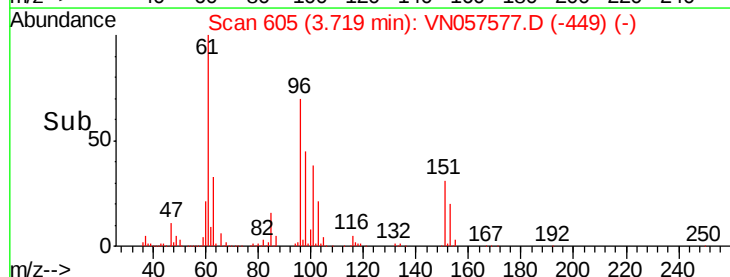
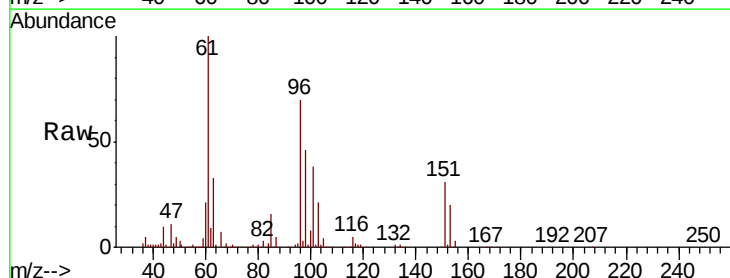
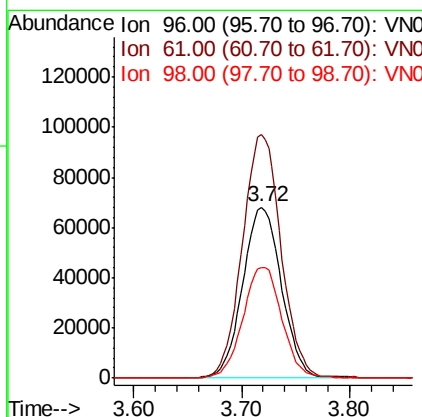
RT: 3.72 min Scan# 605

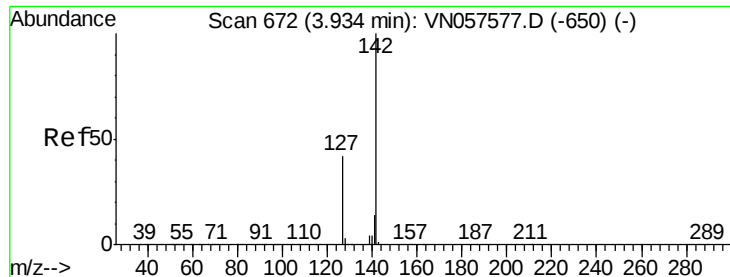
Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Tgt Ion:	96	Resp:	168734
Ion Ratio	Lower	Upper	
96	100		
61	142.8	114.2	171.4
98	64.7	51.8	77.6





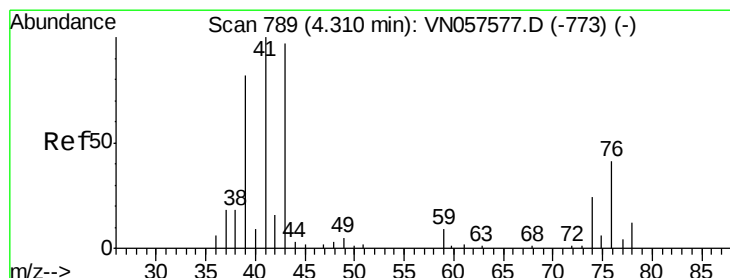
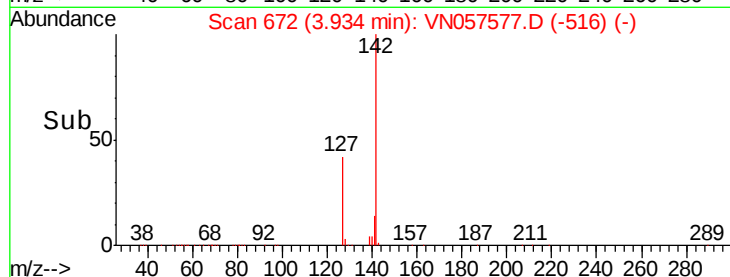
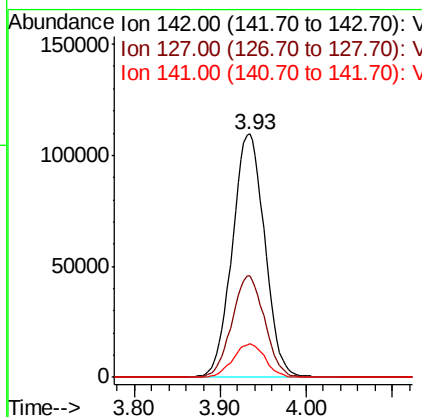
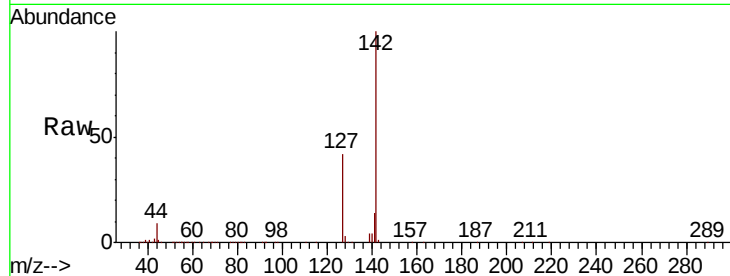
#11
Methyl Iodide
Concen: 33.958 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.6	20.8	62.4
141	13.6	6.8	20.4

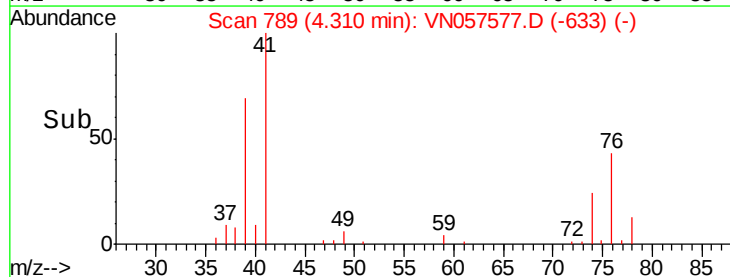
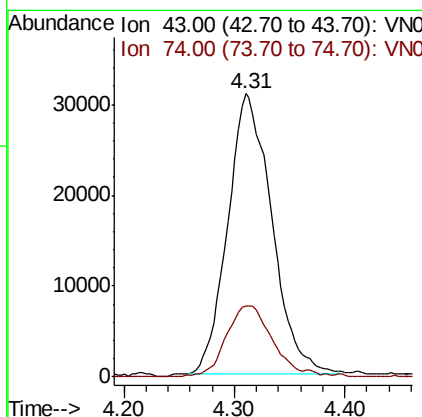
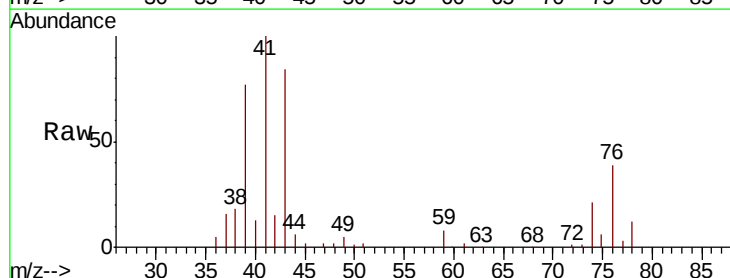
Manual Integrations
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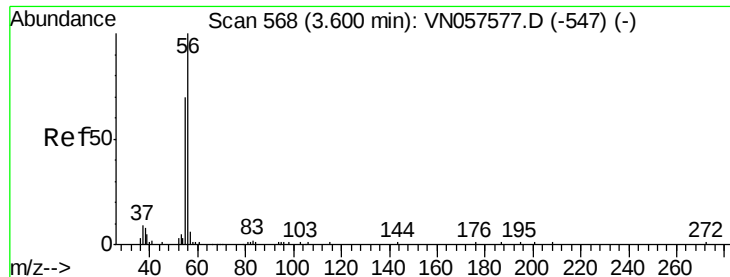
MMDadoda
8/31/2019 10:00:23 AM



#12
Methyl Acetate
Concen: 12.241 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.6	29.4





#13

Acrolein

Concen: 62.305 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 56 Resp: 54347

Ion Ratio Lower Upper

56 100

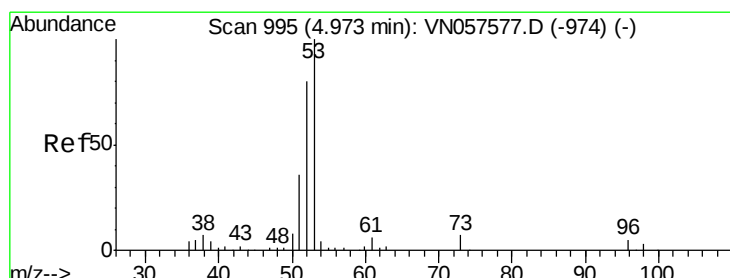
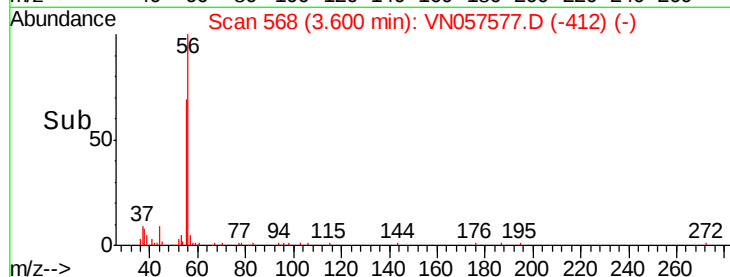
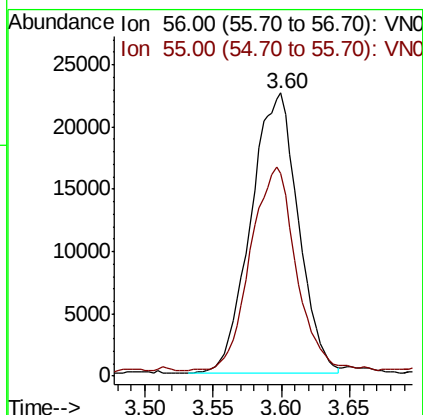
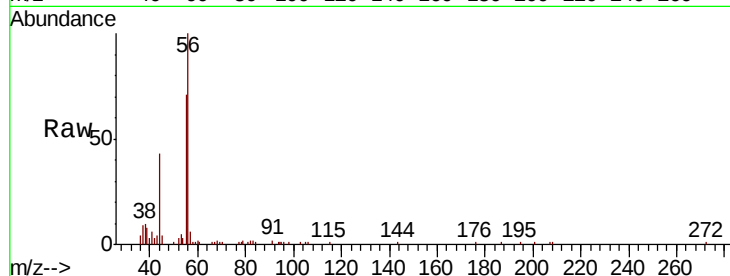
55 68.1 54.5 81.7

Manual Integrations

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MMDadoda

8/31/2019 10:00:23 AM



#14

Acrylonitrile

Concen: 71.073 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

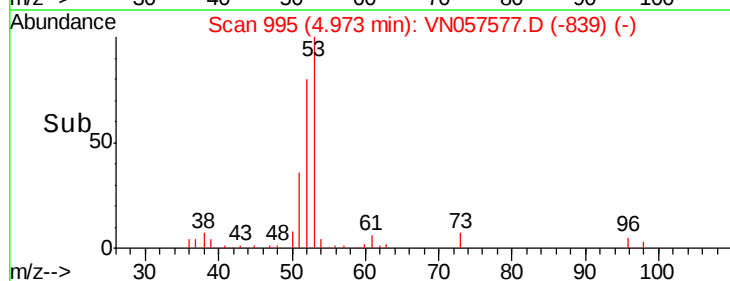
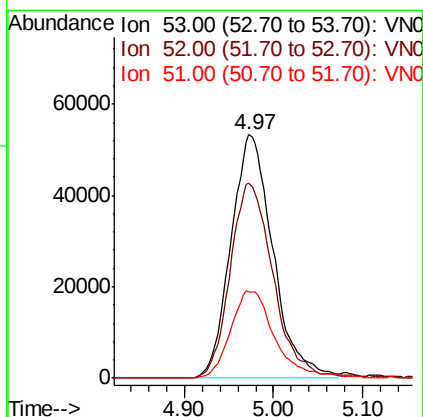
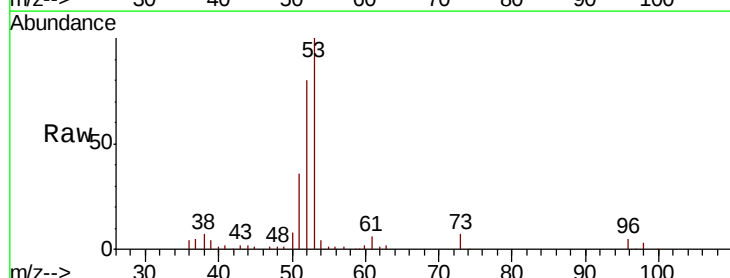
Tgt Ion: 53 Resp: 174126

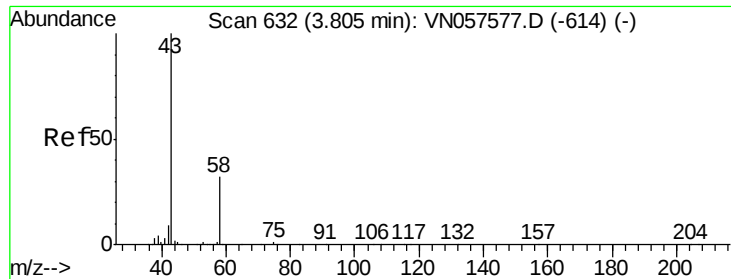
Ion Ratio Lower Upper

53 100

52 81.3 40.6 122.0

51 16.6 8.3 24.9





#15

Acetone

Concen: 90.248 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tgt Ion: 58 Resp: 104419

Ion Ratio Lower Upper

58 100

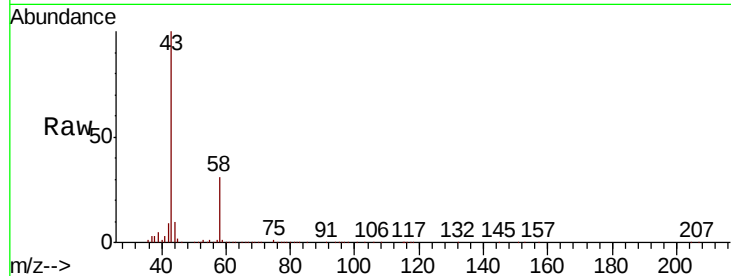
43 316.0 252.8 379.2

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

150000

100000

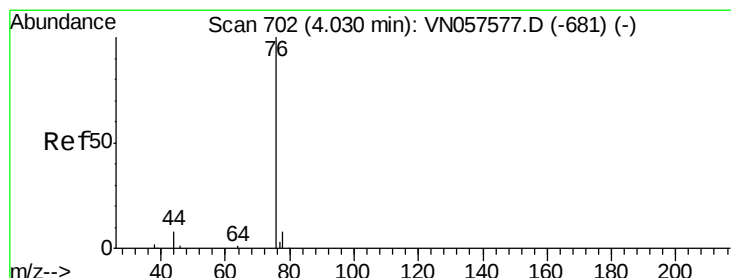
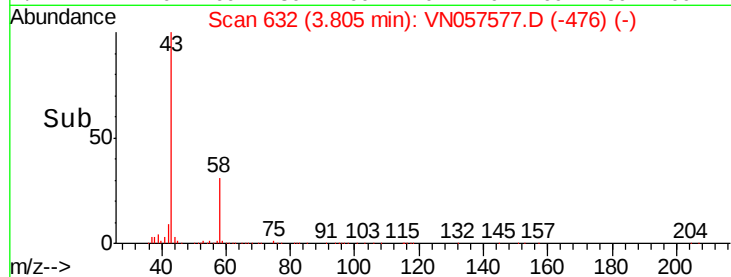
50000

0

3.70 3.80 3.90

3.81

Time-->



#16

Carbon Disulfide

Concen: 13.462 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057577.D

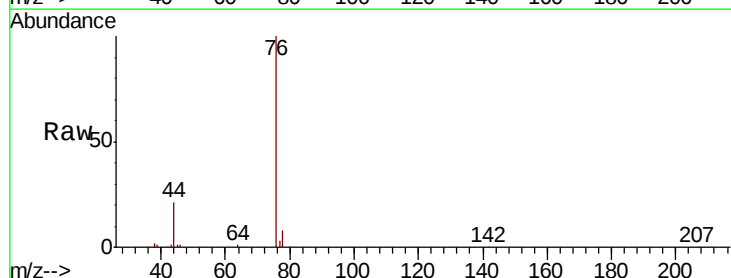
Acq: 30 Aug 2019 9:33

Tgt Ion: 76 Resp: 166835

Ion Ratio Lower Upper

76 100

78 8.4 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

60000

40000

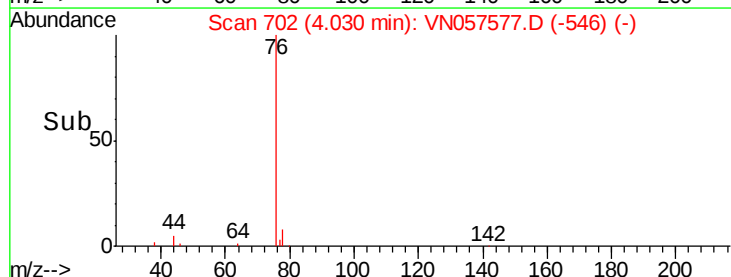
20000

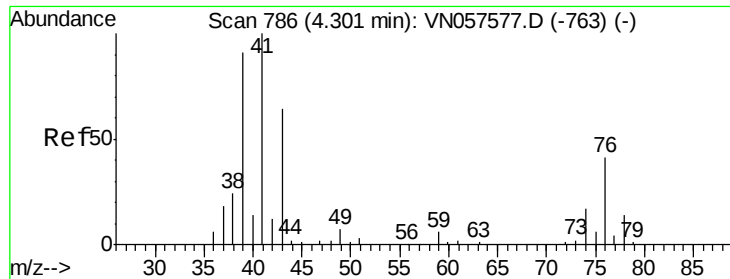
0

3.90 4.00 4.10

4.03

Time-->





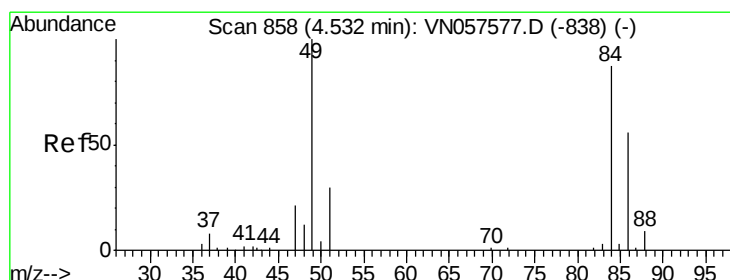
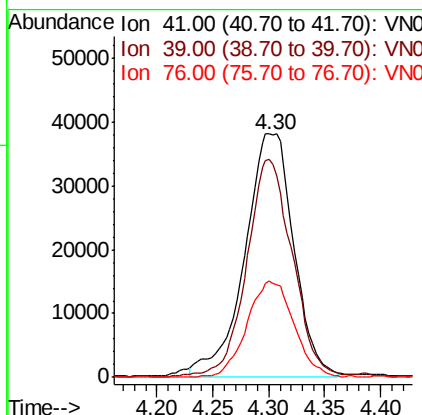
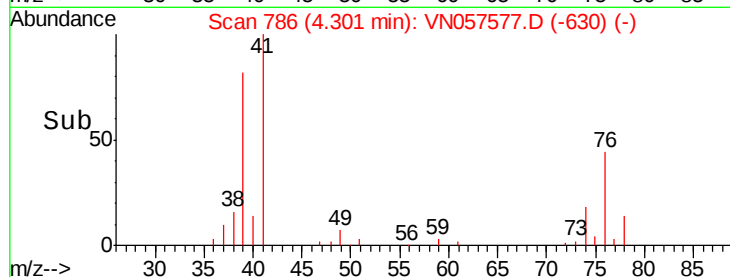
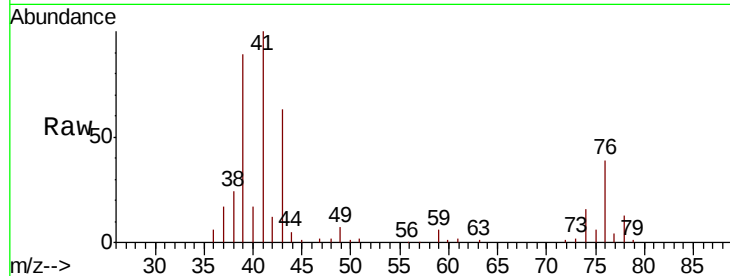
#17
 Allyl chloride
 Concen: 12.466 ug/l m
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	116758		
39	89.3	44.6	134.0	
76	39.5	19.8	59.3	

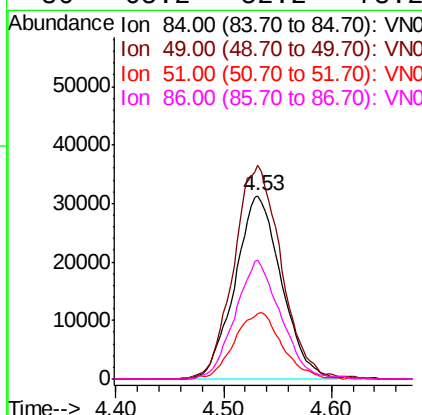
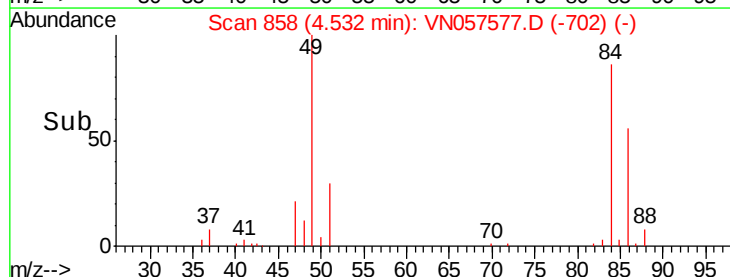
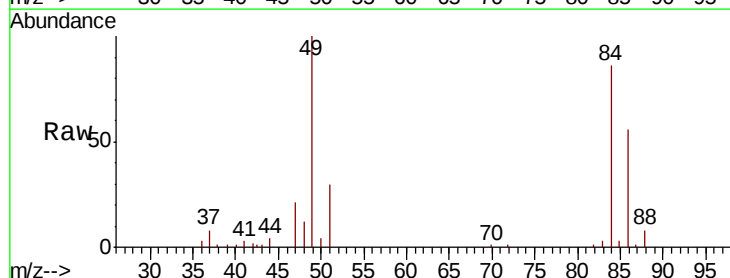
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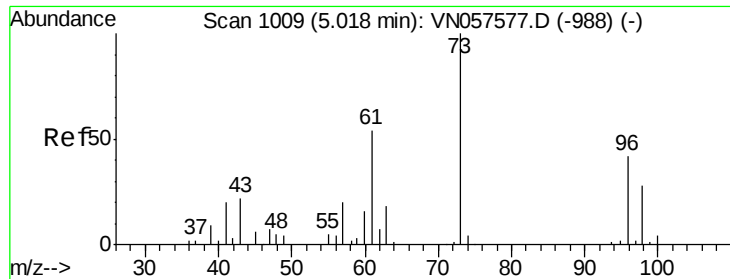
MMDadoda
 8/31/2019 10:00:23 AM



#18
 Methylene Chloride
 Concen: 17.544 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	93657		
49	115.5	92.4	138.6	
51	34.9	27.9	41.9	
86	65.2	52.2	78.2	





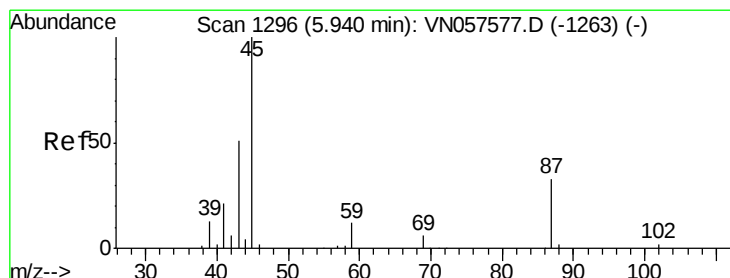
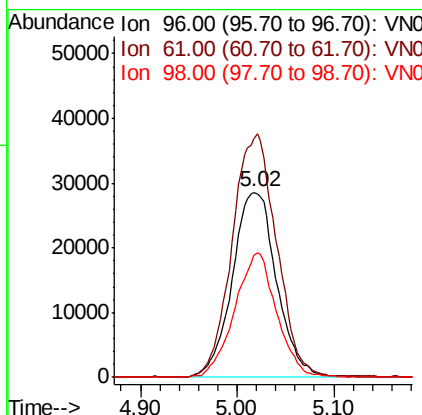
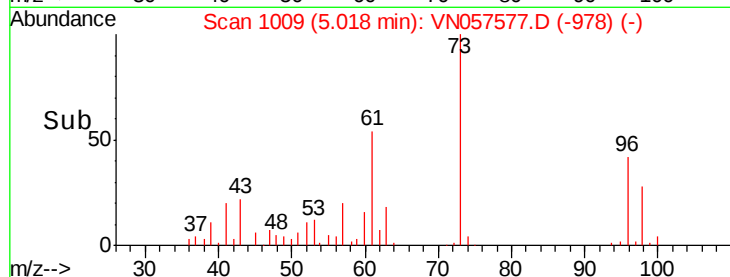
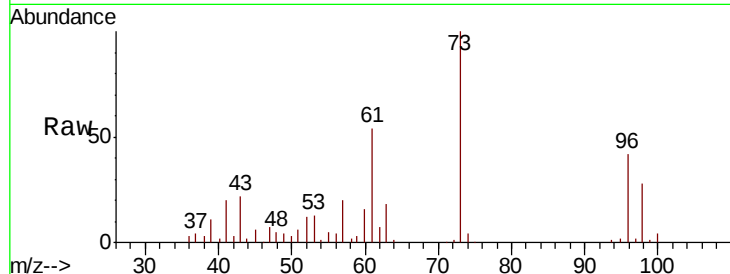
#19
trans-1,2-Dichloroethene
Concen: 17.873 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.2	102.6	153.8
98	65.8	52.6	79.0

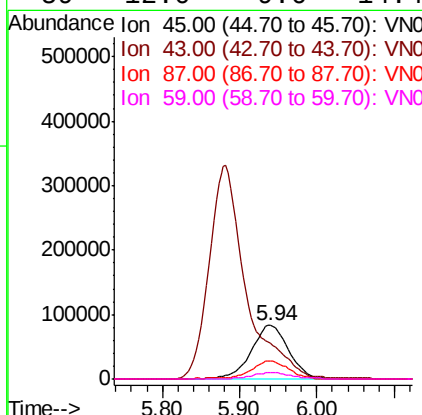
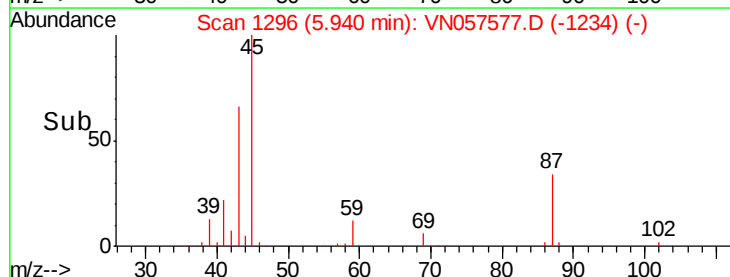
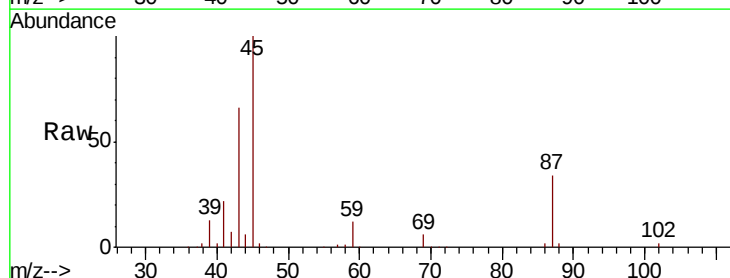
Manual Integrations
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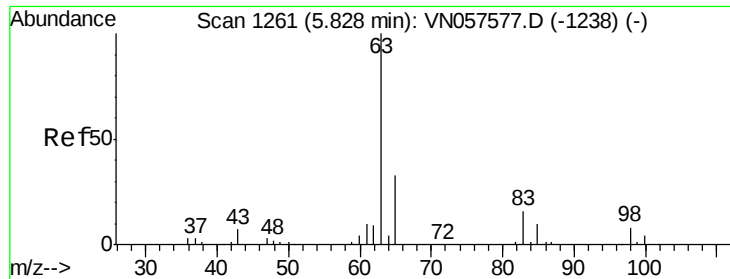
MMDadoda
8/31/2019 10:00:23 AM



#20
Diisopropyl ether
Concen: 13.866 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	51.9	77.9
87	34.1	27.3	40.9
59	12.0	9.6	14.4





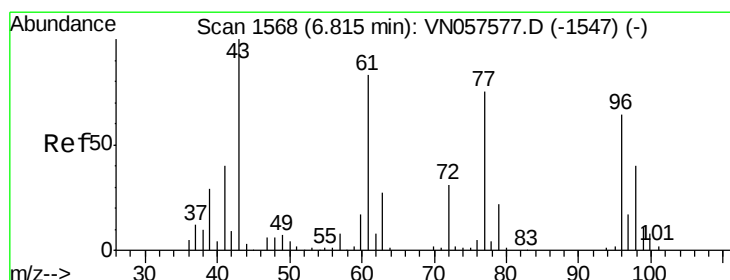
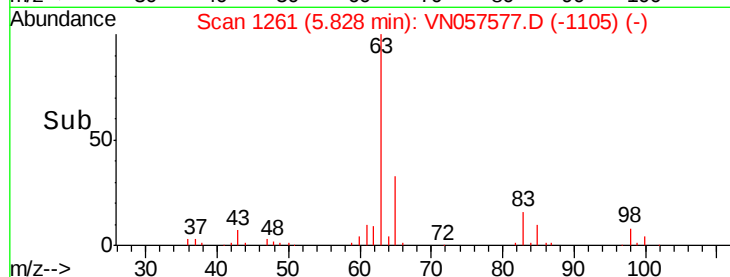
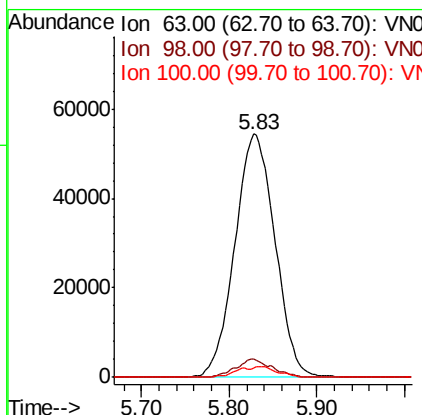
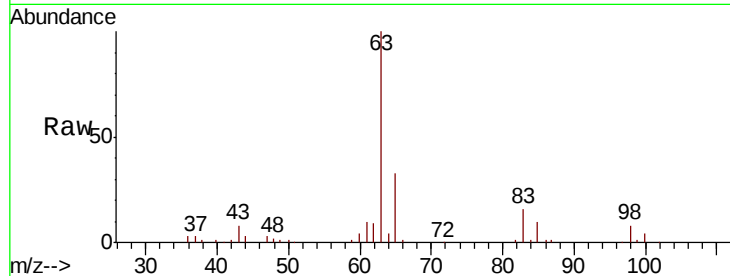
#21
 1,1-Dichloroethane
 Concen: 16.034 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	172899		
98	7.5	3.8	11.2	
100	4.0	2.0	6.0	

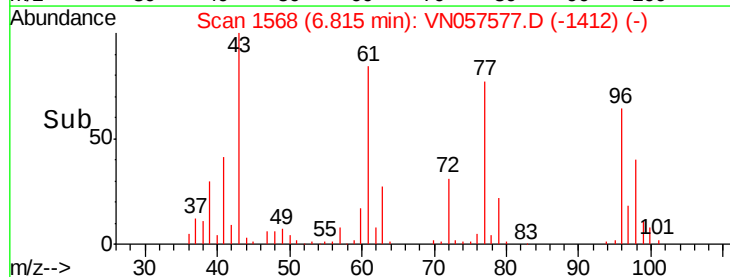
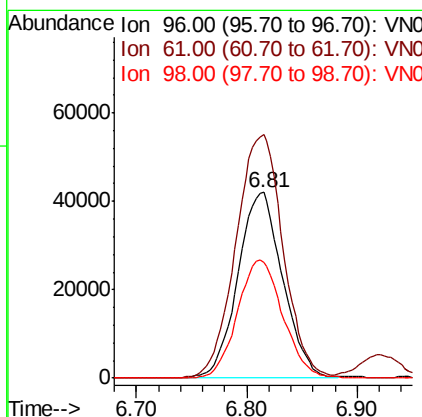
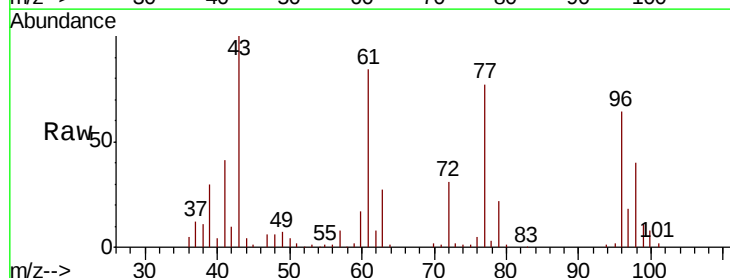
Manual Integrations
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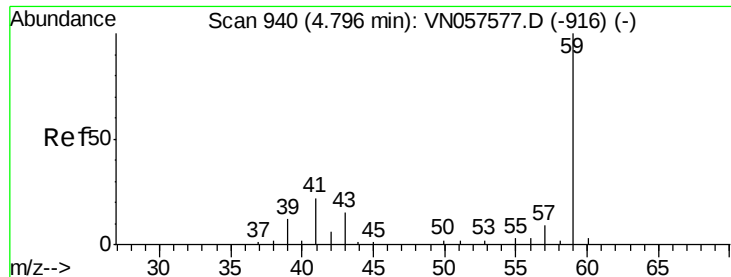
MMDadoda
 8/31/2019 10:00:23 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.061 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	118498		
61	138.1	110.5	165.7	
98	63.9	51.1	76.7	





#23

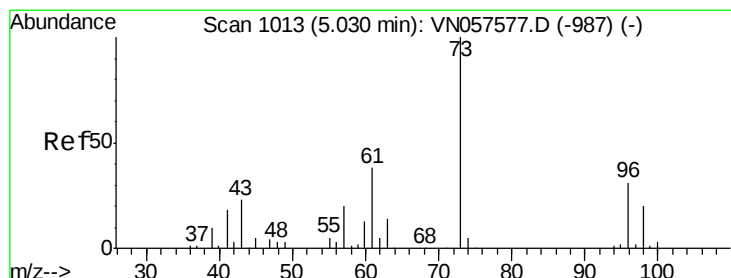
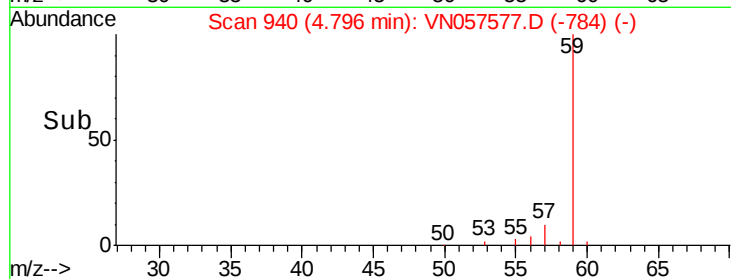
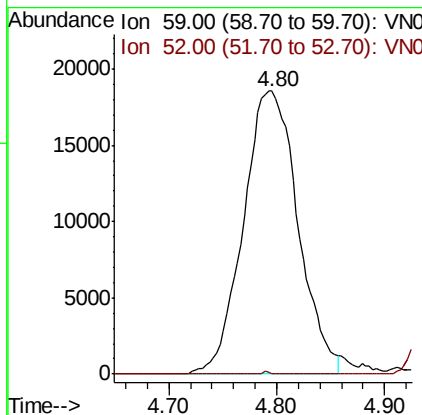
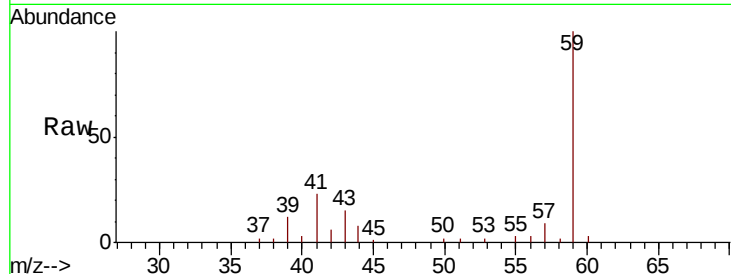
tert-Butyl Alcohol
 Concen: 72.766 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
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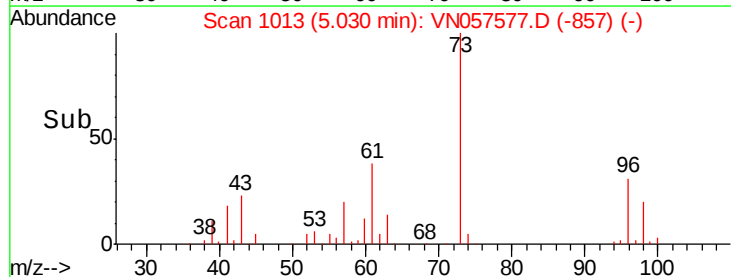
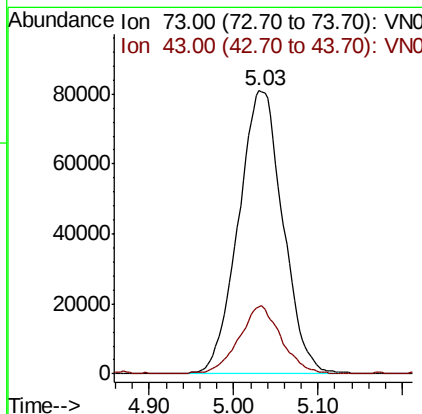
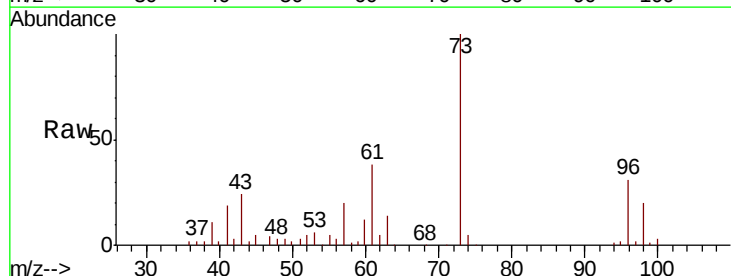
MMDadoda
 8/31/2019 10:00:23 AM

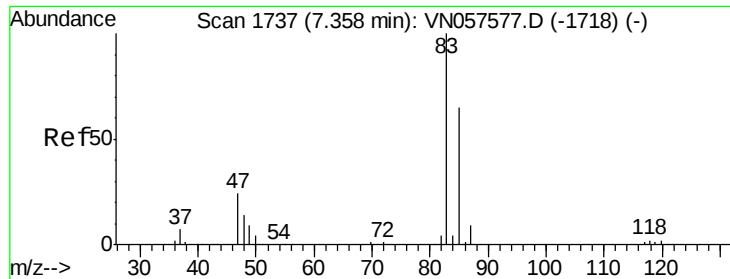


#24

Methyl tert-Butyl Ether
 Concen: 17.633 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.0	18.4	27.6





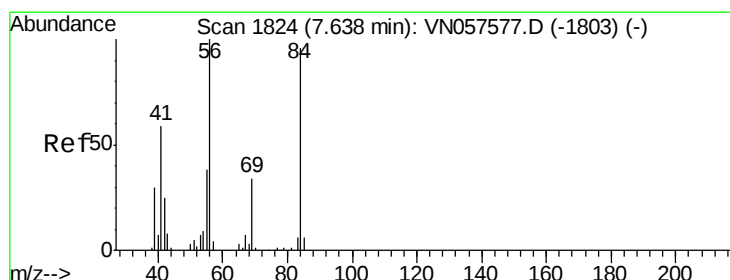
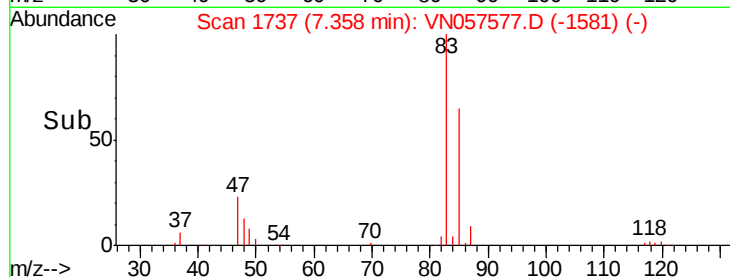
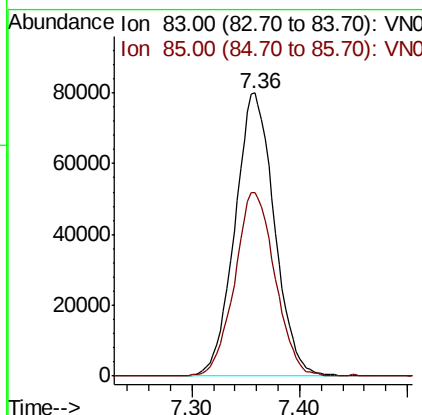
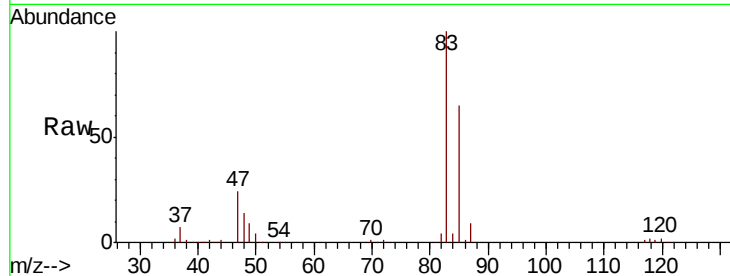
#25
Chloroform
Concen: 18.397 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

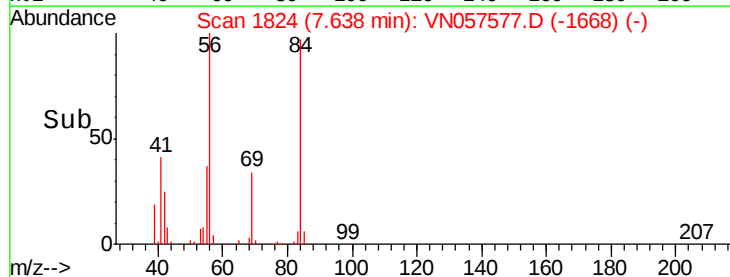
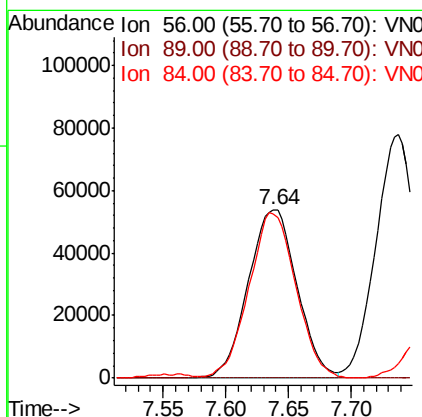
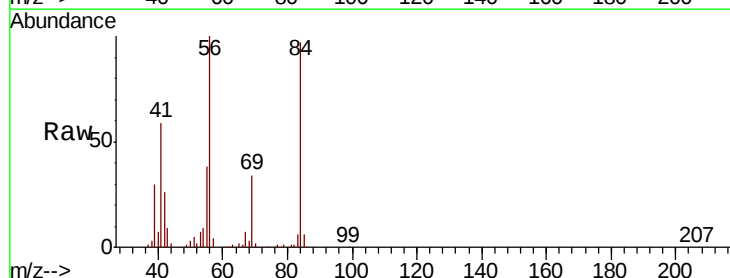
Manual Integrations
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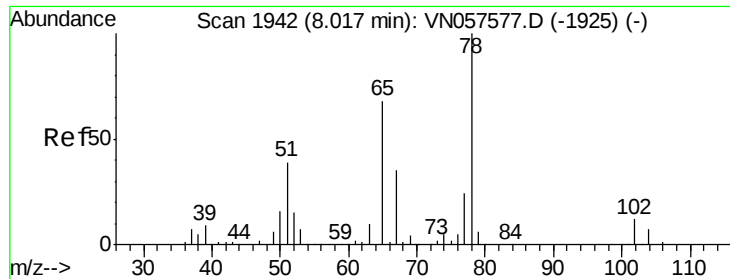
MMDadoda
8/31/2019 10:00:23 AM



#26
Cyclohexane
Concen: 15.239 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	94.9	75.9	113.9





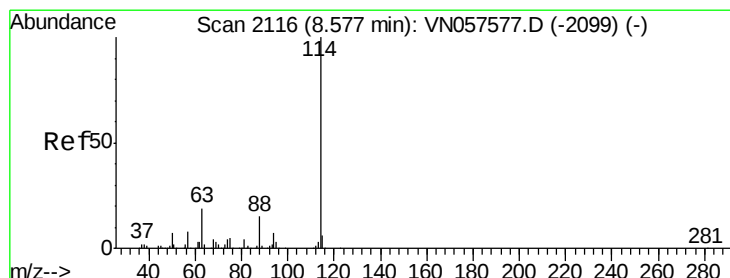
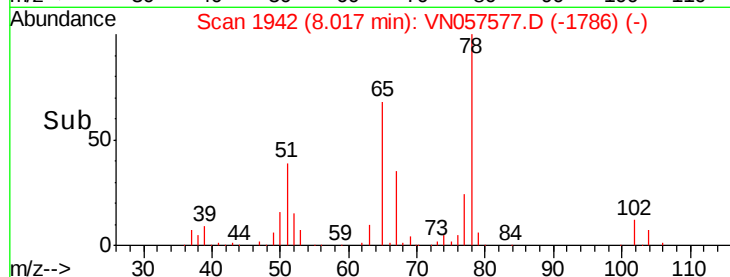
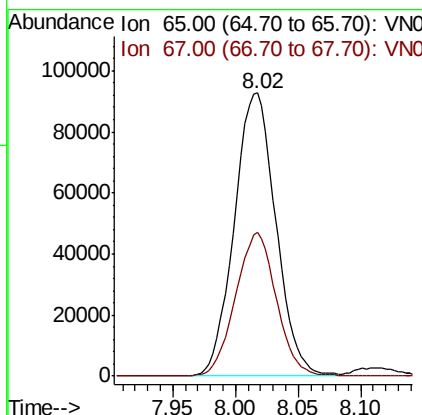
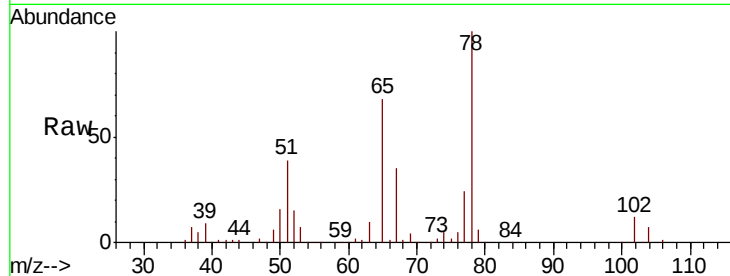
#27
 1,2-Dichloroethane-d4
 Concen: 26.425 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	213997		
67	49.7	39.8	59.6	

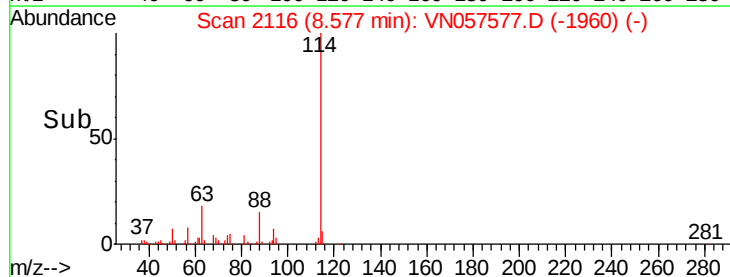
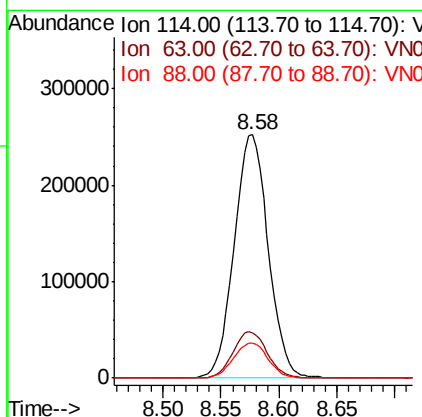
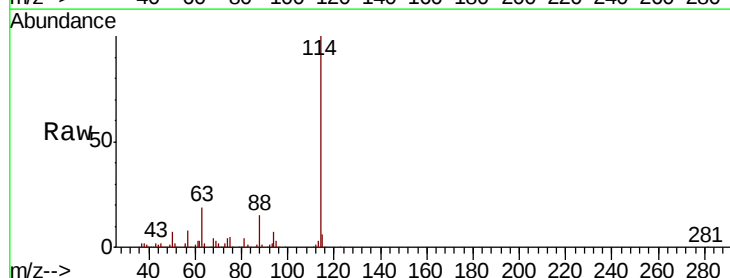
Manual Integrations
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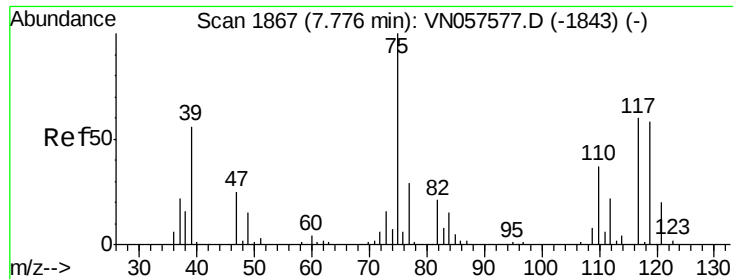
MMDadoda
 8/31/2019 10:00:23 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	515015		
63	19.2	15.4	23.0	
88	14.8	11.8	17.8	





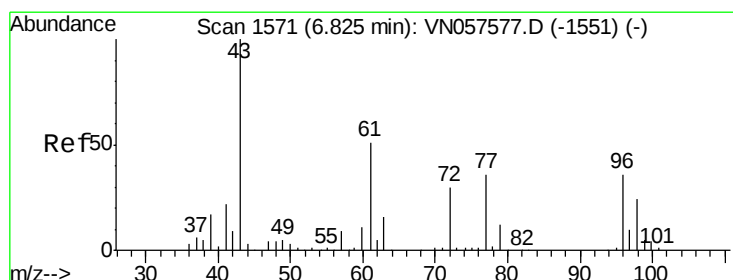
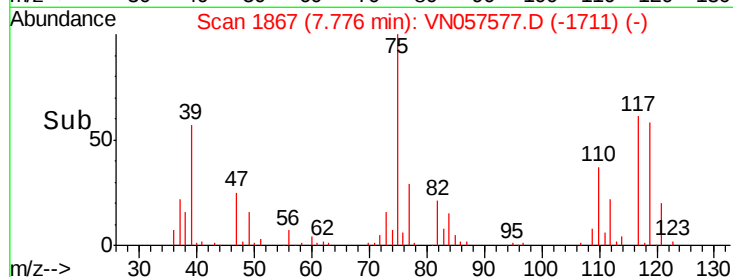
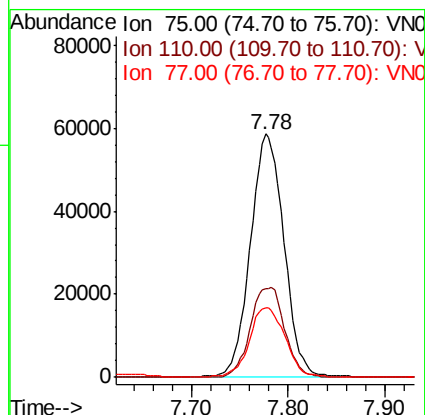
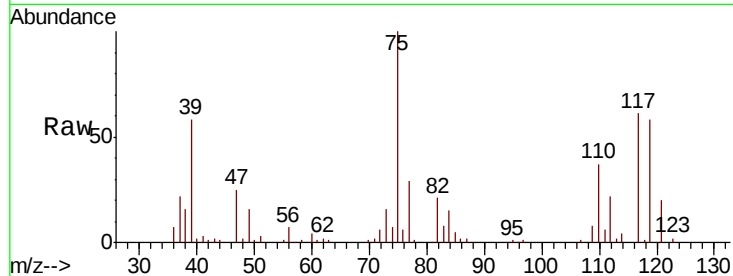
#29
 1,1-Dichloropropene
 Concen: 16.691 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	37.7	0.0	75.4
77	30.5	0.0	61.0

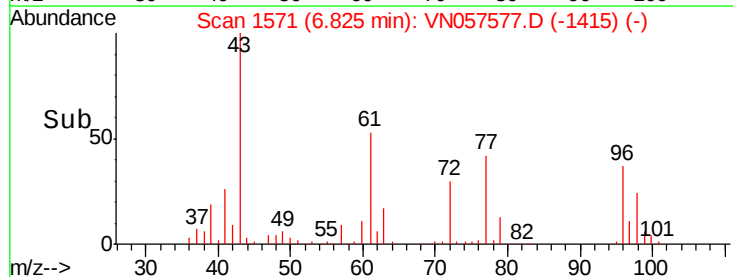
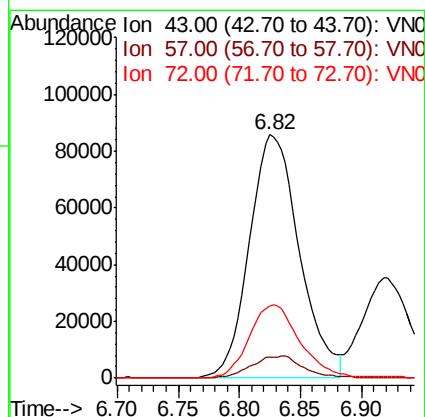
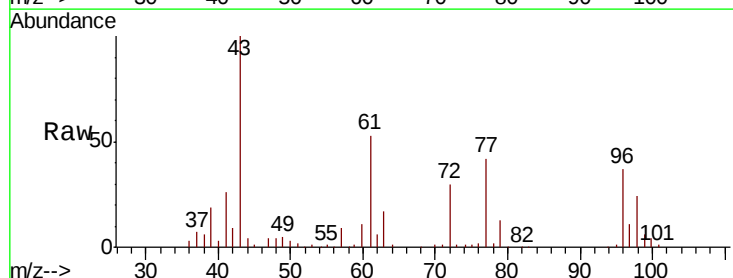
Manual Integrations
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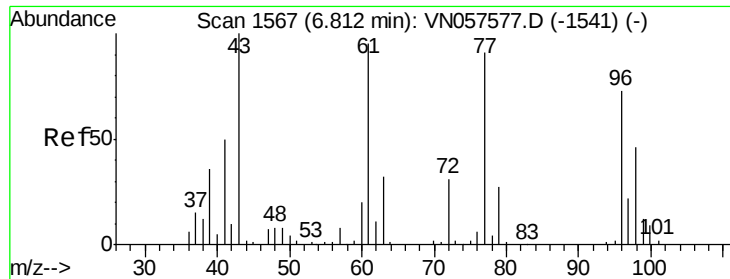
MMDadoda
 8/31/2019 10:00:23 AM



#30
 2-Butanone
 Concen: 62.878 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	4.4	3.5	5.3
72	30.7	24.6	36.8





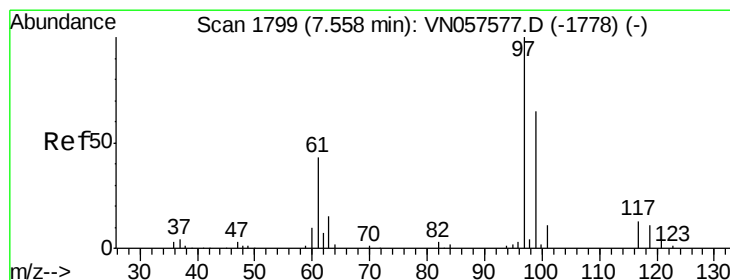
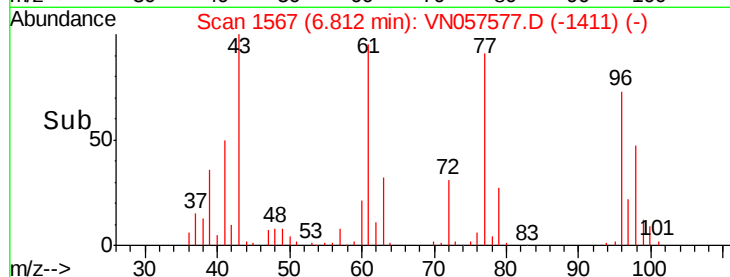
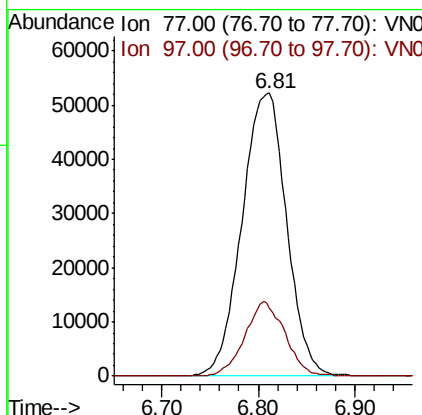
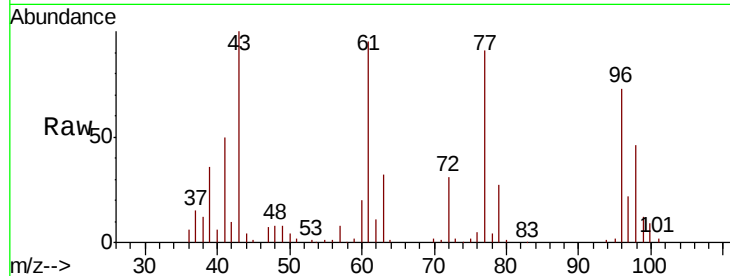
#31
 2,2-Dichloropropane
 Concen: 17.209 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 77 Resp: 167105
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.9 28.3

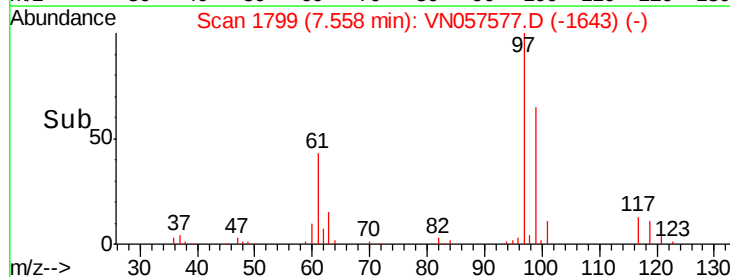
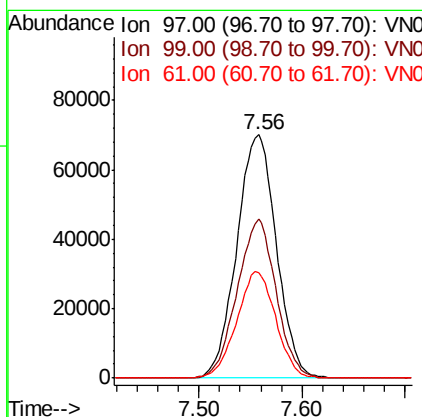
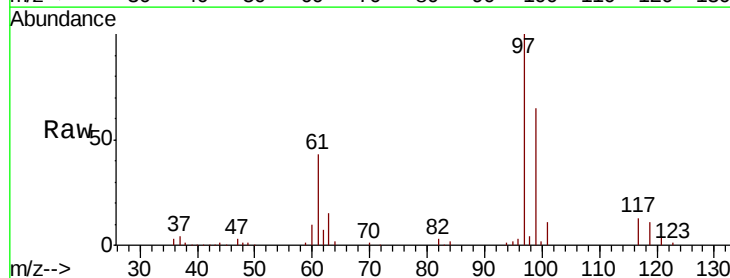
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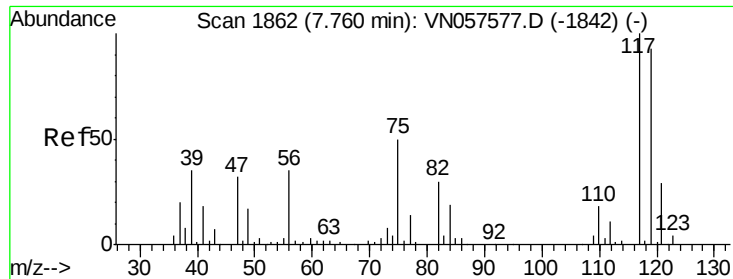
MMDadoda
 8/31/2019 10:00:23 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.860 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion: 97 Resp: 187396
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.1 76.7
 61 43.0 34.4 51.6





#33

Carbon Tetrachloride

Concen: 18.819 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 117 Resp: 155619
Ion Ratio Lower Upper

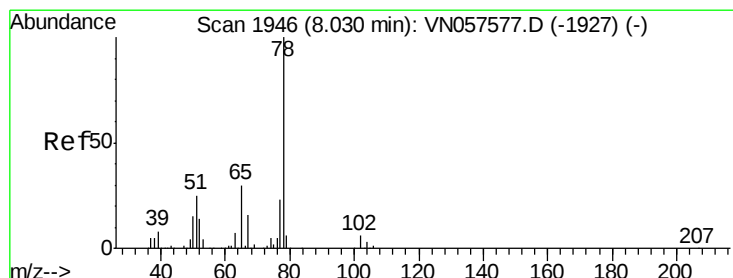
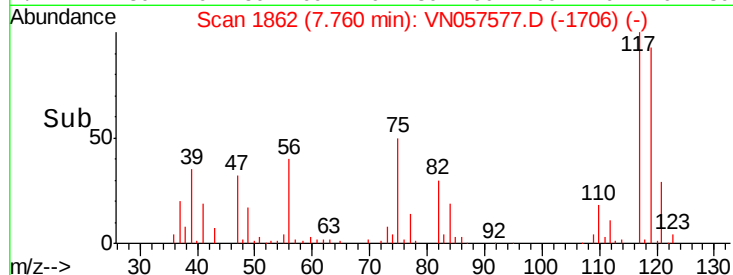
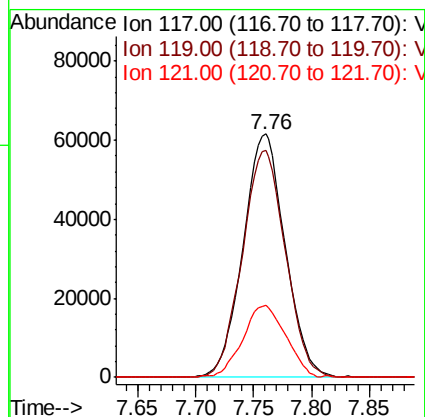
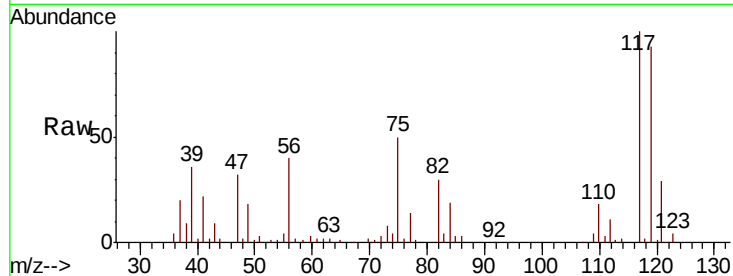
117 100

119 93.2 74.6 111.8

121 29.4 23.5 35.3

Manual Integrations
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8/31/2019 10:00:23 AM



#34

Benzene

Concen: 17.073 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057577.D

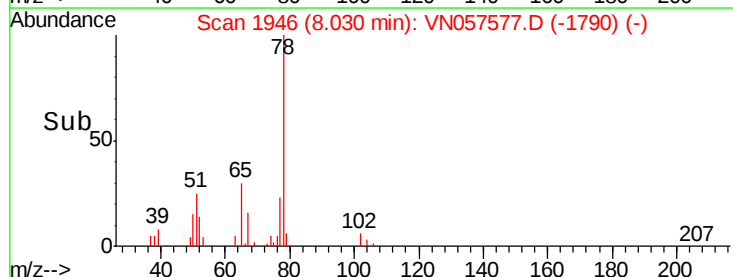
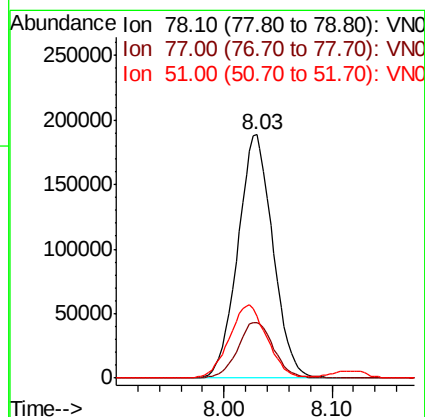
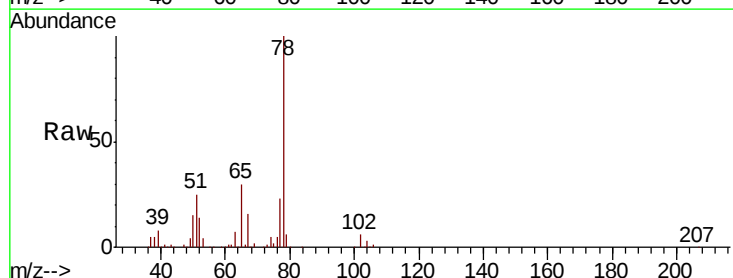
Acq: 30 Aug 2019 9:33

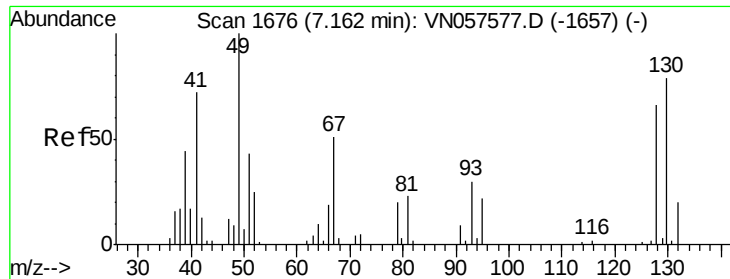
Tgt Ion: 78 Resp: 426153
Ion Ratio Lower Upper

78 100

77 22.8 18.2 27.4

51 25.3 20.2 30.4





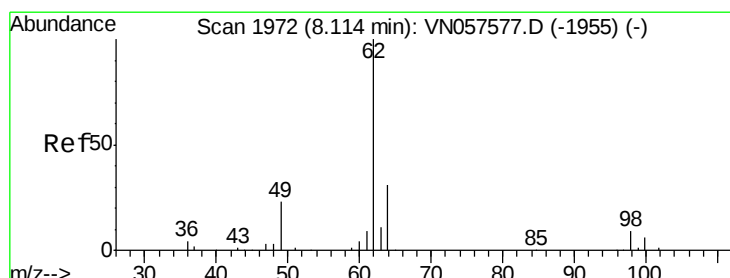
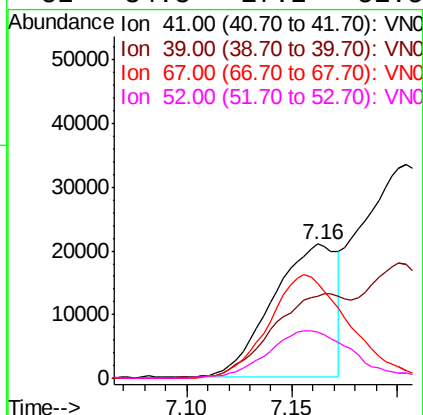
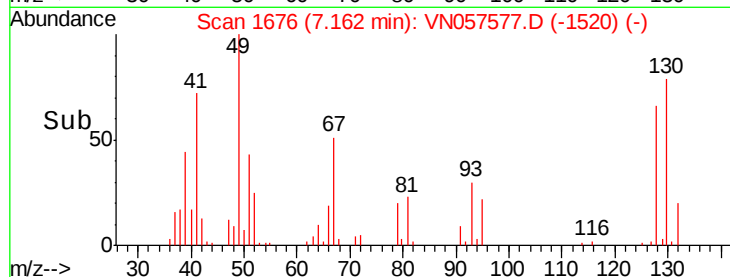
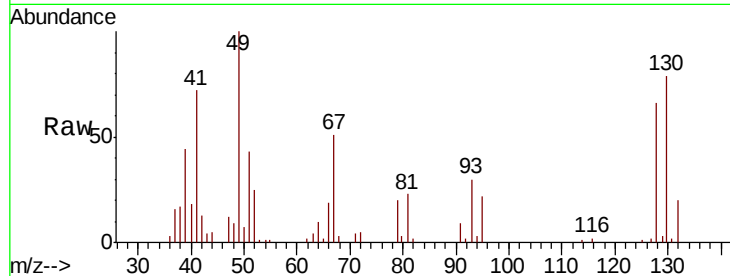
#35
Methacrylonitrile
Concen: 11.595 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tgt Ion:	41	Resp:	44421
Ion	Ratio	Lower	Upper
41	100		
39	60.8	30.4	91.2
67	71.2	35.6	106.8
52	34.3	17.2	51.5

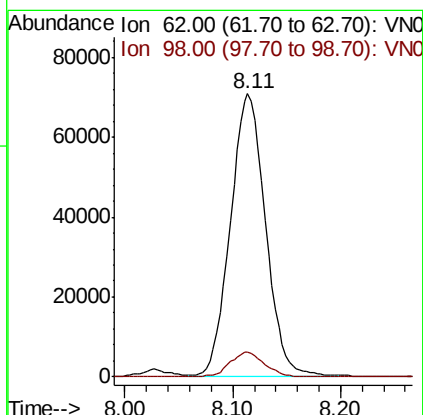
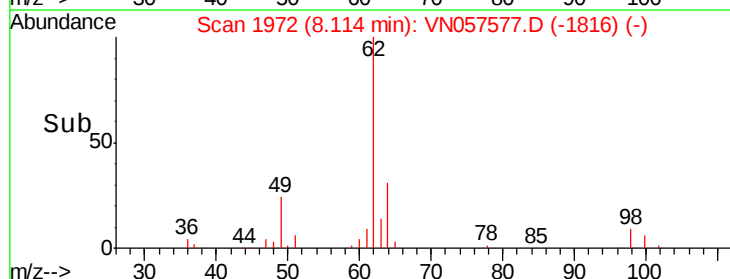
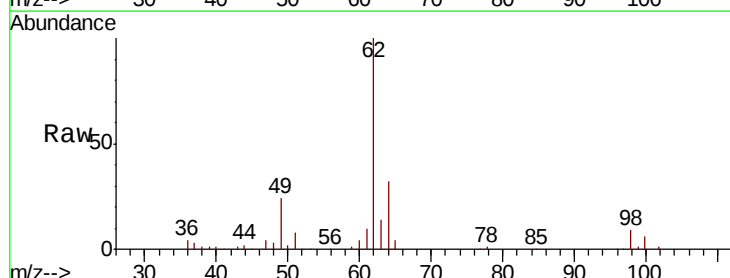
Manual Integrations
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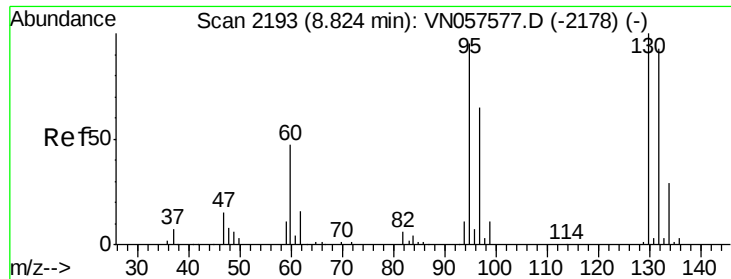
MMDadoda
8/31/2019 10:00:23 AM



#36
1,2-Dichloroethane
Concen: 16.526 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion:	62	Resp:	161389
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.8	10.2





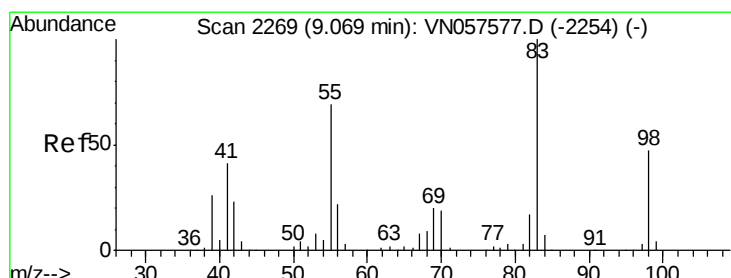
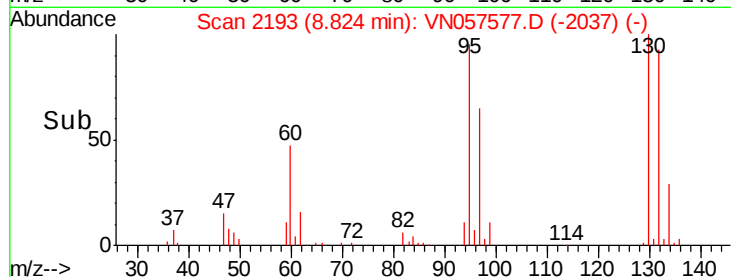
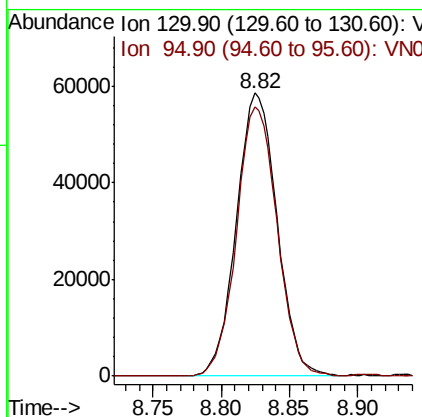
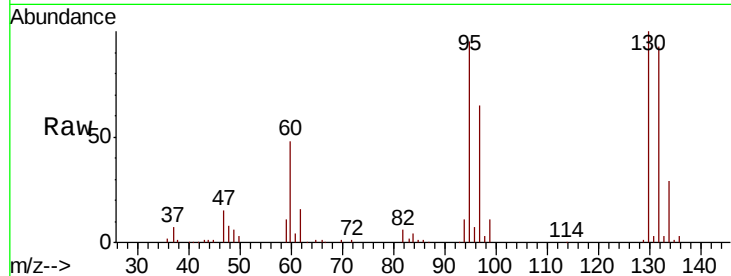
#37
 Trichloroethene
 Concen: 20.445 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	121210		
95	95.2	76.2	114.2	

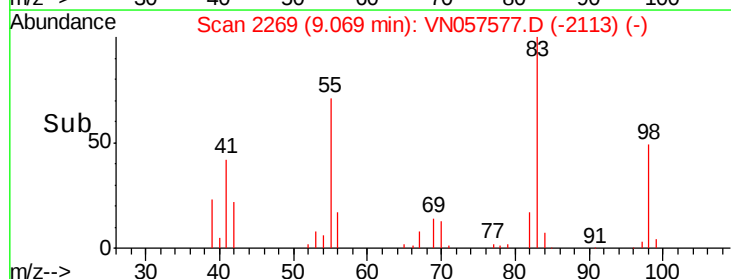
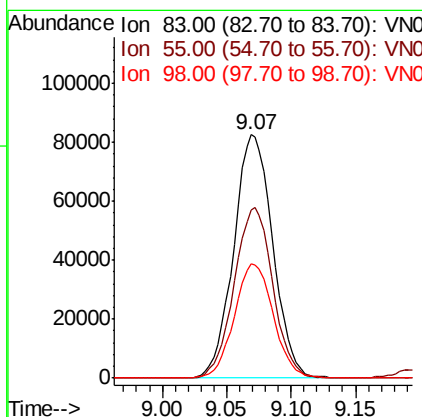
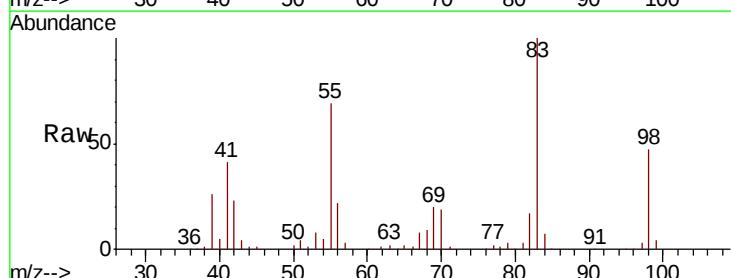
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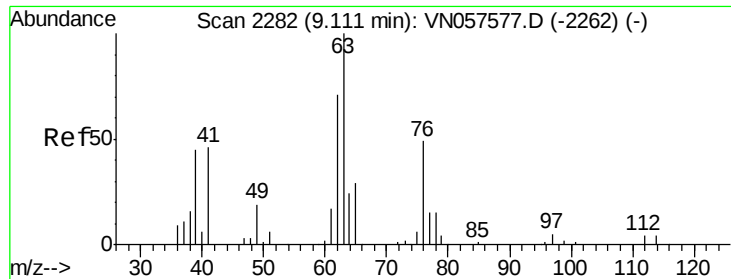
MMDadoda
 8/31/2019 10:00:23 AM



#38
 Methylcyclohexane
 Concen: 17.972 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	174120		
55	69.1	34.5	103.6	
98	46.9	23.4	70.3	





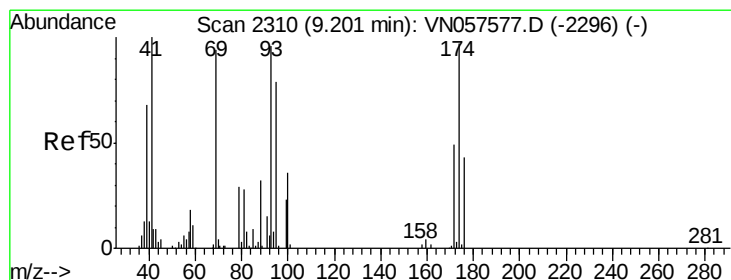
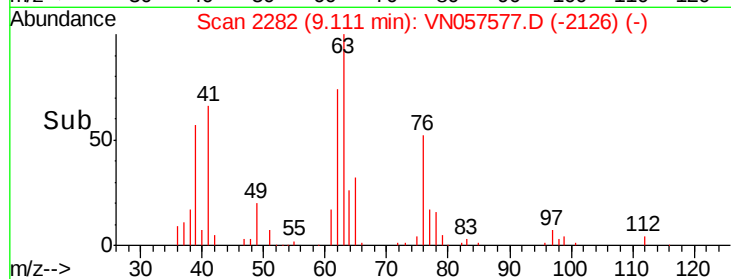
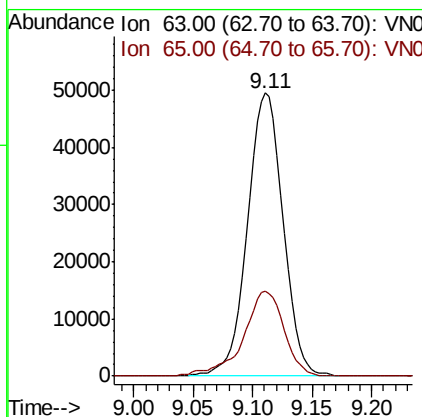
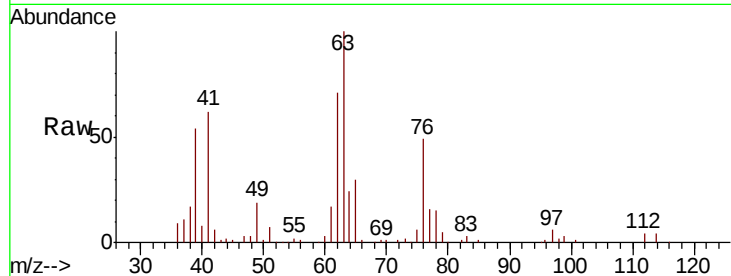
#39
 1,2-Dichloropropane
 Concen: 14.879 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion: 63 Resp: 102944
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.2

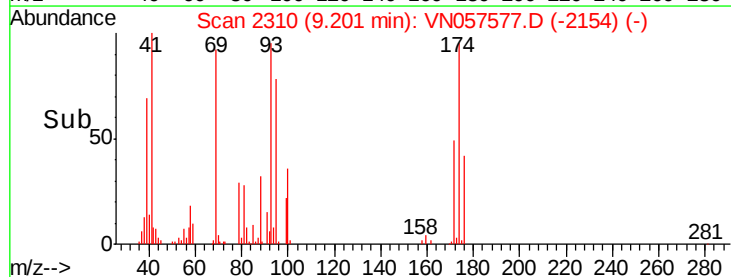
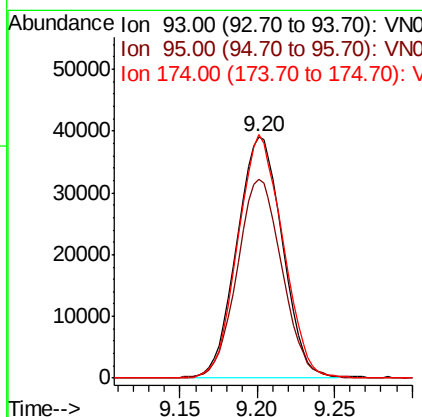
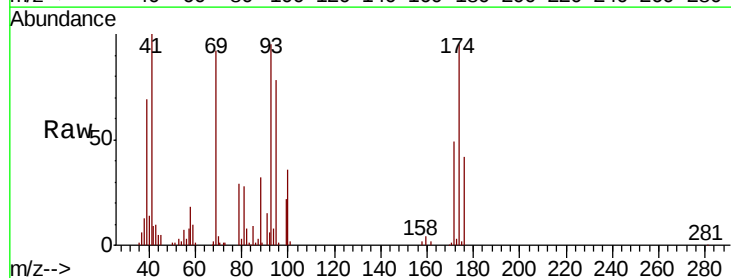
Manual Integrations
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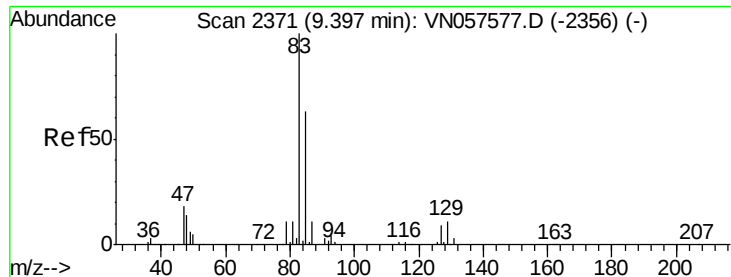
MMDadoda
 8/31/2019 10:00:23 AM



#40
 Dibromomethane
 Concen: 18.148 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion: 93 Resp: 79984
 Ion Ratio Lower Upper
 93 100
 95 81.4 0.0 162.8
 174 99.6 0.0 199.2





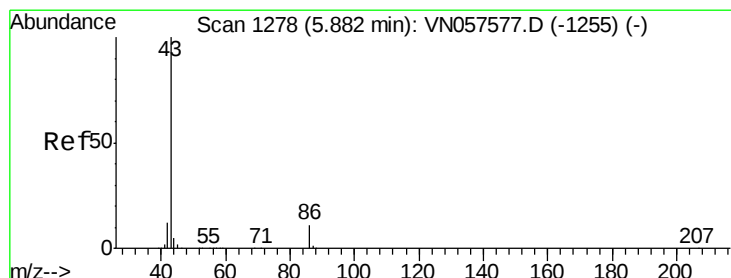
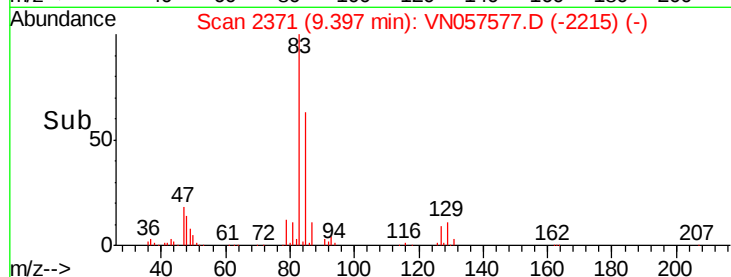
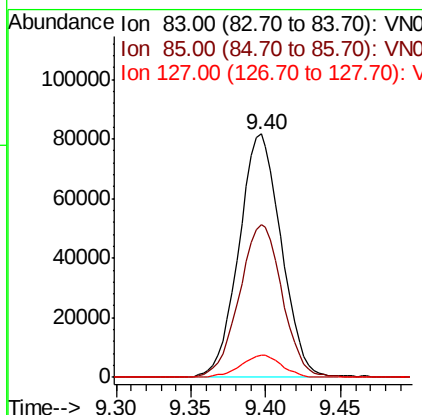
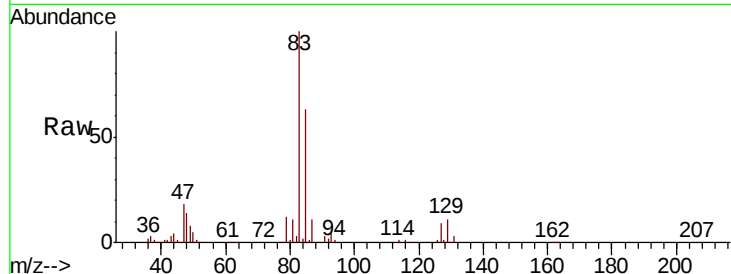
#41
 Bromodichloromethane
 Concen: 17.284 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5
127	9.3	7.4	11.2

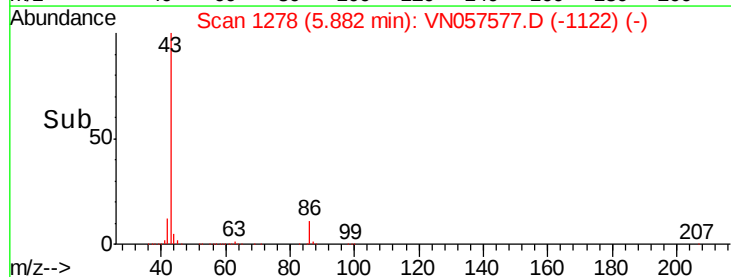
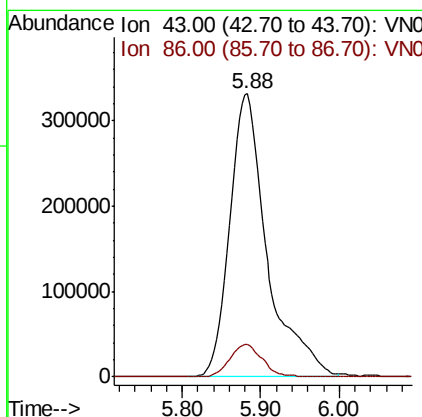
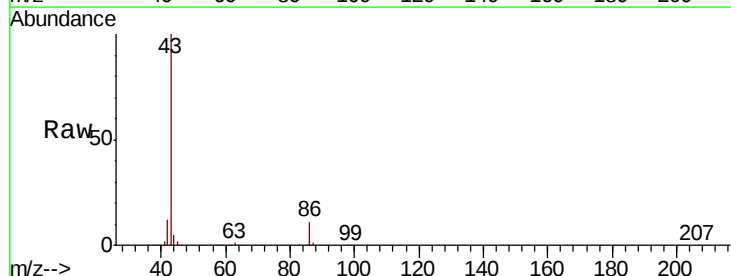
Manual Integrations
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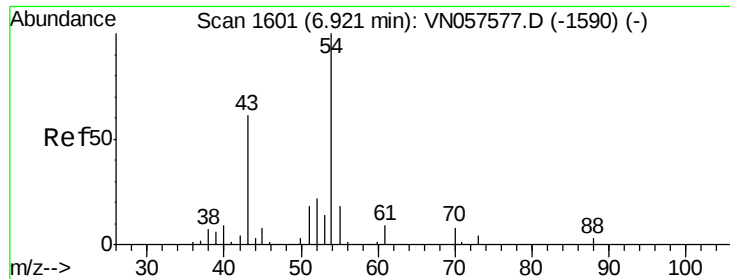
MMDadoda
 8/31/2019 10:00:23 AM



#42
 Vinyl Acetate
 Concen: 63.042 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1





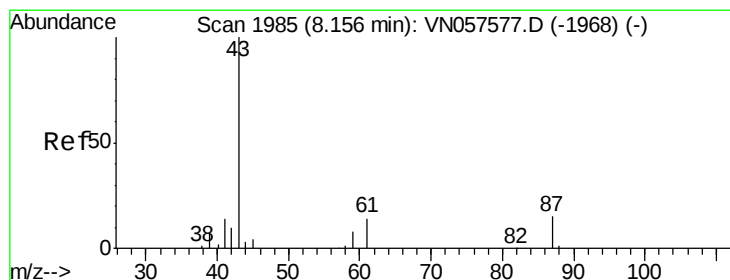
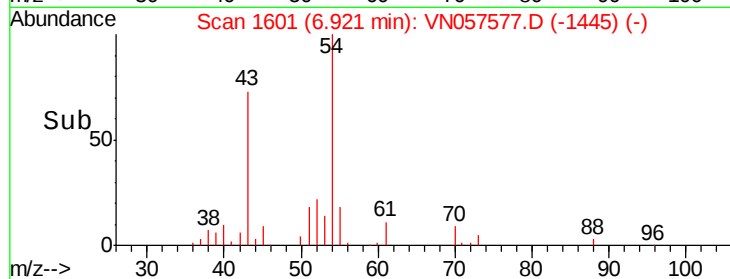
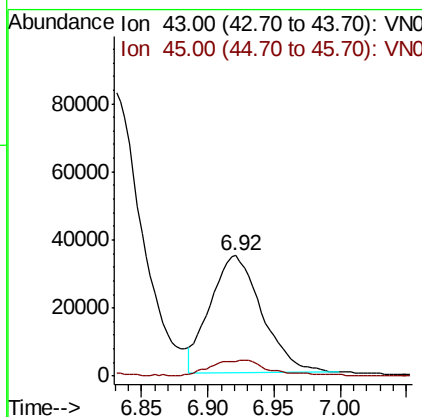
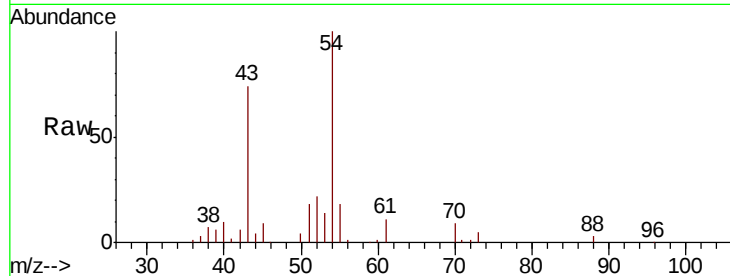
#43
Ethyl Acetate
Concen: 12.335 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 92793
Ion Ratio Lower Upper
43 100
45 12.4 9.9 14.9

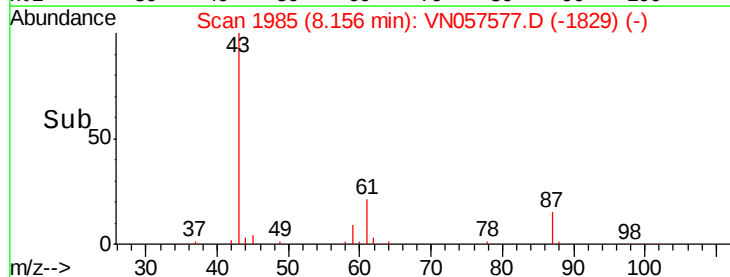
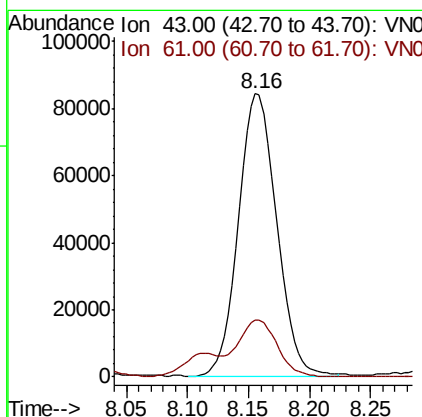
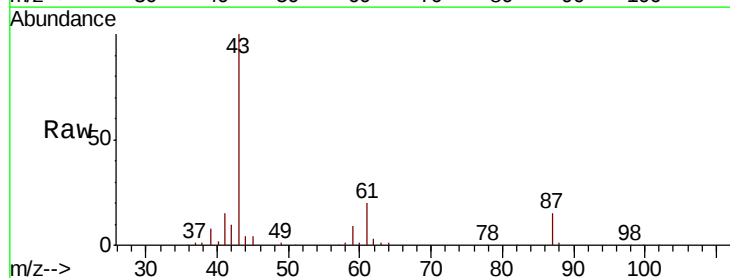
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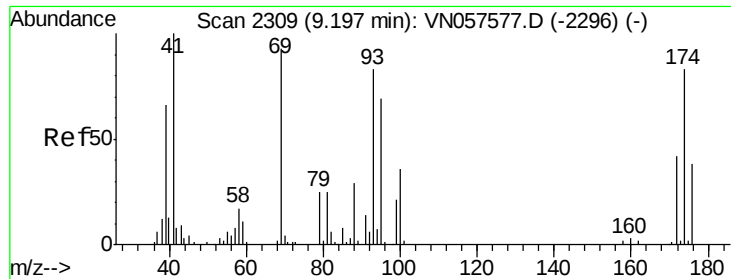
MMDadoda
8/31/2019 10:00:23 AM



#44
Isopropyl Acetate
Concen: 12.636 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion: 43 Resp: 182306
Ion Ratio Lower Upper
43 100
61 20.0 16.0 24.0





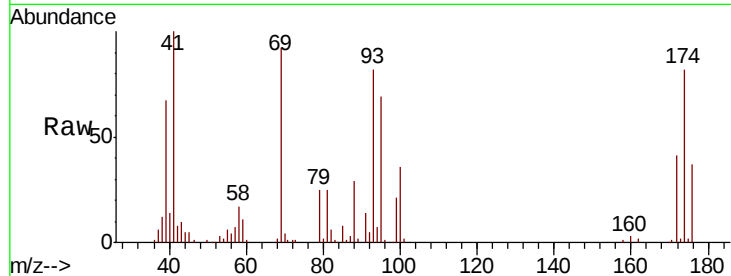
#45
 1,4-Dioxane
 Concen: 334.819 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	22.8	18.2	27.4
58	56.3	45.0	67.6

Manual Integrations
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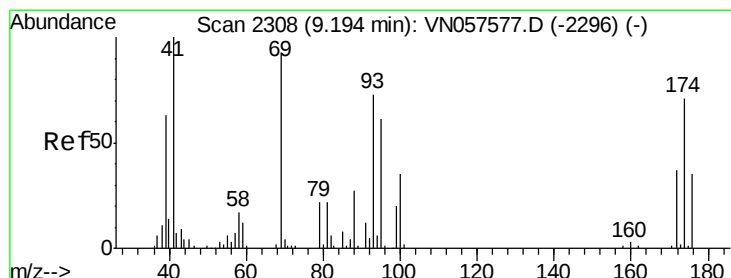
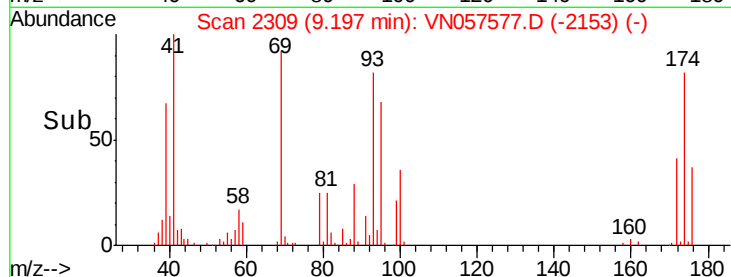
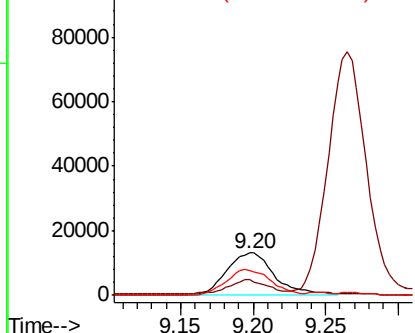


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 12.604 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

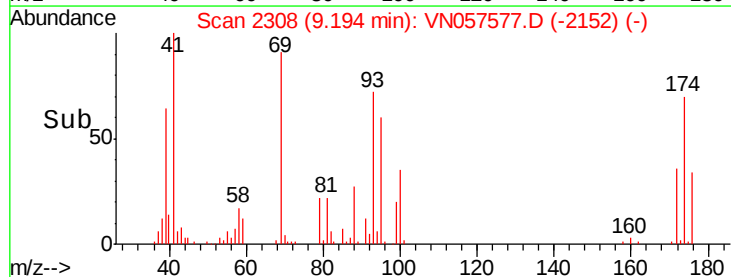
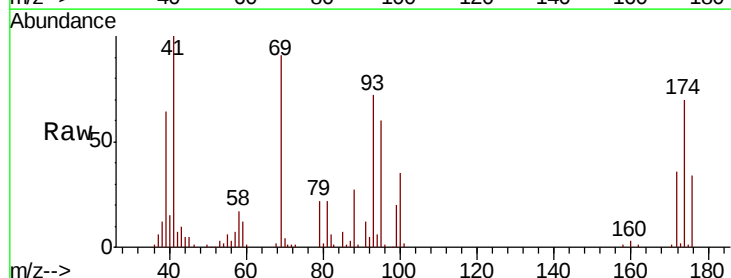
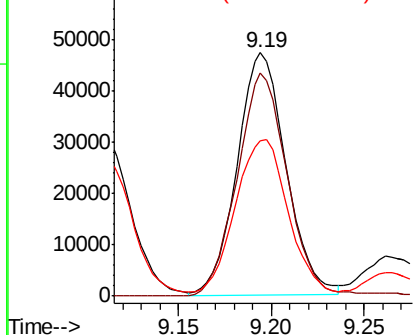
Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.7	46.4	139.1
39	63.2	31.6	94.8

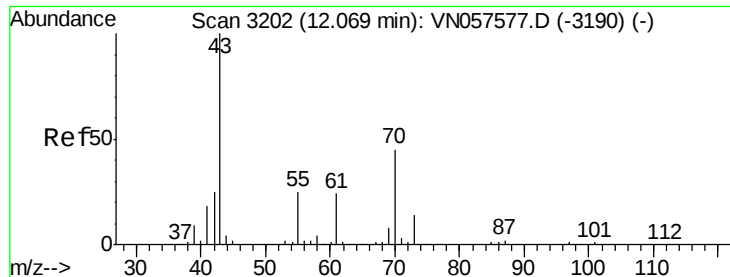
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





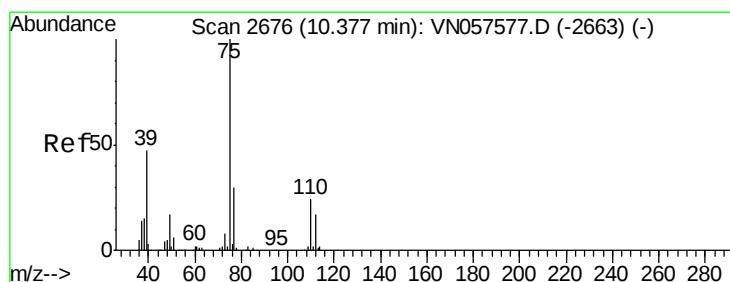
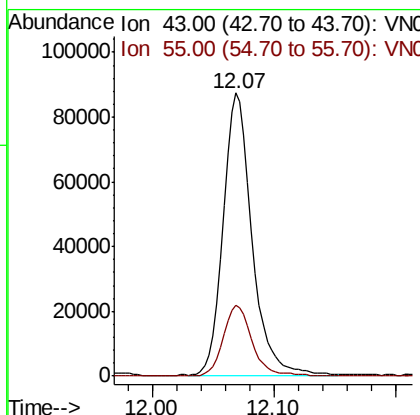
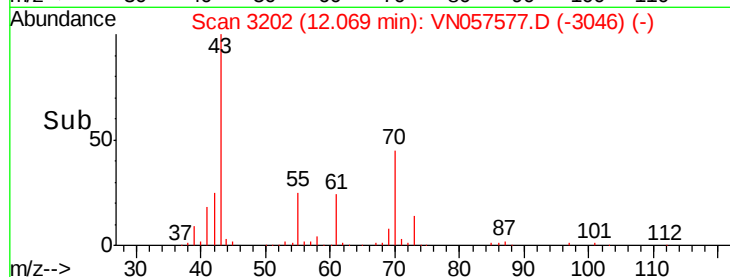
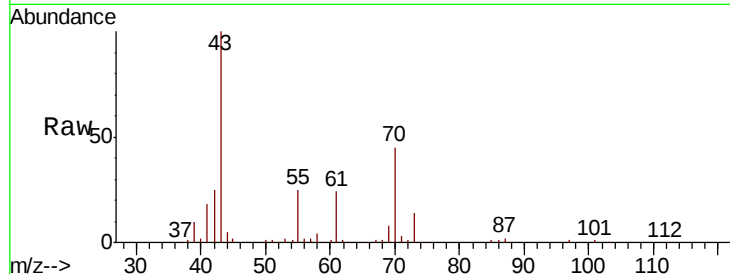
#47
n-amy1 Acetate
Concen: 12.266 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 144228
Ion Ratio Lower Upper
43 100
55 25.2 20.2 30.2

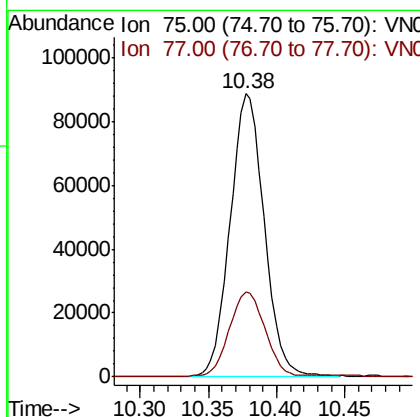
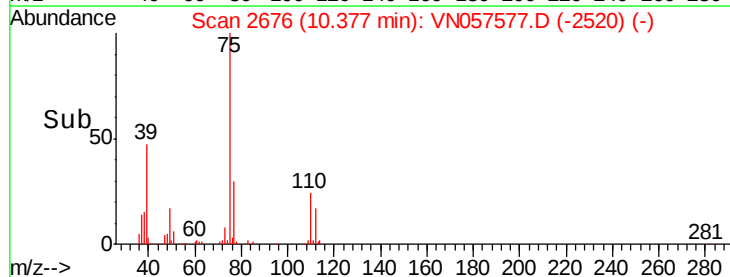
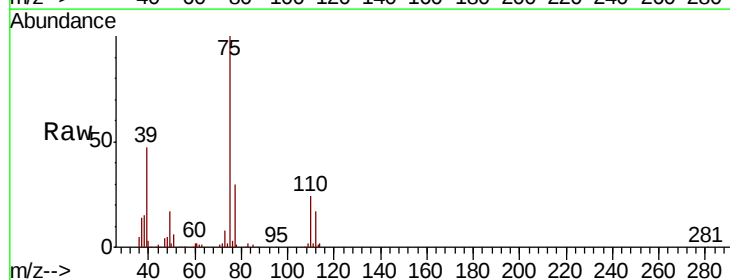
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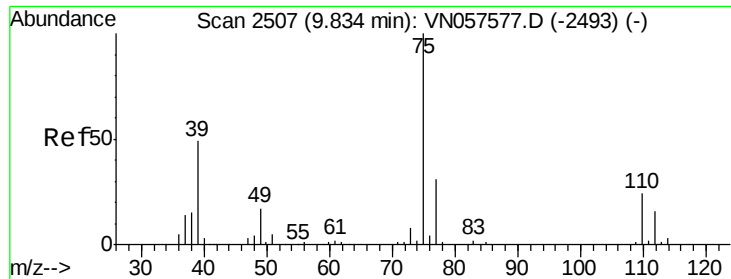
MMDadoda
8/31/2019 10:00:23 AM



#48
t-1,3-Dichloropropene
Concen: 15.881 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion: 75 Resp: 154300
Ion Ratio Lower Upper
75 100
77 29.7 23.8 35.6





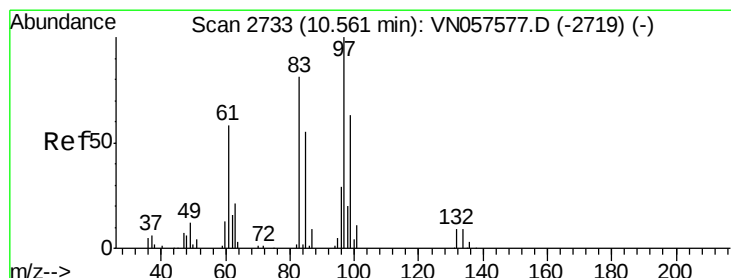
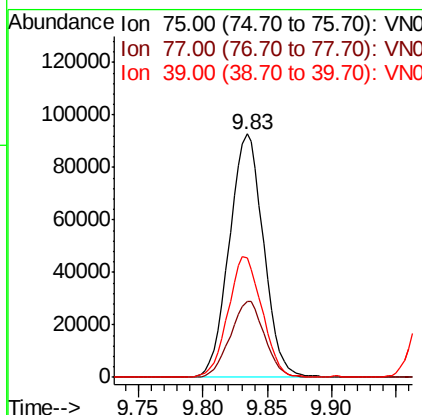
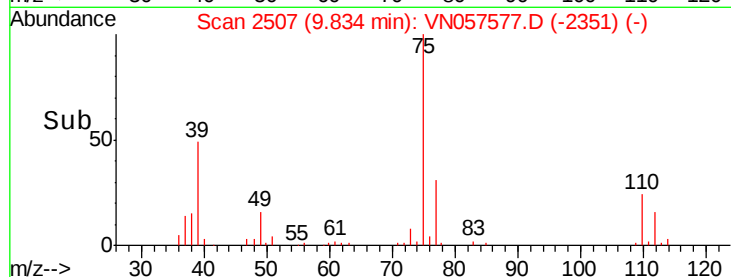
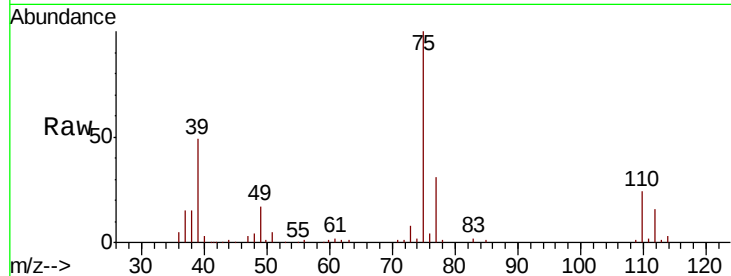
#49
 cis-1,3-Dichloropropene
 Concen: 16.087 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	48.7	39.0	58.4

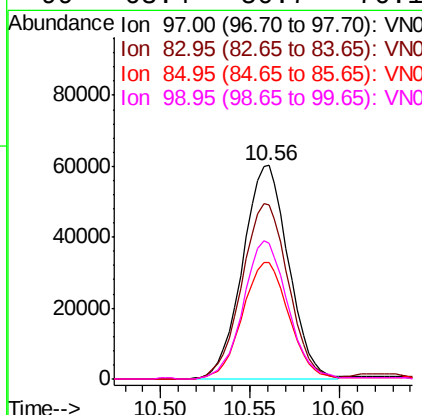
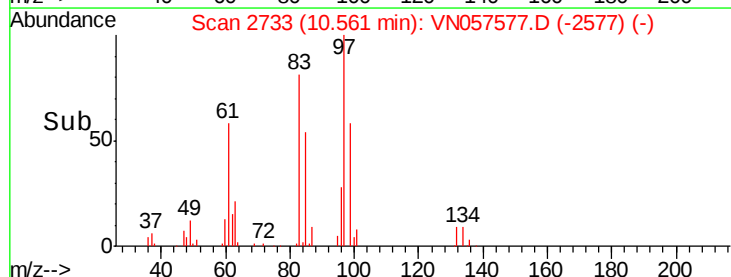
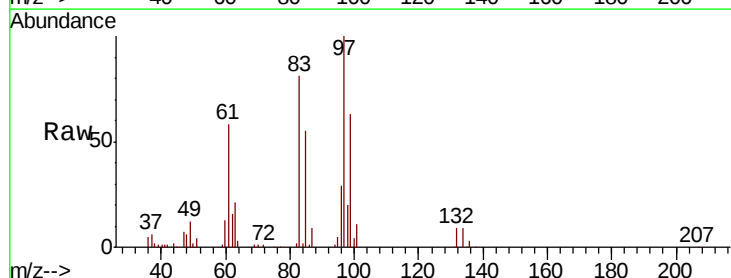
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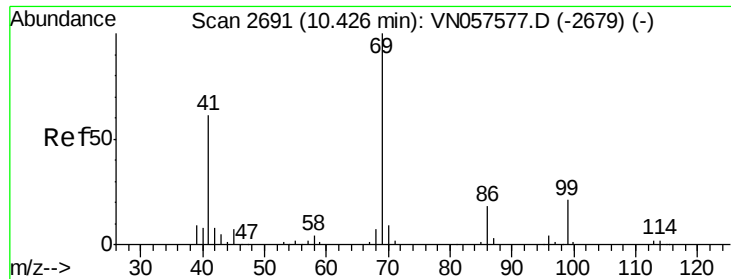
MMDadoda
 8/31/2019 10:00:23 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.652 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.4	65.1	97.7
85	54.6	43.7	65.5
99	63.4	50.7	76.1





#51

Ethyl methacrylate

Concen: 14.896 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tgt Ion: 69 Resp: 138815
Ion Ratio Lower Upper

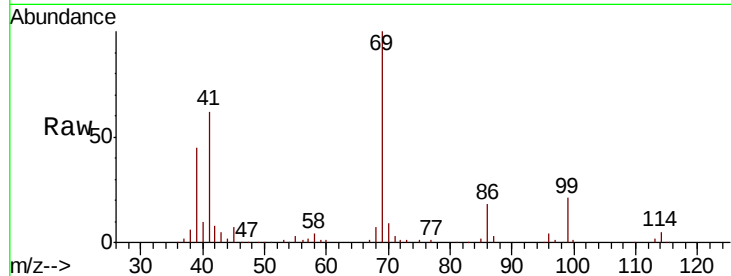
69 100

41 61.3 30.6 92.0

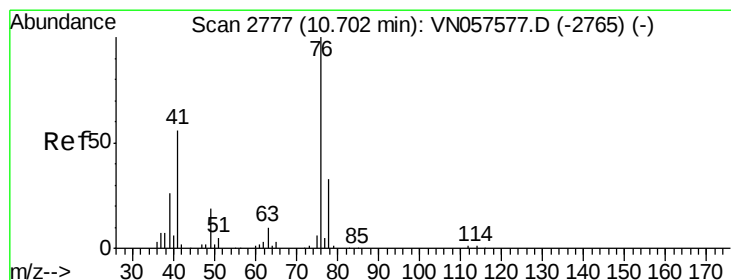
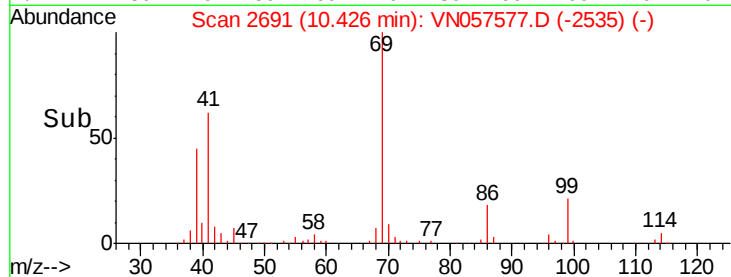
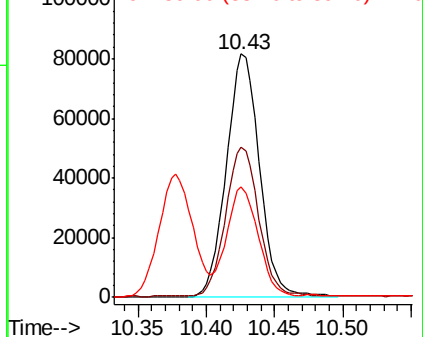
39 44.6 22.3 66.9

Manual Integrations
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MMDadoda
8/31/2019 10:00:23 AM



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 16.884 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

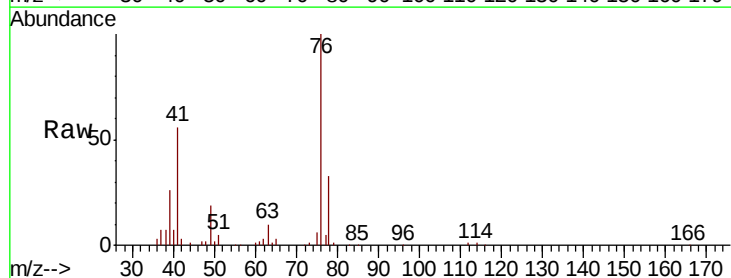
Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

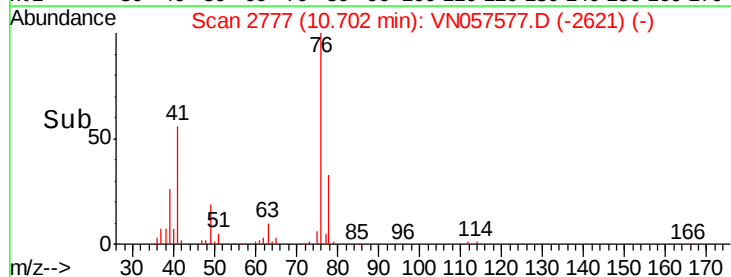
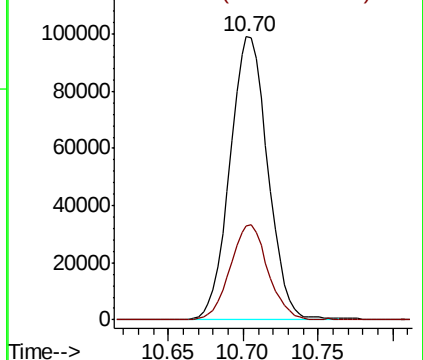
Tgt Ion: 76 Resp: 174856
Ion Ratio Lower Upper

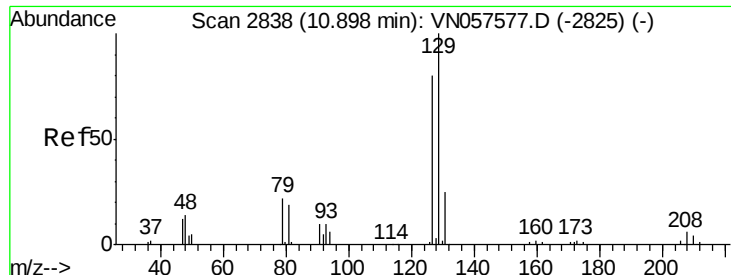
76 100

78 33.5 0.0 67.0



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





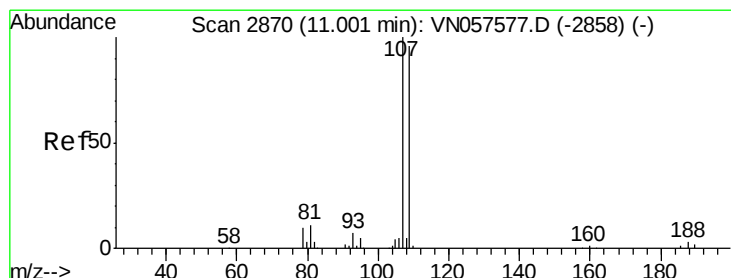
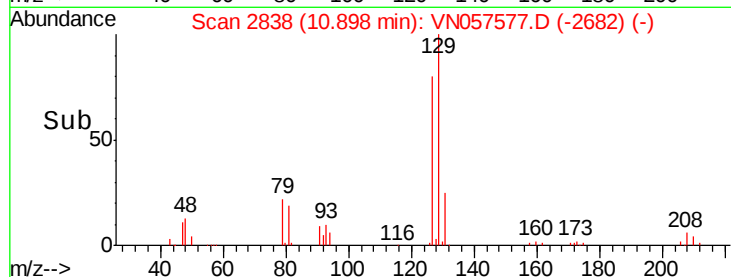
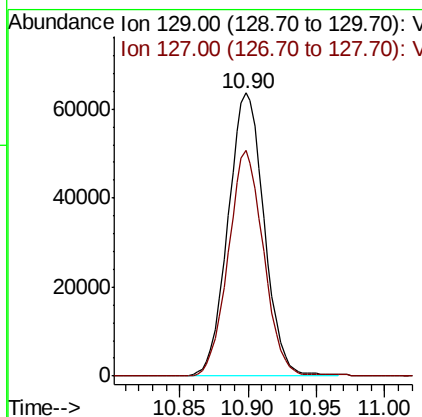
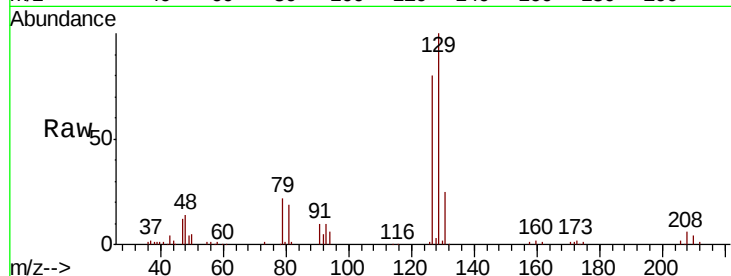
#53
 Dibromochloromethane
 Concen: 18.714 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	116655		
127	77.8	38.9	116.7	

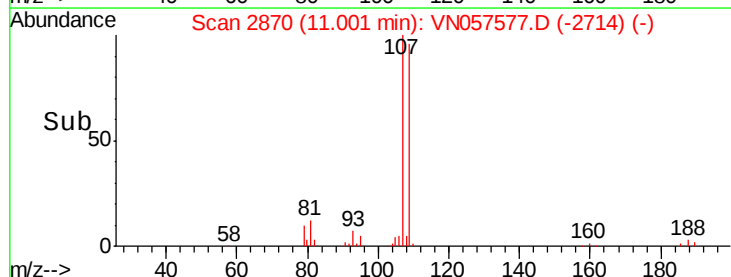
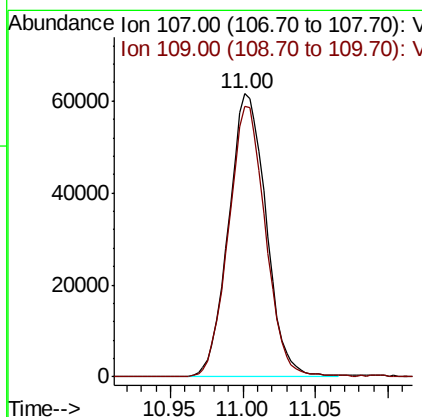
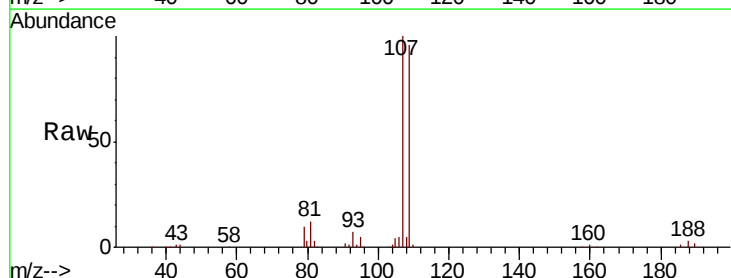
Manual Integrations
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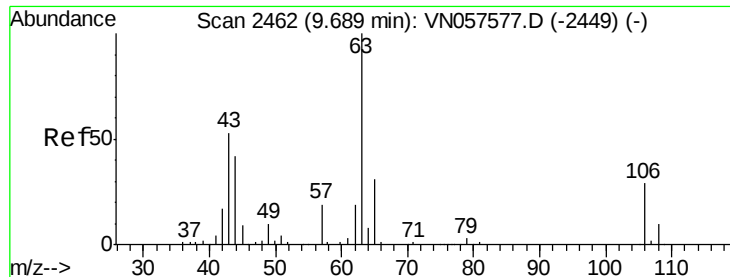
MMDadoda
 8/31/2019 10:00:23 AM



#54
 1,2-Dibromoethane
 Concen: 18.482 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	110621		
109	94.0	75.2	112.8	





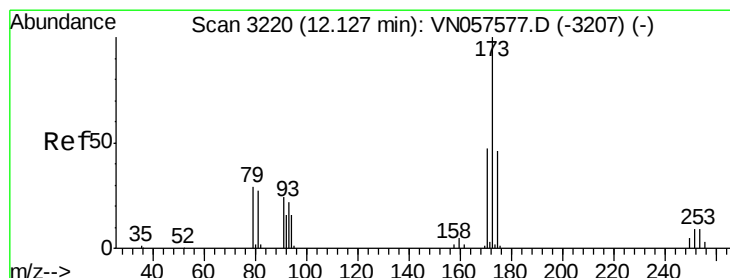
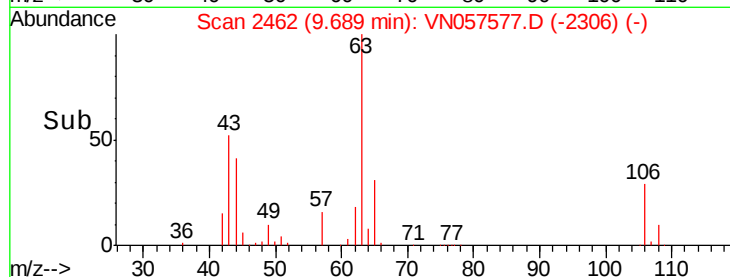
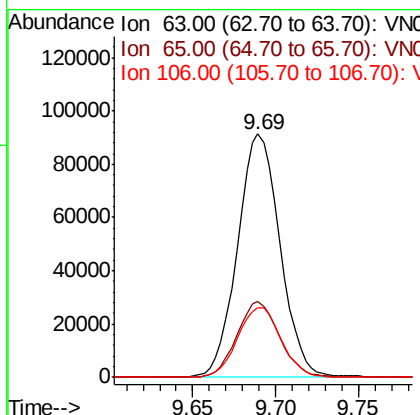
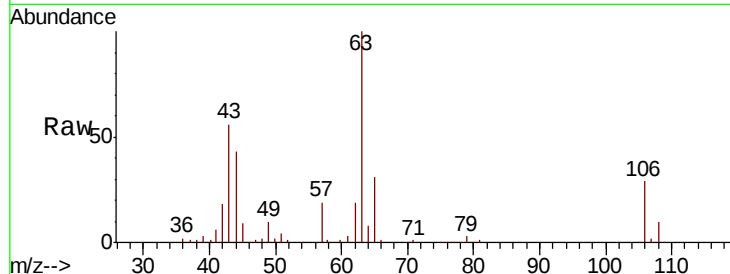
#55
2-Chloroethyl vinyl ether
Concen: 69.659 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.4
106	29.6	23.7	35.5

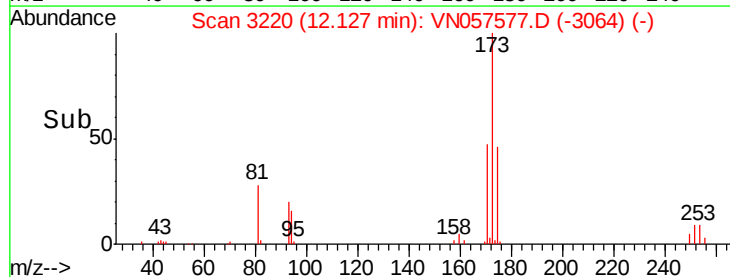
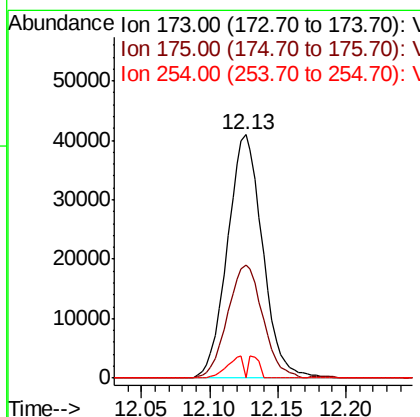
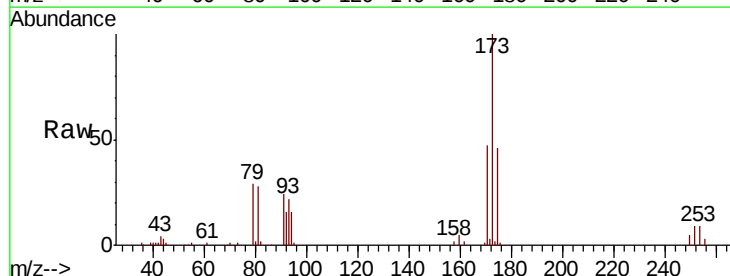
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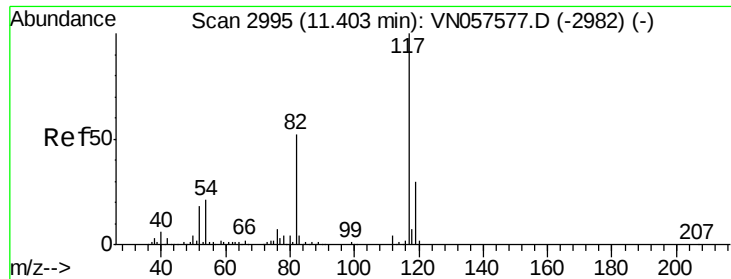
MMDadoda
8/31/2019 10:00:23 AM



#56
Bromoform
Concen: 19.277 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.6	37.3	55.9
254	2.7	2.2	3.2





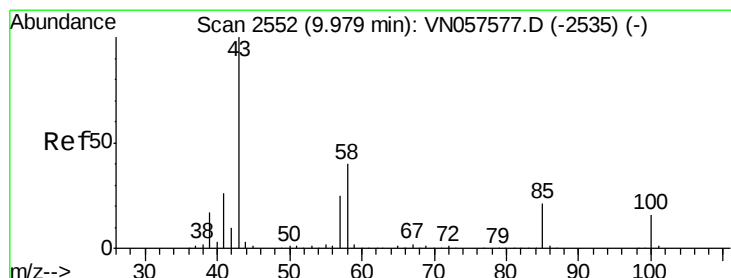
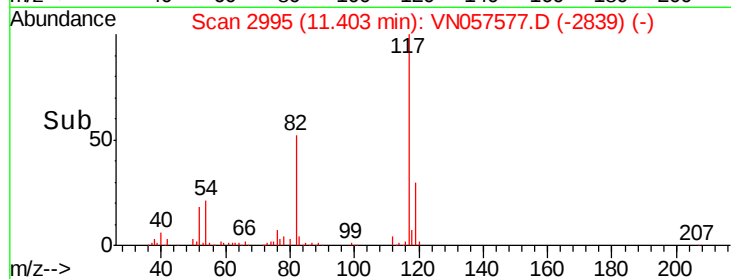
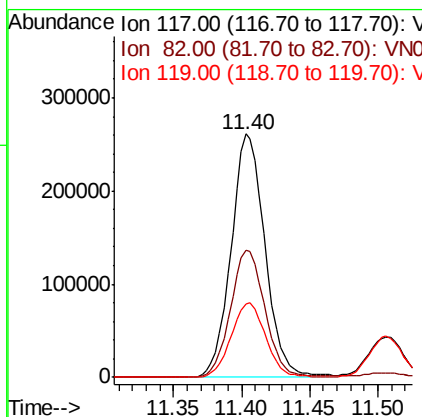
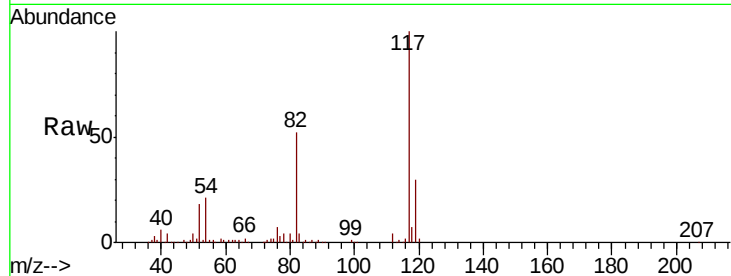
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	63.8
119	31.3	25.0	37.6

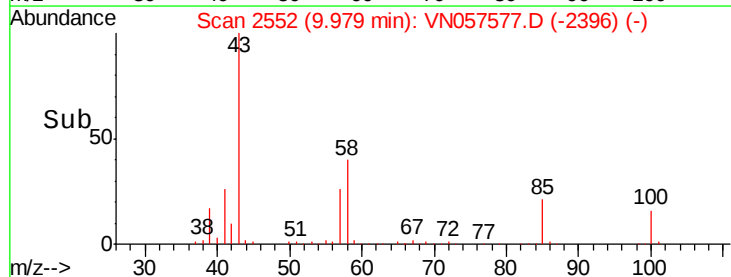
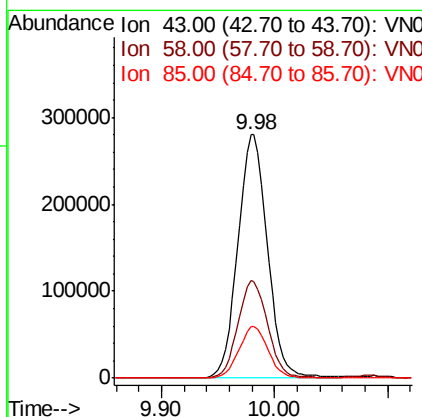
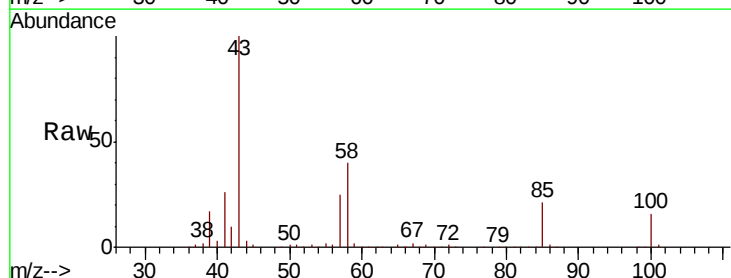
Manual Integrations
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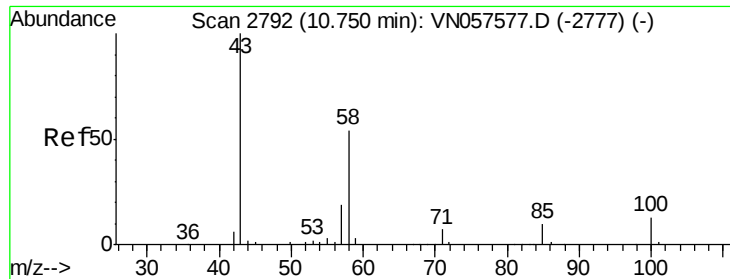
MMDadoda
8/31/2019 10:00:23 AM



#58
4-Methyl-2-Pentanone
Concen: 63.349 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	32.1	48.1
85	20.7	16.6	24.8





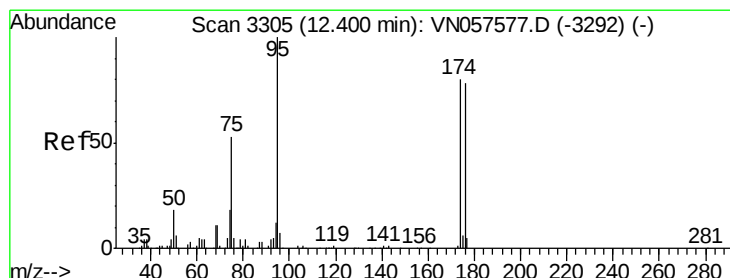
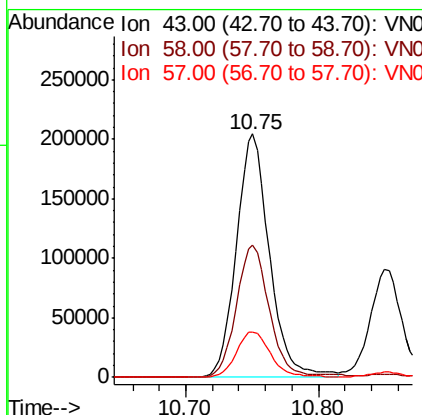
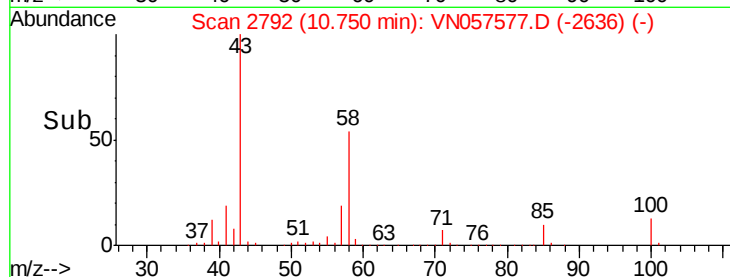
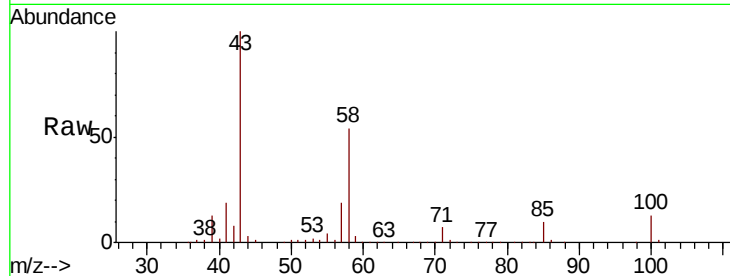
#59
2-Hexanone
Concen: 63.623 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.9	64.3
57	19.3	15.4	23.2

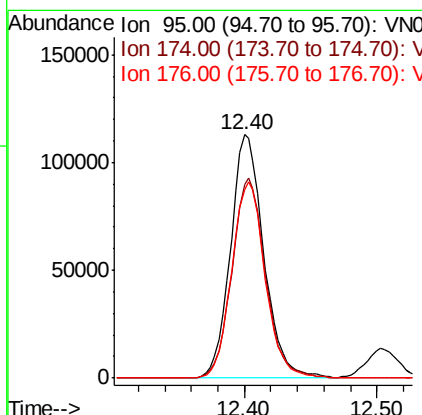
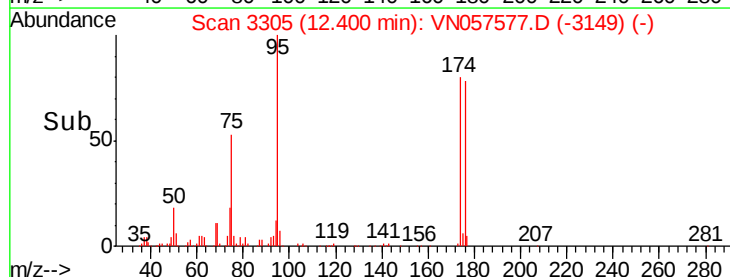
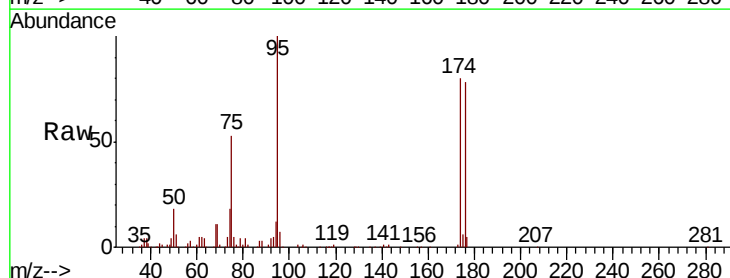
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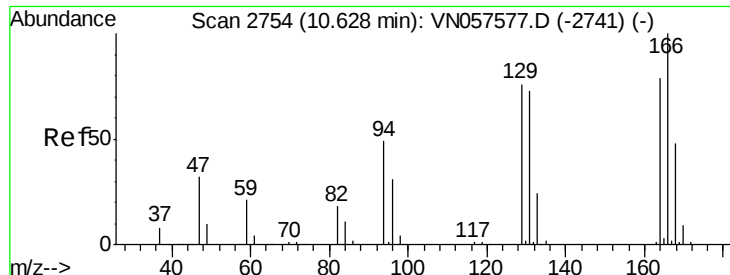
MMDadoda
8/31/2019 10:00:23 AM



#60
4-Bromofluorobenzene
Concen: 26.801 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	66.2	99.2
176	81.3	65.0	97.6





#61

Tetrachloroethene

Concen: 22.234 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 164 Resp: 117504

Ion Ratio Lower Upper

164 100

166 125.9 100.7 151.1

129 95.4 76.3 114.5

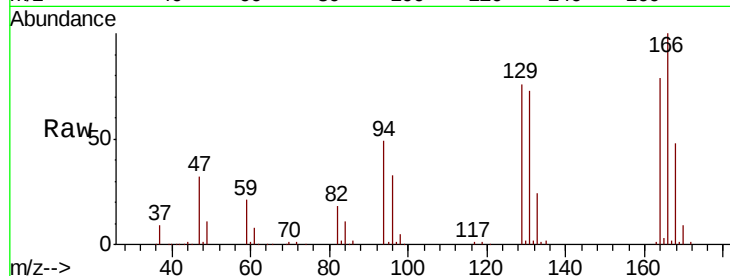
131 92.2 73.8 110.6

Manual Integrations

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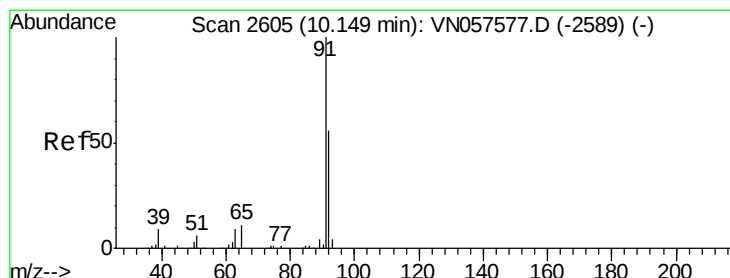
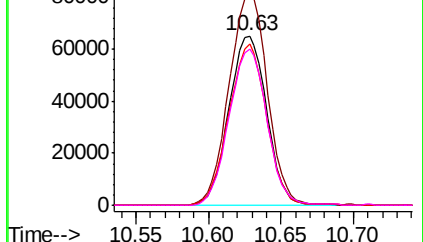
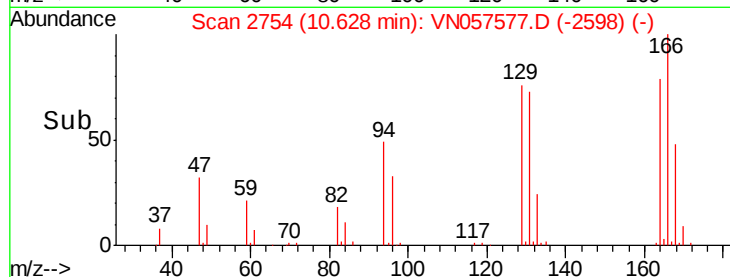


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.138 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057577.D

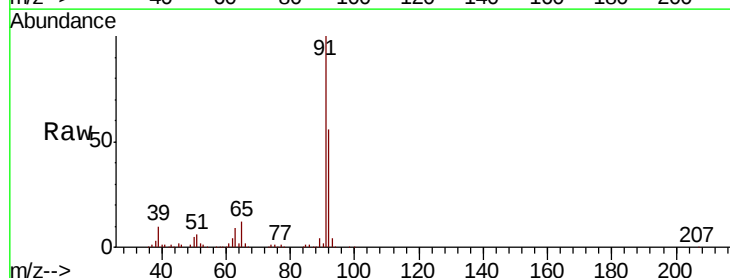
Acq: 30 Aug 2019 9:33

Tgt Ion: 91 Resp: 487463

Ion Ratio Lower Upper

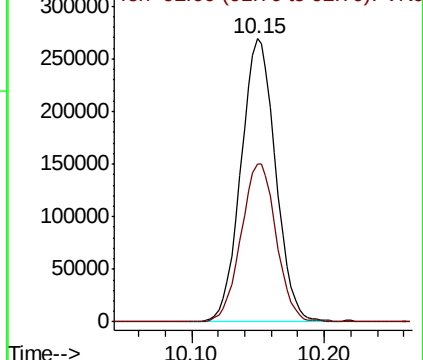
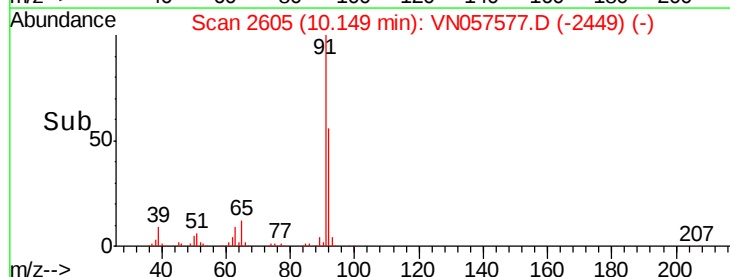
91 100

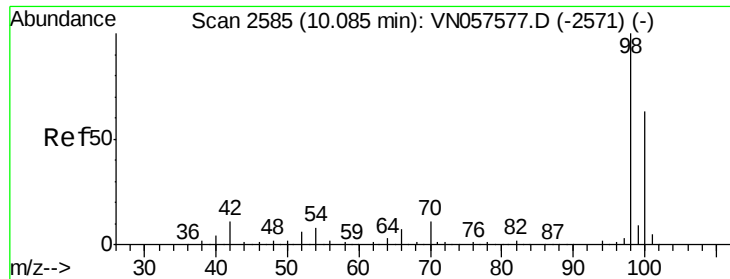
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





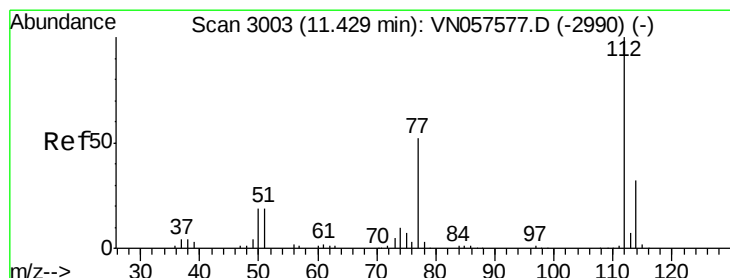
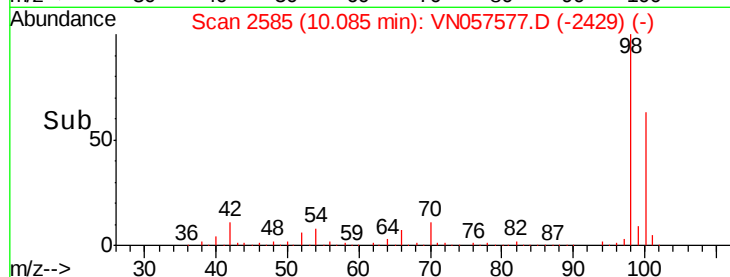
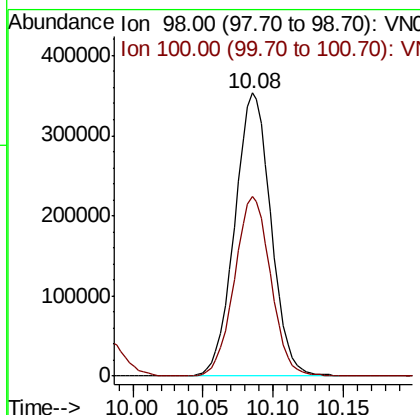
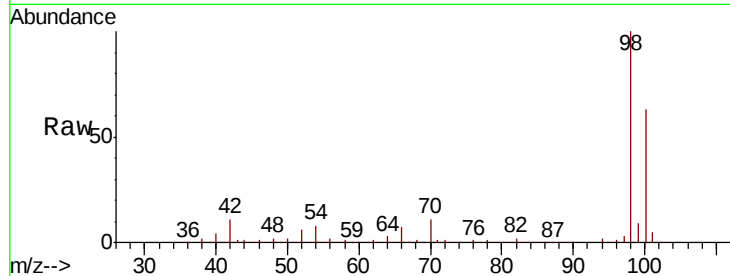
#63
Toluene-d8
Concen: 28.488 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 98 Resp: 636263
Ion Ratio Lower Upper
98 100
100 62.7 50.2 75.2

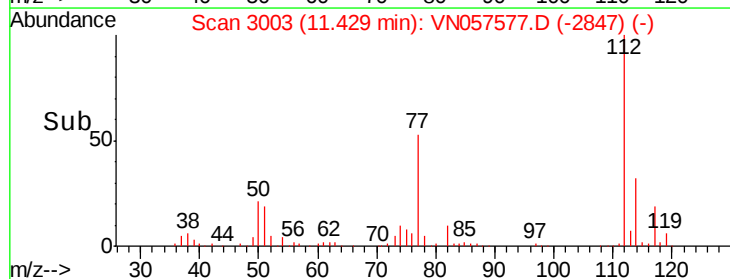
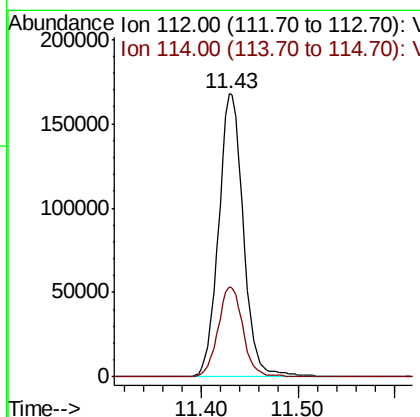
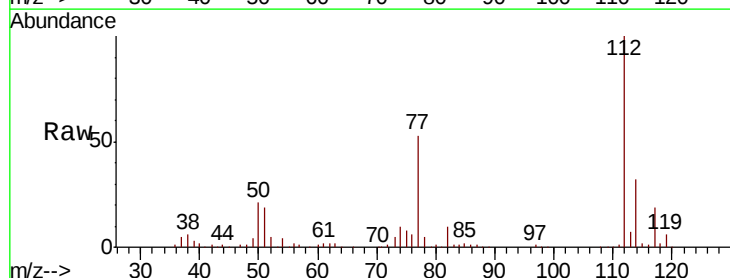
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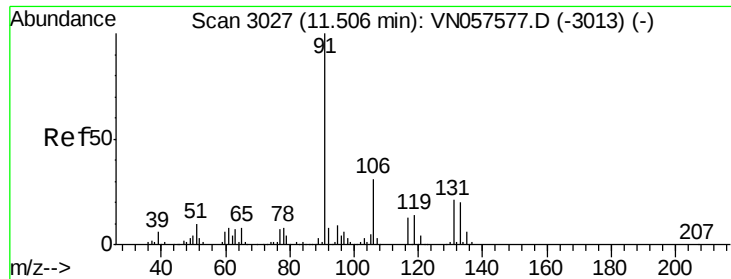
MMDadoda
8/31/2019 10:00:23 AM



#64
Chlorobenzene
Concen: 19.845 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion: 112 Resp: 297686
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.880 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

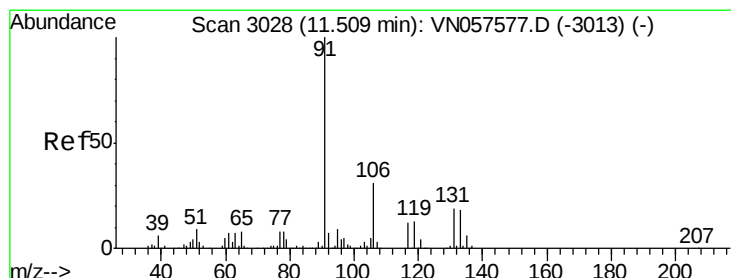
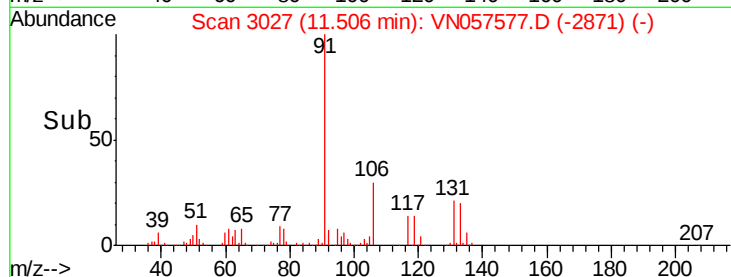
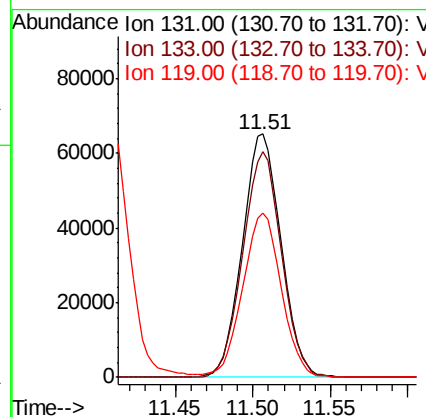
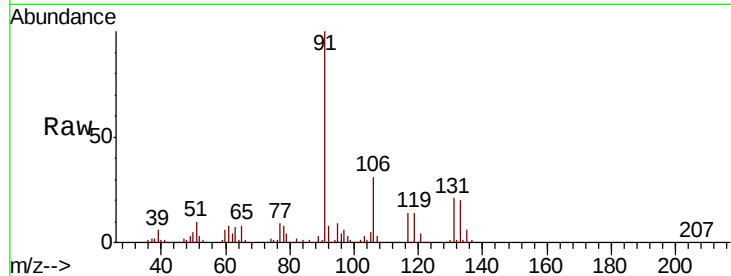
ClientSampleId :

VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	113306		
133	93.0	0.0	186.0	
119	67.3	0.0	134.6	

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#66

Ethyl Benzene

Concen: 18.334 ug/l

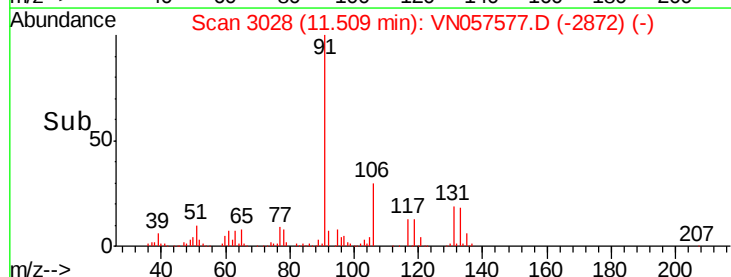
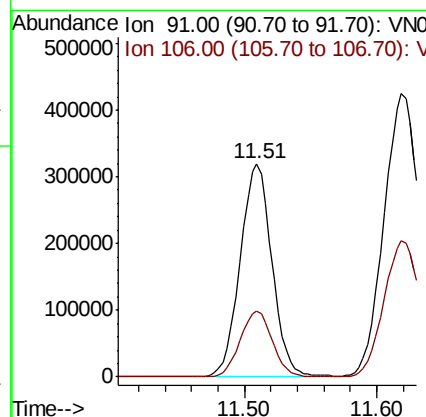
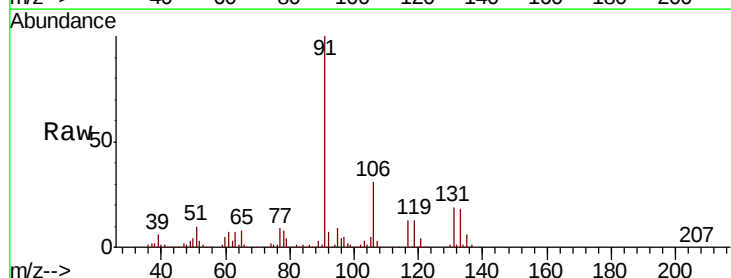
RT: 11.51 min Scan# 3028

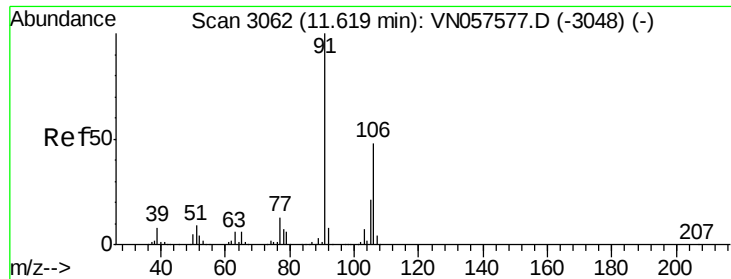
Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	531125		
106	30.9	24.7	37.1	





#67

m/p-Xylenes

Concen: 39.052 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:106 Resp: 398968

Ion Ratio Lower Upper

106 100

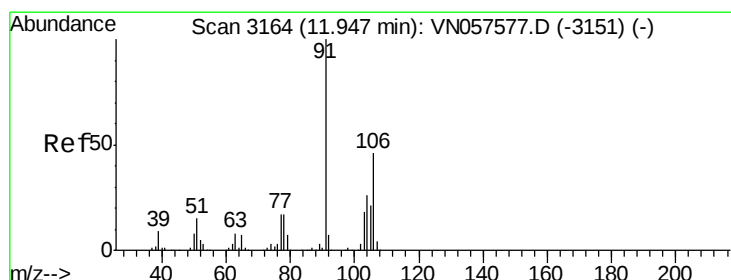
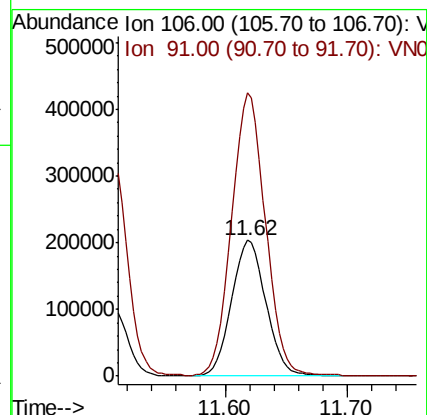
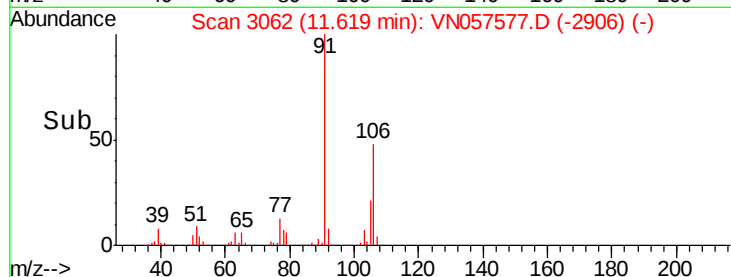
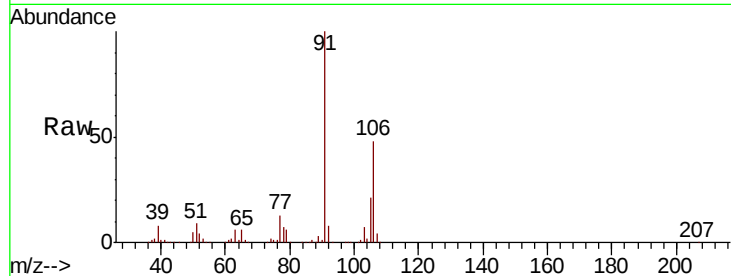
91 205.1 164.1 246.1

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#68

o-Xylene

Concen: 19.648 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057577.D

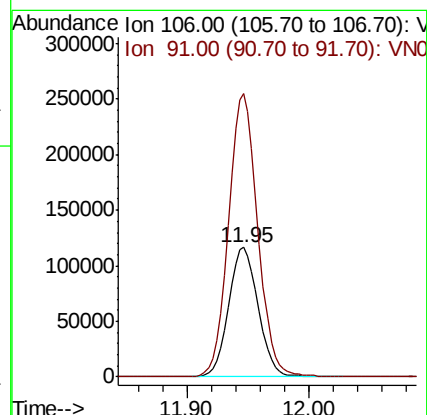
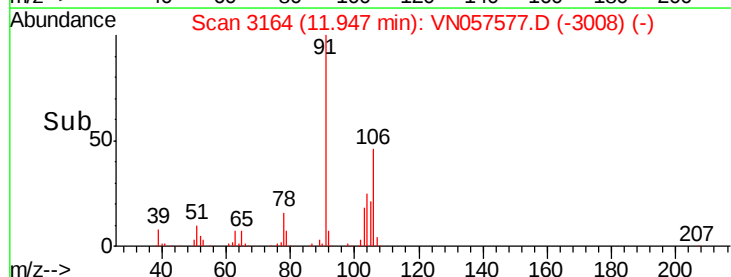
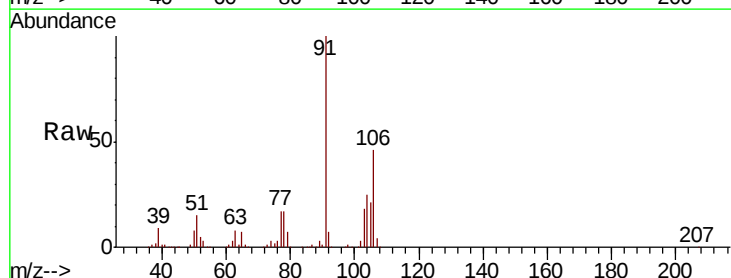
Acq: 30 Aug 2019 9:33

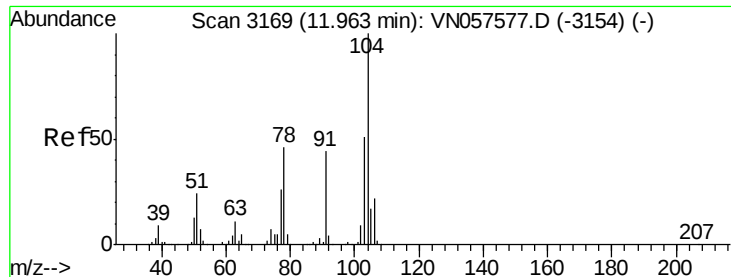
Tgt Ion:106 Resp: 197502

Ion Ratio Lower Upper

106 100

91 215.7 107.8 323.6





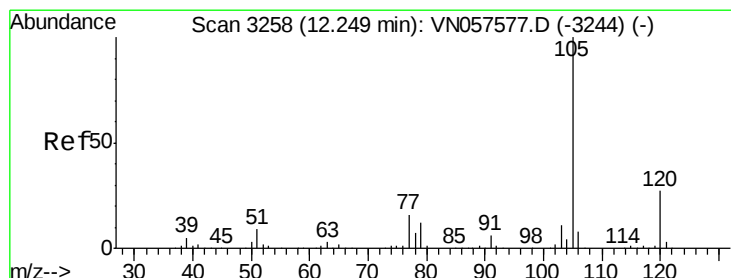
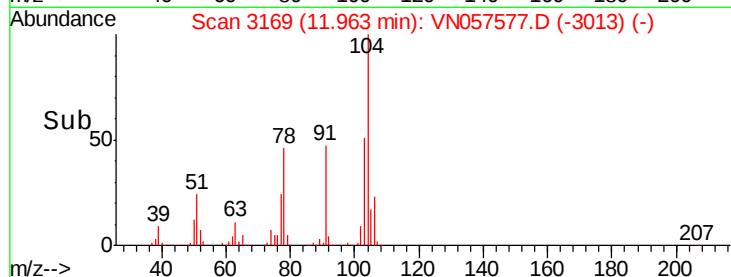
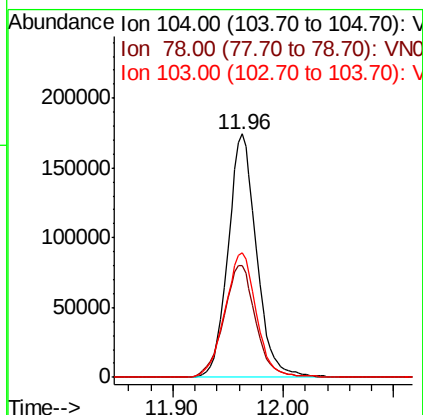
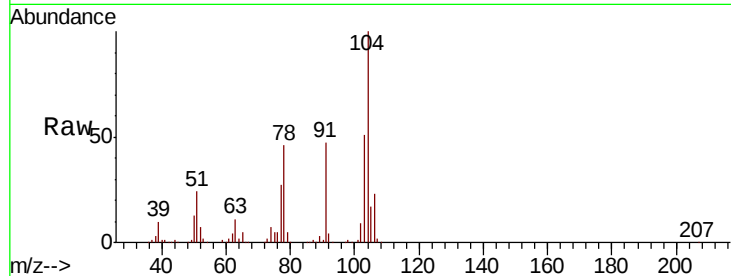
#69
Styrene
Concen: 19.217 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	311834		
78	51.7	41.4	62.0	
103	56.0	44.8	67.2	

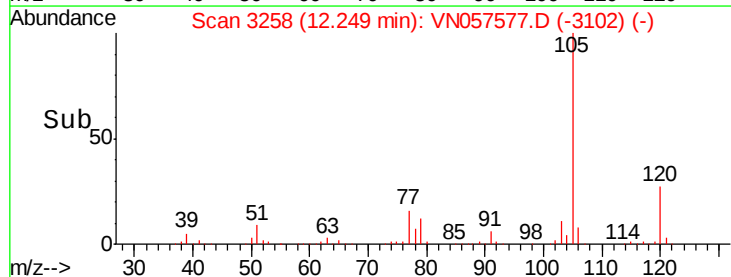
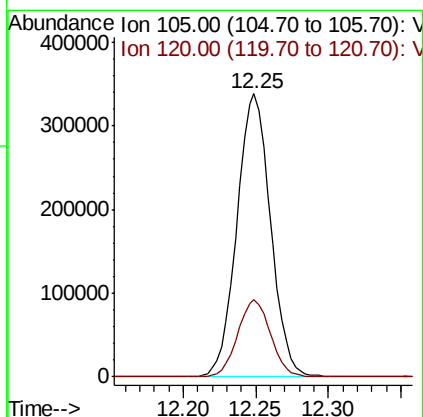
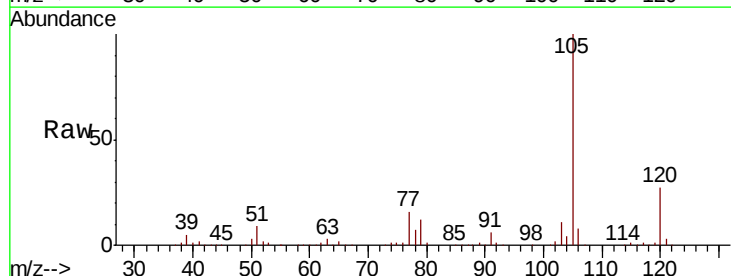
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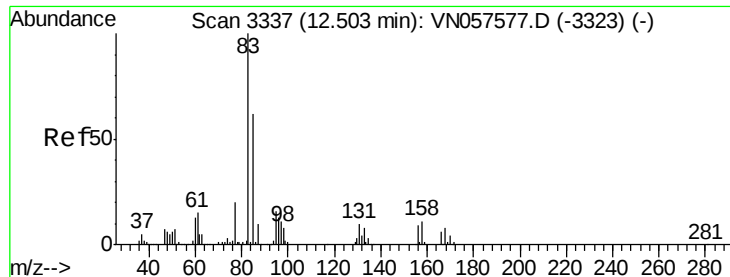
MMDadoda
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#70
Isopropylbenzene
Concen: 20.050 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	544903		
120	26.7	18.7	34.7	





#71

1,1,2,2-Tetrachloroethane

Concen: 17.443 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 132775
Ion Ratio Lower Upper

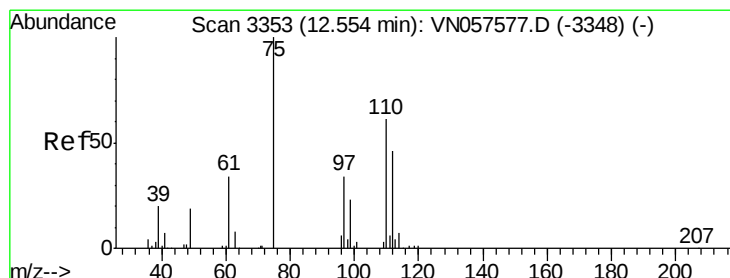
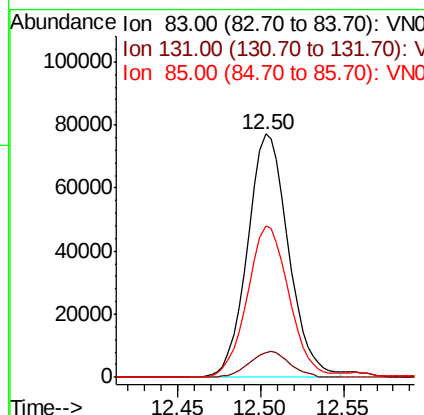
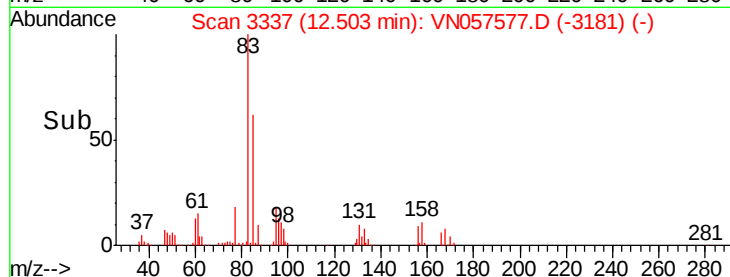
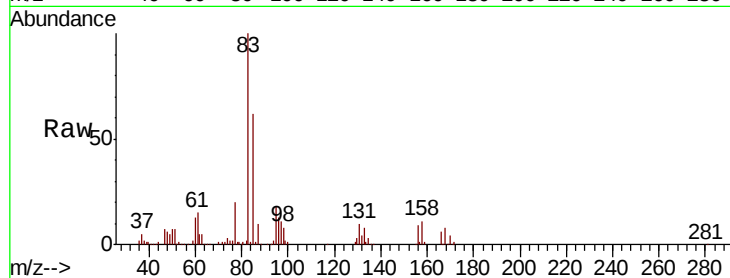
83 100

131 10.4 5.2 15.6

85 63.2 31.6 94.8

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8/31/2019 10:00:23 AM



#72

1,2,3-Trichloropropane

Concen: 16.512 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

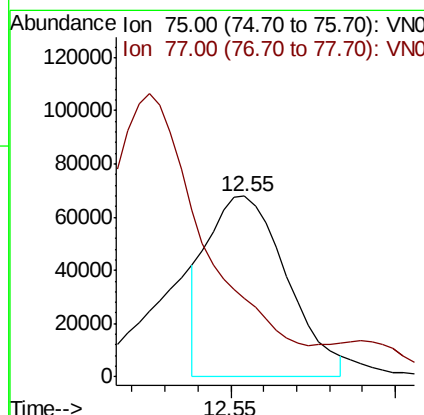
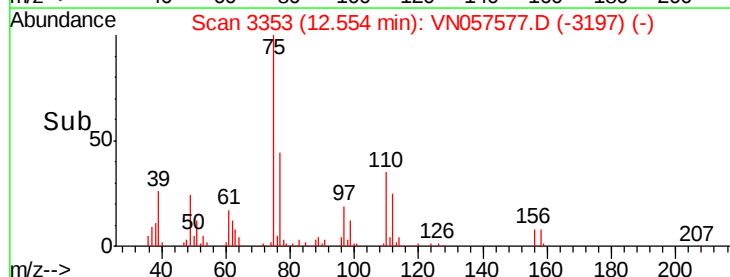
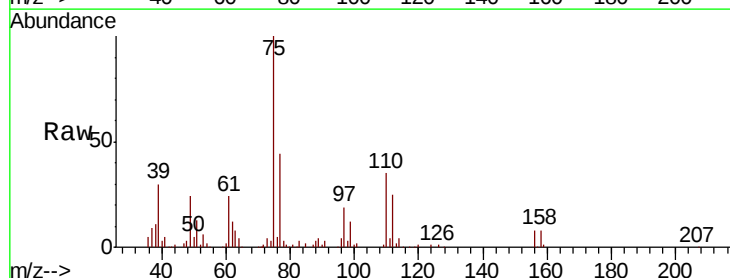
Lab File: VN057577.D

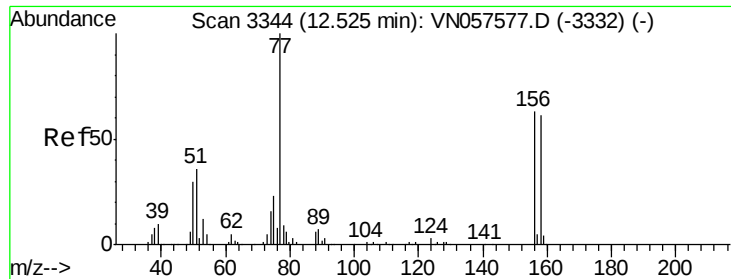
Acq: 30 Aug 2019 9:33

Tgt Ion: 75 Resp: 113128
Ion Ratio Lower Upper

75 100

77 199.6 0.0 399.2





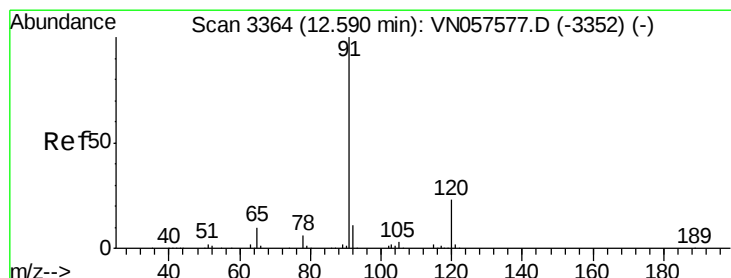
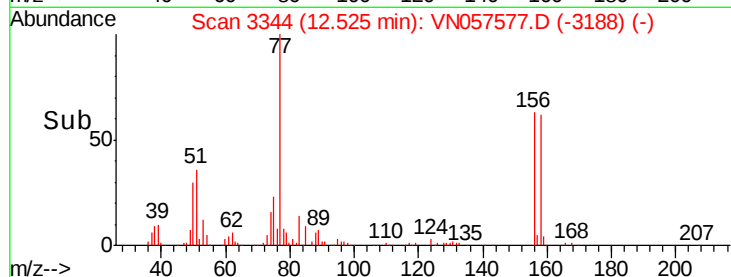
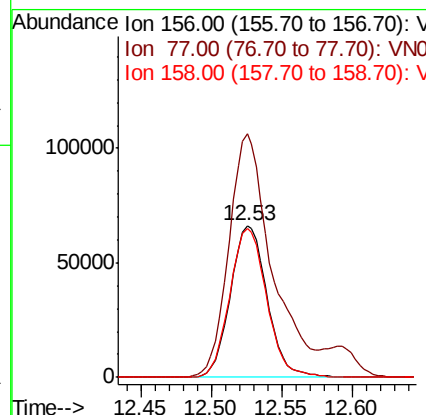
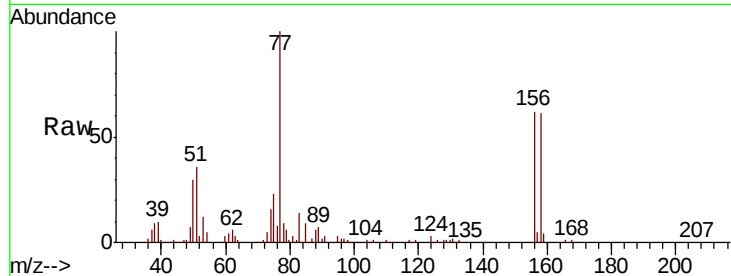
#73
Bromobenzene
Concen: 21.381 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	120565		
77	187.3	0.0	374.6	
158	98.7	0.0	197.4	

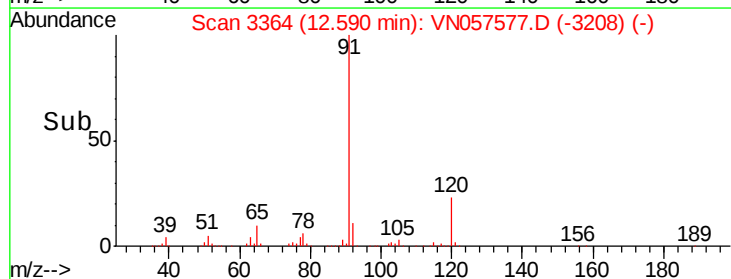
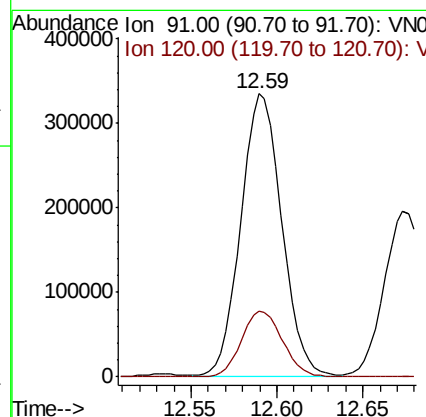
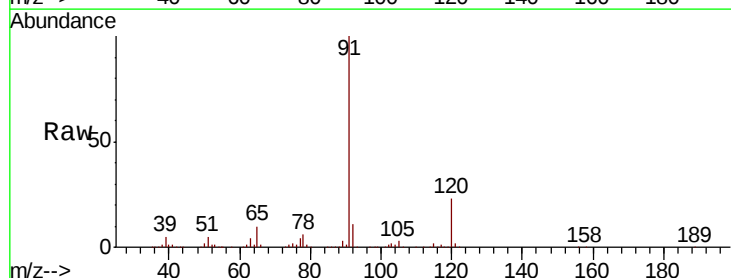
Manual Integrations
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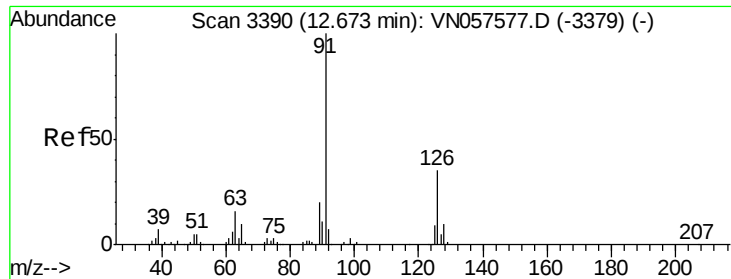
MMDadoda
8/31/2019 10:00:23 AM



#74
n-propylbenzene
Concen: 18.181 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	555828		
120	23.3	0.0	46.6	





#75

2-Chlorotoluene

Concen: 18.684 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 91 Resp: 336241

Ion Ratio Lower Upper

91 100

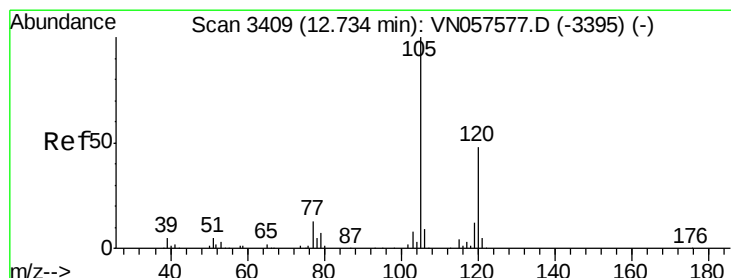
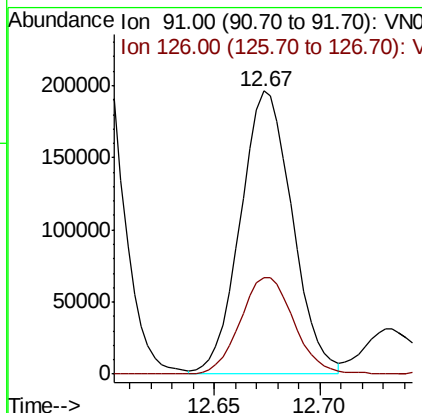
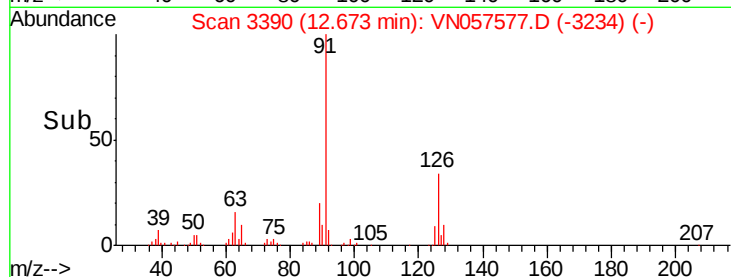
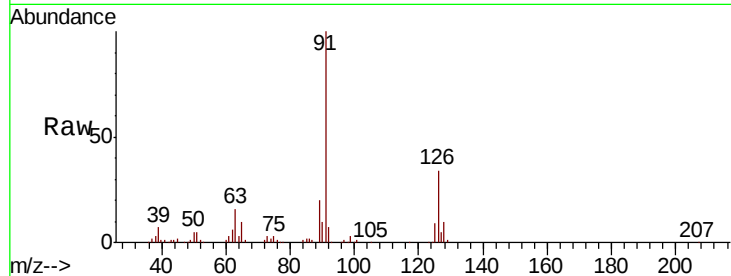
126 35.2 0.0 70.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.979 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057577.D

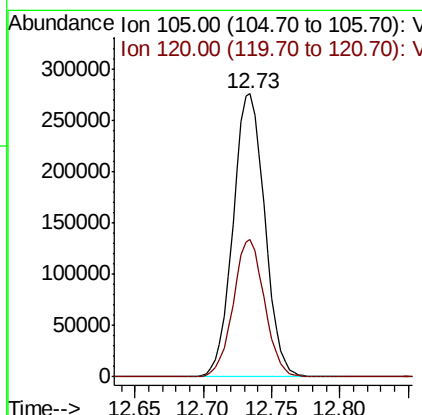
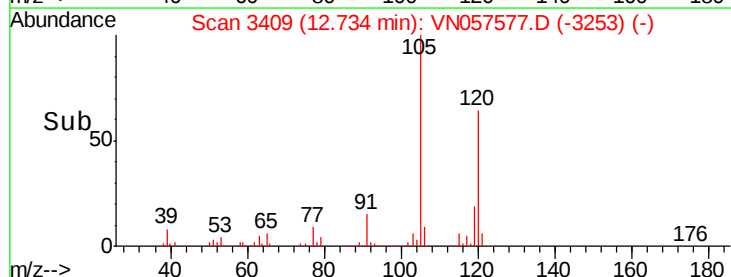
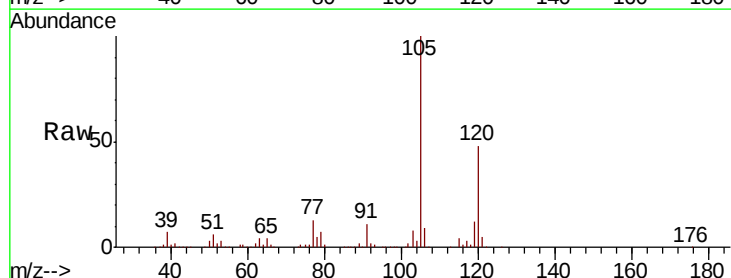
Acq: 30 Aug 2019 9:33

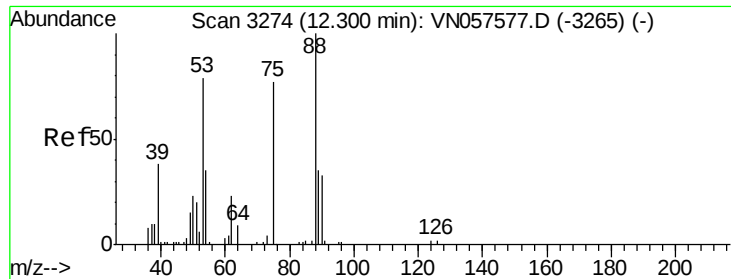
Tgt Ion: 105 Resp: 445746

Ion Ratio Lower Upper

105 100

120 47.9 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 12.466 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

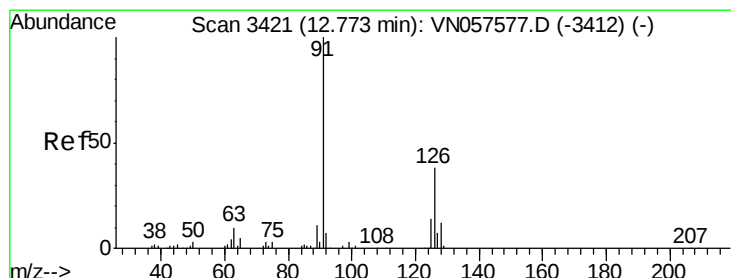
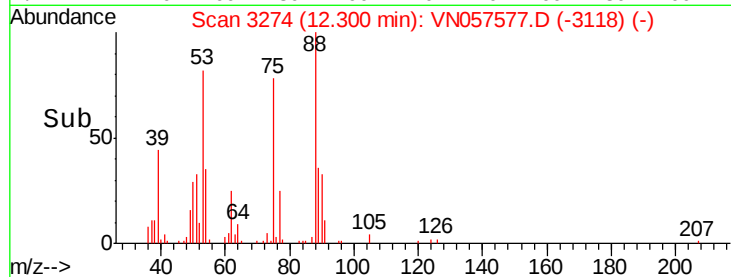
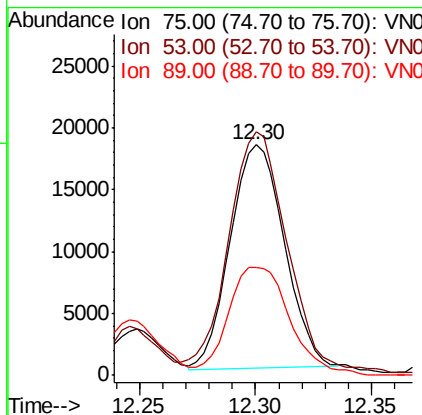
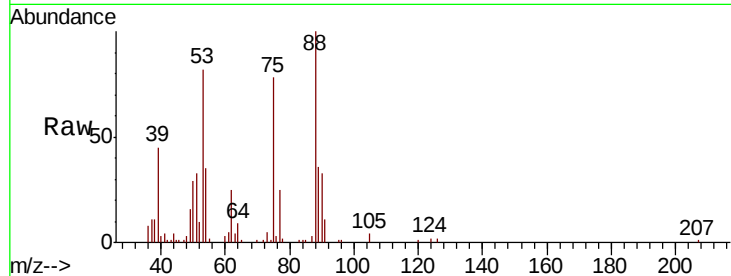
ClientSampleId :

VSTDICCC020

Tgt Ion:	75	Resp:	29376
Ion	Ratio	Lower	Upper
75	100		
53	105.6	52.8	158.4
89	46.3	23.2	69.5

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#78

4-Chlorotoluene

Concen: 18.649 ug/l

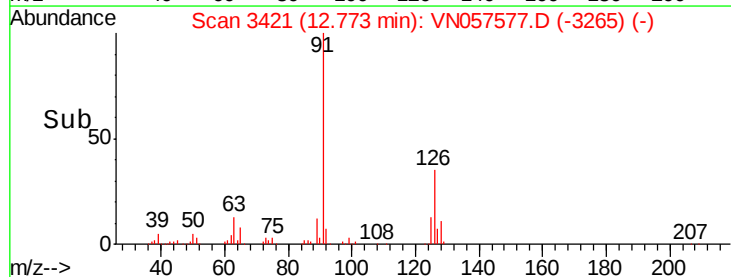
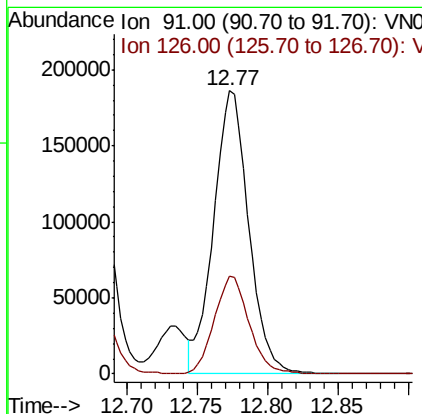
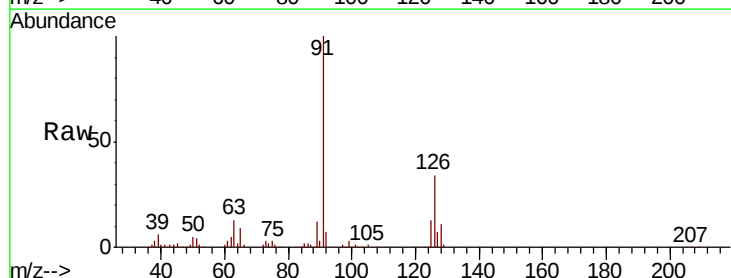
RT: 12.77 min Scan# 3421

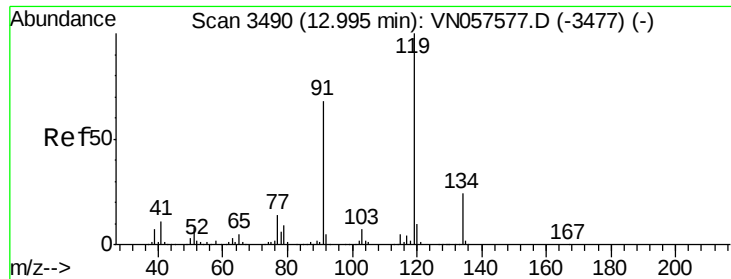
Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Tgt Ion:	91	Resp:	321877
Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	68.6





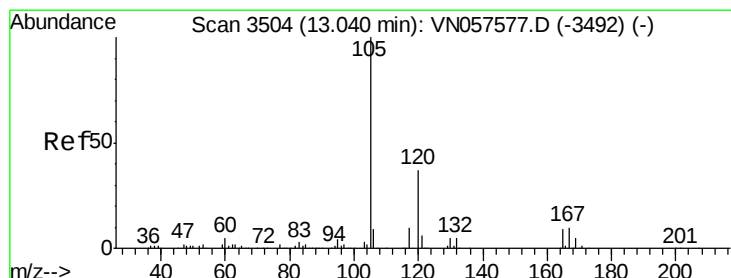
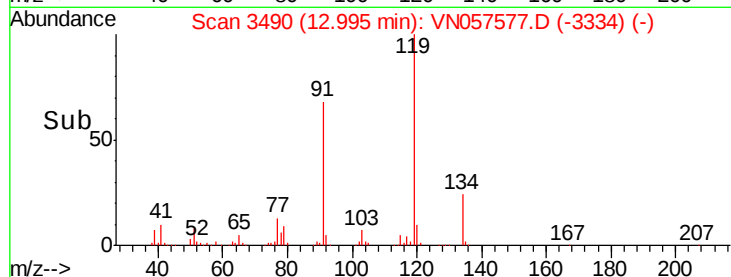
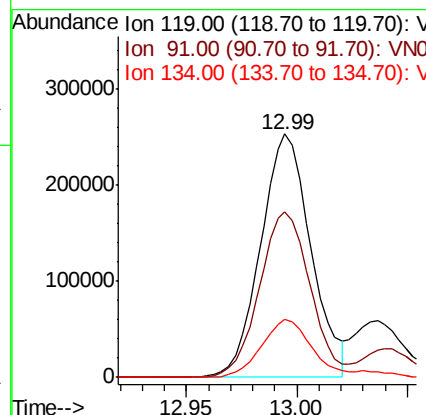
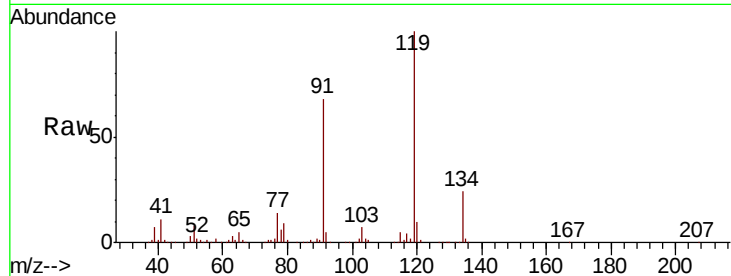
#79
 tert-butylbenzene
 Concen: 20.787 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion:	119	Resp:	398583
Ion Ratio	Lower	Upper	
119	100		
91	68.8	0.0	137.6
134	23.9	0.0	47.8

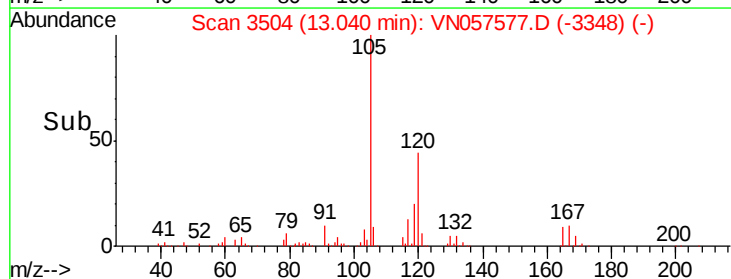
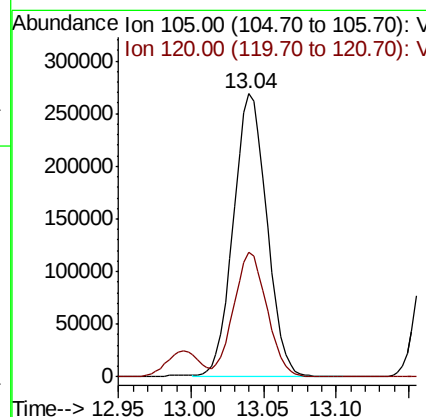
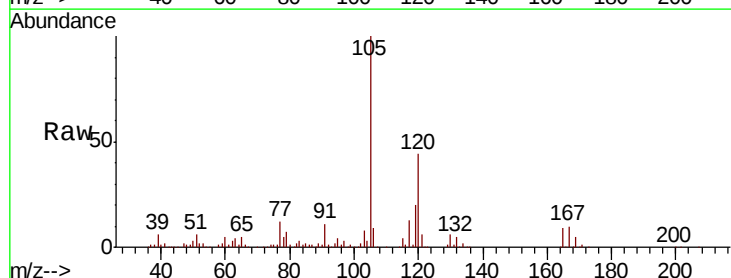
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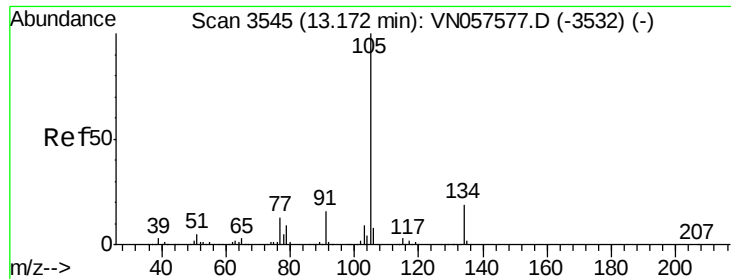
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#80
 1,2,4-Trimethylbenzene
 Concen: 20.556 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion:	105	Resp:	431114
Ion Ratio	Lower	Upper	
105	100		
120	43.6	0.0	87.2





#81

sec-Butylbenzene

Concen: 20.028 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:105 Resp: 503600

Ion Ratio Lower Upper

105 100

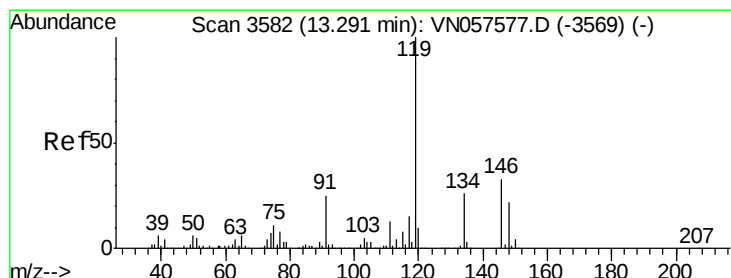
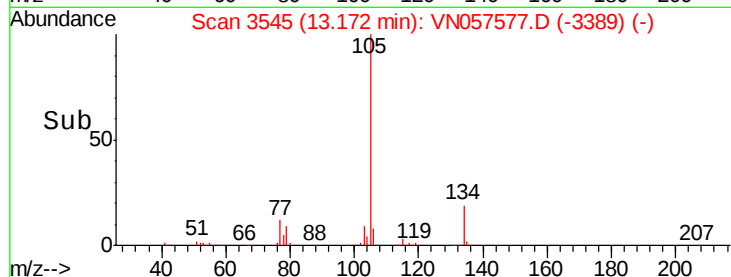
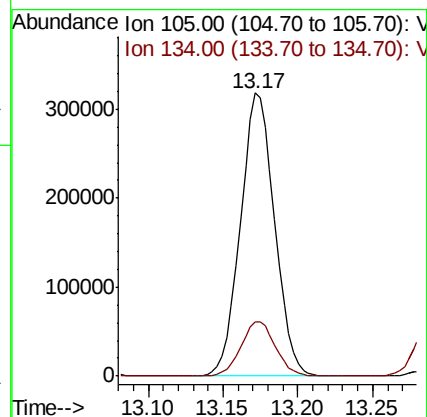
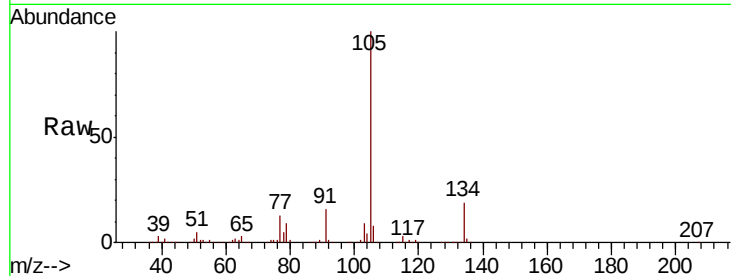
134 19.6 0.0 39.2

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8/31/2019 10:00:23 AM



#82

p-Isopropyltoluene

Concen: 20.421 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057577.D

Acq: 30 Aug 2019 9:33

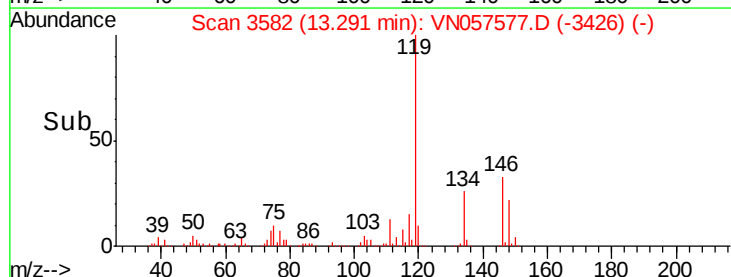
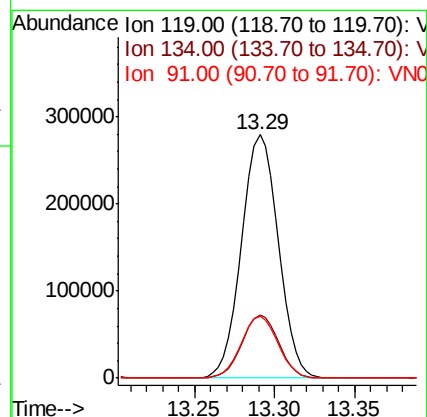
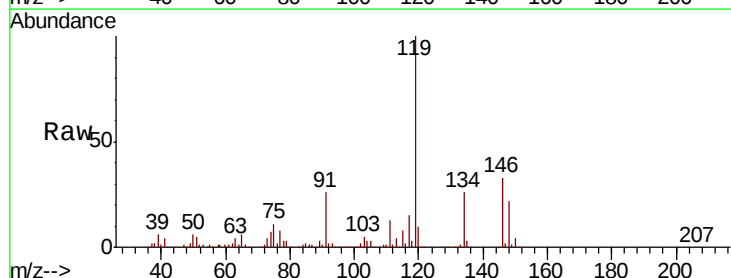
Tgt Ion:119 Resp: 437802

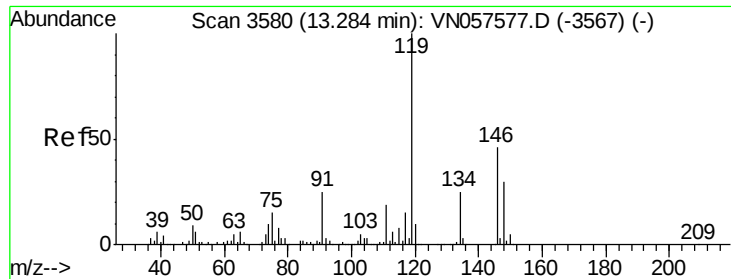
Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.6

91 25.4 0.0 50.8





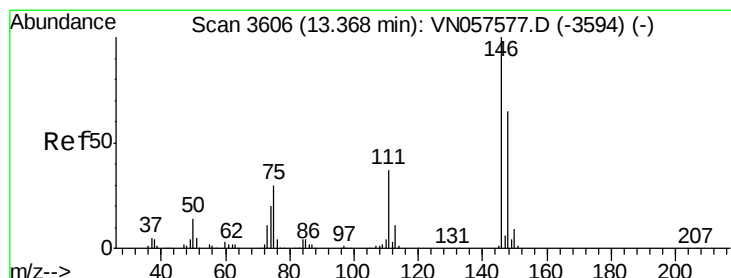
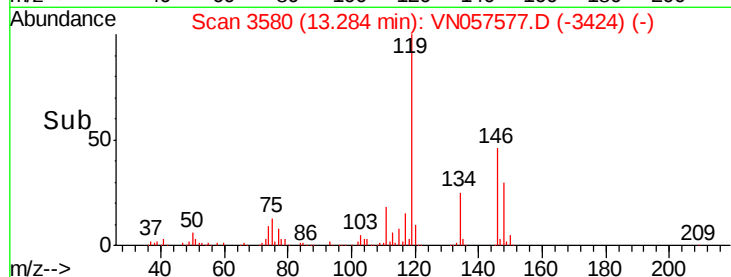
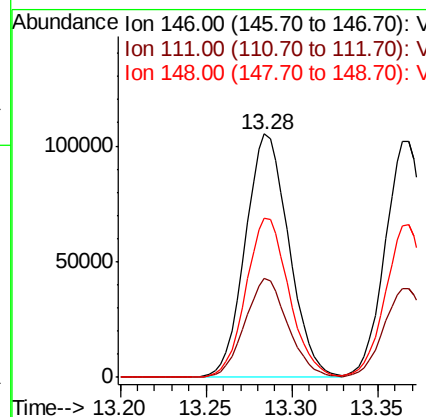
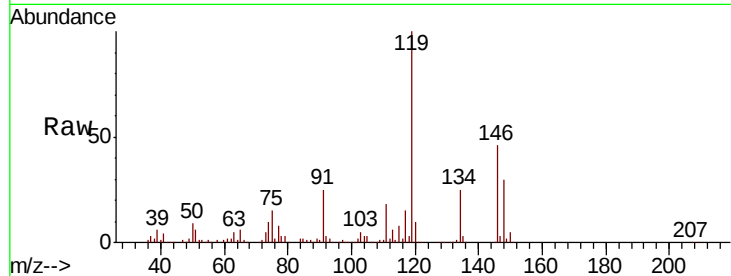
#83
 1,3-Dichlorobenzene
 Concen: 20.961 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185268		
111	40.0	20.0	60.0	
148	64.6	32.3	96.9	

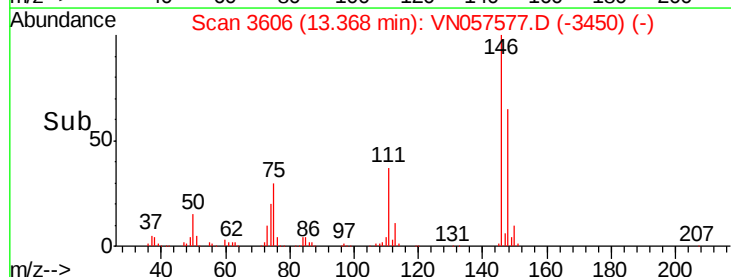
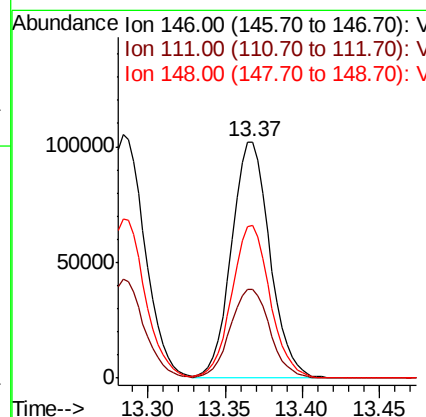
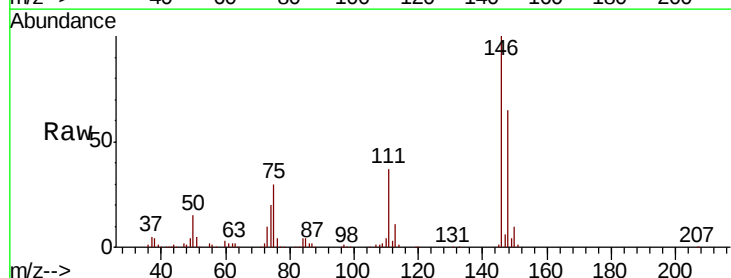
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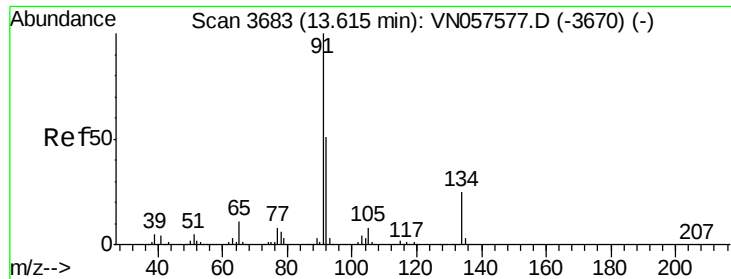
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#84
 1,4-Dichlorobenzene
 Concen: 20.434 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	175887		
111	38.6	19.3	57.9	
148	64.4	32.2	96.6	





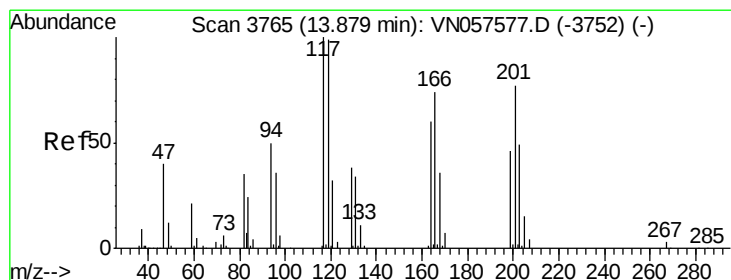
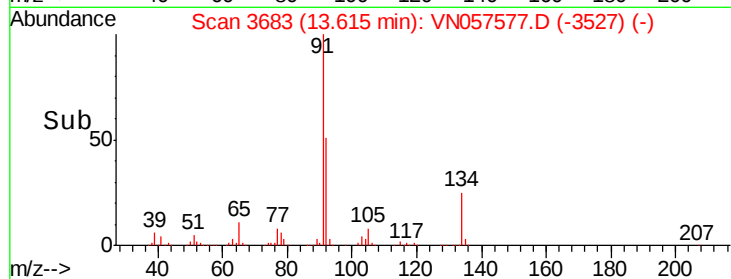
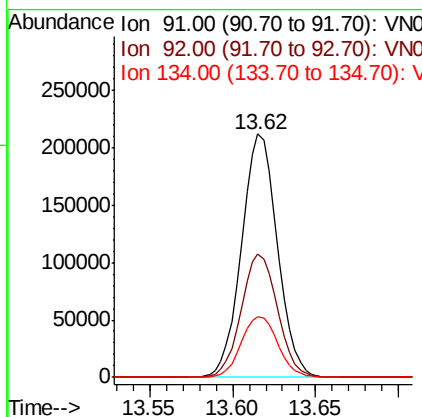
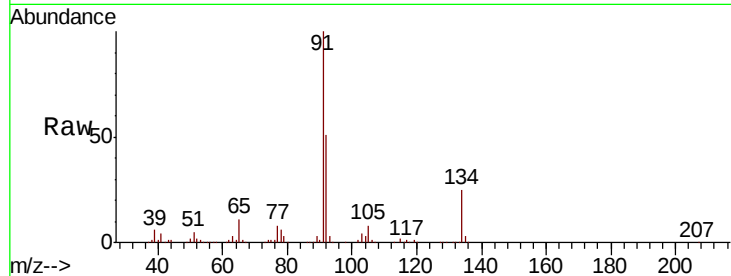
#85
n-Butylbenzene
Concen: 17.483 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	319510		
92	51.5	0.0	103.0	
134	25.5	0.0	51.0	

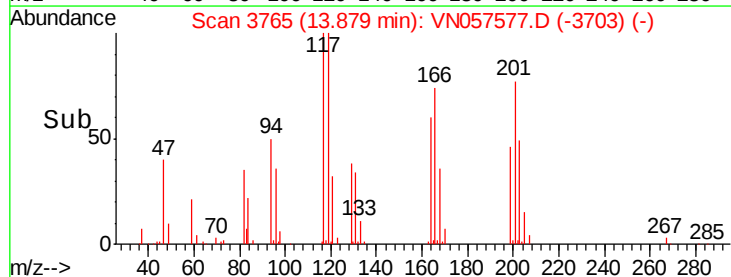
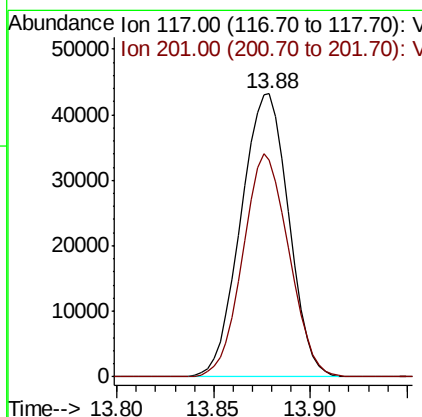
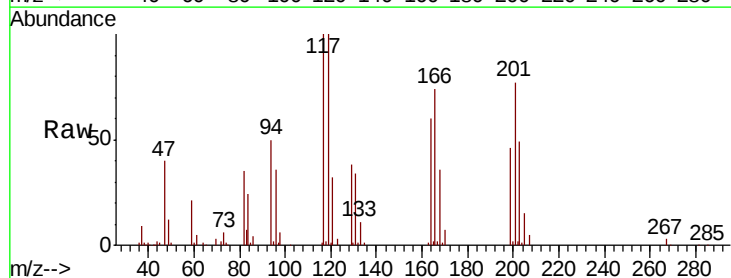
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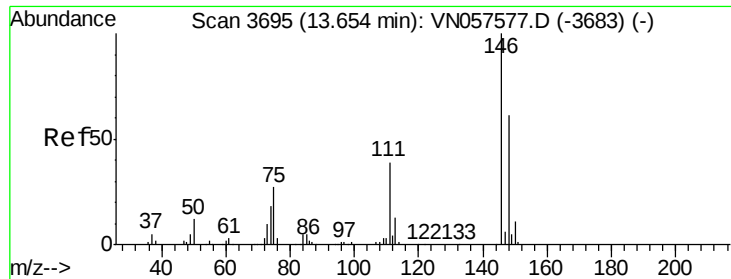
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#86
Hexachloroethane
Concen: 17.897 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	74318		
201	75.9	38.0	113.9	





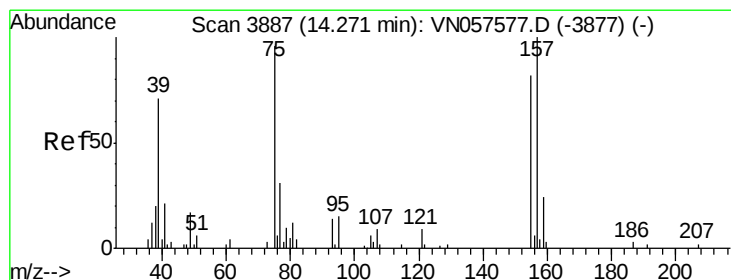
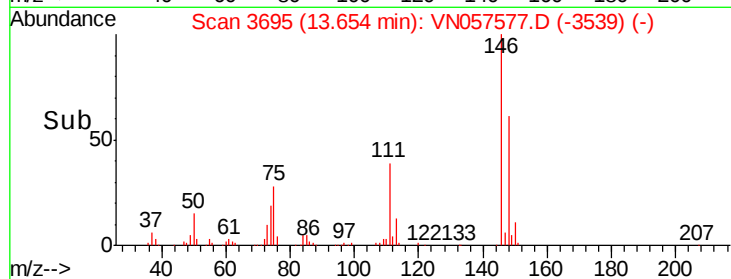
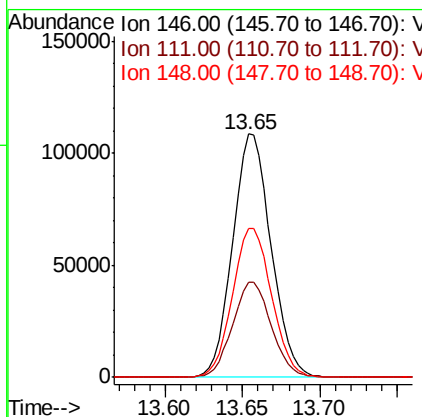
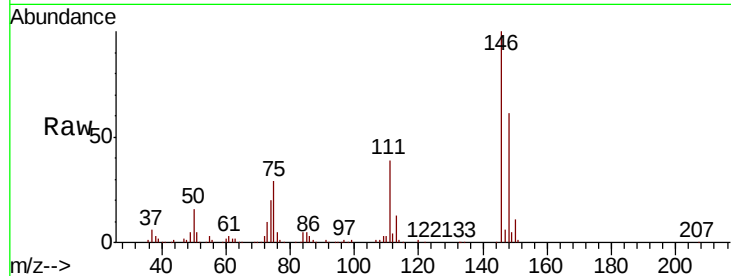
#87
 1,2-Dichlorobenzene
 Concen: 21.543 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	186959		
111	39.7	19.9	59.6	
148	62.4	31.2	93.6	

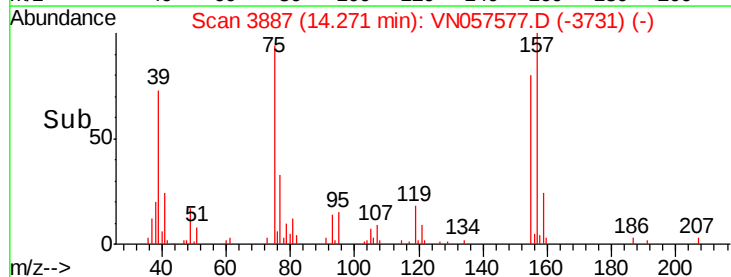
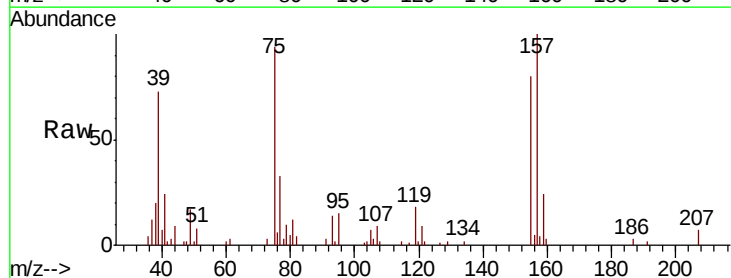
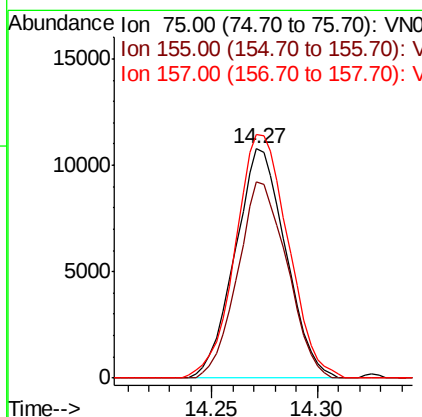
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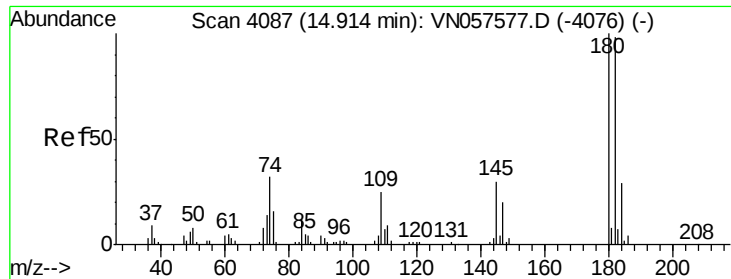
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 8/31/2019 10:00:23 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.326 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057577.D
 Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18051		
155	83.1	66.5	99.7	
157	110.5	88.4	132.6	





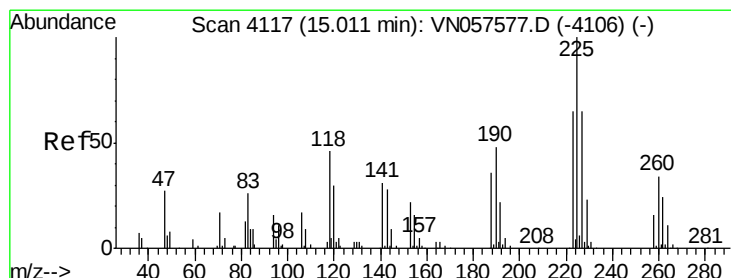
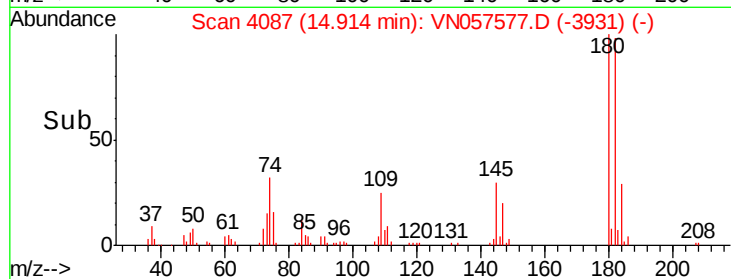
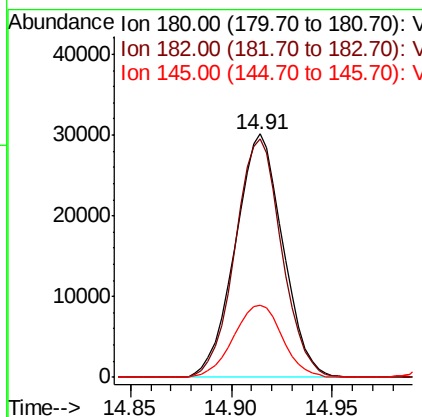
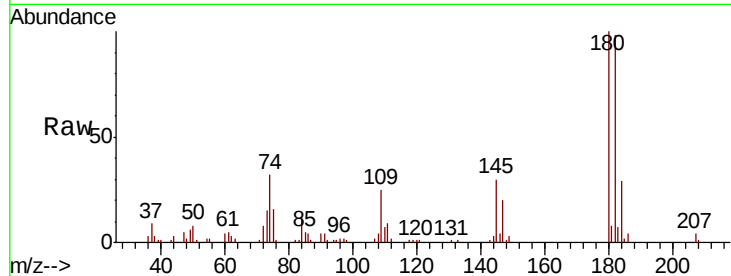
#89
1,2,4-Trichlorobenzene
Concen: 15.353 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	30.5	24.4	36.6

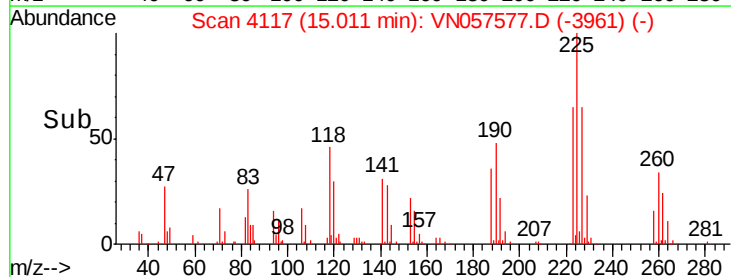
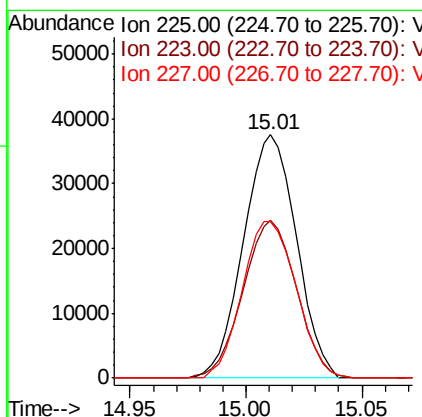
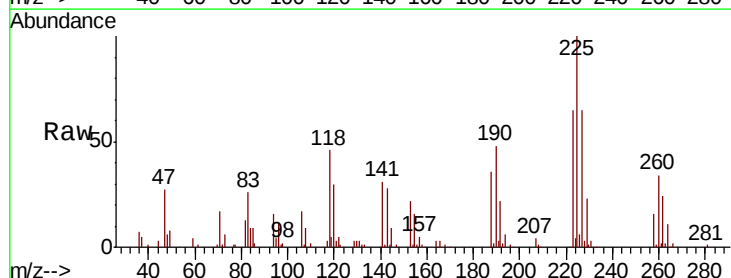
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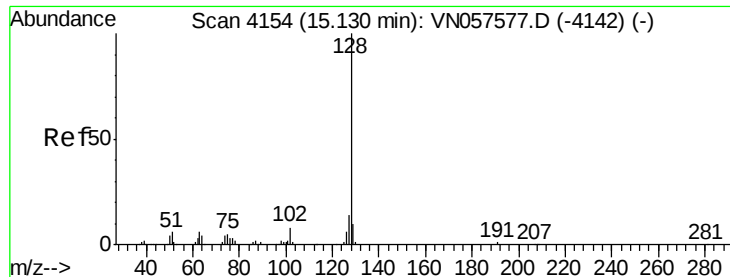
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#90
Hexachlorobutadiene
Concen: 23.759 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	0.0	130.6
227	65.5	0.0	131.0





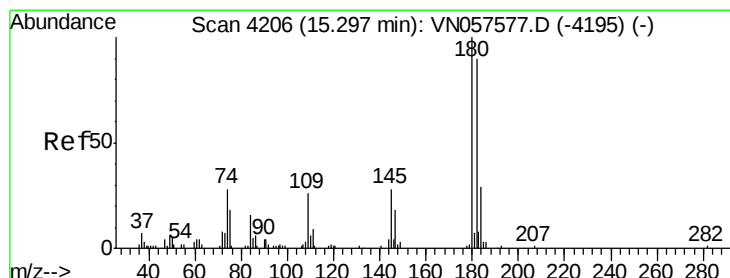
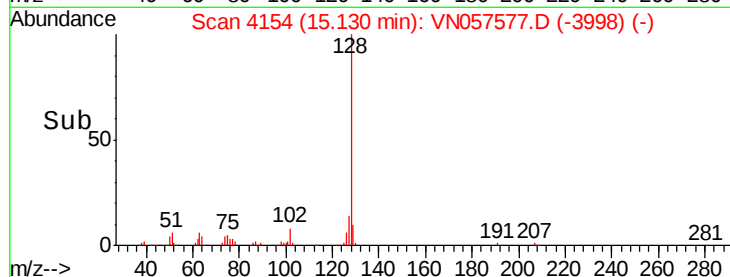
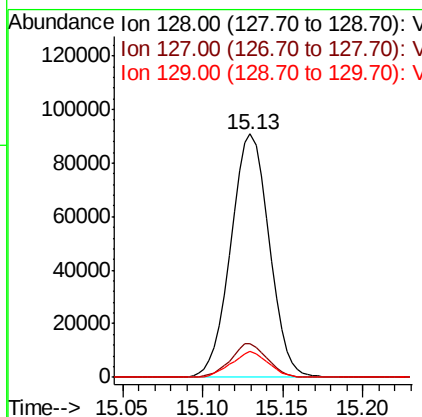
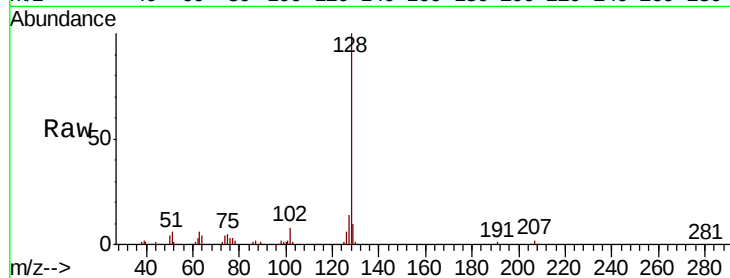
#91
Naphthalene
Concen: 14.558 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	148456		
127	13.3	10.6	16.0	
129	10.1	8.1	12.1	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 15.711 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057577.D
Acq: 30 Aug 2019 9:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	50302		
182	90.5	0.0	181.0	
145	31.1	0.0	62.2	

