

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058882.D
 Acq On : 21 Oct 2019 12:55
 Operator : JC/SP
 Sample : K5452-08MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Manual Integrations
 APPROVED

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 10/22/2019 4:55:29 PM

Quant Time: Oct 22 04:17:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	718092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	329254	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	240862	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.08	98	934818	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	343305	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	260754	47.304	ug/l	99
3) Chloromethane	2.04	50	324297	47.502	ug/l	98
4) Vinyl Chloride	2.17	62	335487	49.492	ug/l	99
5) Bromomethane	2.54	94	203884	48.031	ug/l	96
6) Chloroethane	2.68	64	206182	47.431	ug/l	99
7) Trichlorofluoromethane	3.00	101	398314	47.490	ug/l	99
8) Diethyl Ether	3.39	74	147268	50.809	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	222221	47.792	ug/l	98
10) Methyl Iodide	3.93	142	303279	49.592	ug/l	100
11) Tert butyl alcohol	4.75	59	255816	237.737	ug/l	99
12) 1,1-Dichloroethene	3.72	96	218078	50.036	ug/l	98
13) Acrolein	3.58	56	181125	244.976	ug/l	99
14) Allyl chloride	4.30	41	441482	50.058	ug/l	99
15) Acrylonitrile	4.96	53	687076	253.843	ug/l	100
16) Acetone	3.79	43	609061	190.084	ug/l	100
17) Carbon Disulfide	4.03	76	677772	48.275	ug/l	100
18) Methyl Acetate	4.30	43	340924	46.800	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	790143	51.774	ug/l	100
20) Methylene Chloride	4.53	84	258905	47.321	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	239722	49.804	ug/l	97
22) Diisopropyl ether	5.93	45	897188	52.009	ug/l	96
23) Vinyl Acetate	5.87	43	3823486	275.873	ug/l	99
24) 1,1-Dichloroethane	5.82	63	491039	49.091	ug/l	100
25) 2-Butanone	6.81	43	952540	229.011	ug/l	98
26) 2,2-Dichloropropane	6.80	77	422465	48.829	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	276107	50.215	ug/l	100
28) Bromochloromethane	7.18	49	162874	48.892	ug/l	100
29) Tetrahydrofuran	7.19	42	638788	251.054	ug/l	100
30) Chloroform	7.35	83	480004	47.839	ug/l	100
31) Cyclohexane	7.63	56	444950	47.749	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	419840	49.642	ug/l	99
36) 1,1-Dichloropropene	7.78	75	362520	49.311	ug/l	99
37) Ethyl Acetate	6.91	43	407750	50.901	ug/l	100
38) Carbon Tetrachloride	7.75	117	365577	48.269	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	420834	50.980	ug/l	98
40) Benzene	8.02	78	1079331	49.996	ug/l	99
41) Methacrylonitrile	7.16	41	167337m	46.902	ug/l	
42) 1,2-Dichloroethane	8.11	62	396543	47.684	ug/l	100
43) Isopropyl Acetate	8.15	43	644695	50.182	ug/l	99
44) Trichloroethene	8.82	130	256418	48.759	ug/l	99
45) 1,2-Dichloropropane	9.11	63	295833	49.973	ug/l	99
46) Dibromomethane	9.20	93	182502	48.766	ug/l	99
47) Bromodichloromethane	9.39	83	380350	49.311	ug/l	98
48) Methyl methacrylate	9.19	41	300257	51.512	ug/l	99
49) 1,4-Dioxane	9.19	88	87640	915.925	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1995418	265.914	ug/l	99
52) Toluene	10.15	92	656829	51.306	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	436201	51.085	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	454225	49.791	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	255915	48.525	ug/l	98
56) Ethyl methacrylate	10.43	69	409812	46.416	ug/l	100
57) 1,3-Dichloropropane	10.70	76	456960	49.367	ug/l	99
59) 2-Hexanone	10.75	43	1490886	257.112	ug/l	99
60) Dibromochloromethane	10.90	129	283406	49.925	ug/l	99
61) 1,2-Dibromoethane	11.00	107	270227	50.068	ug/l	99
64) Tetrachloroethene	10.63	164	229225	49.960	ug/l	99
65) Chlorobenzene	11.43	112	688581	51.626	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	256734	51.009	ug/l	99
67) Ethyl Benzene	11.51	91	1273807	54.442	ug/l	99
68) m/p-Xylenes	11.62	106	937517	108.047	ug/l	100
69) o-Xylene	11.95	106	448698	54.220	ug/l	99
70) Stvrene	11.96	104	746133	48.885	ug/l	100
71) Bromoform	12.13	173	201786	51.702	ug/l #	99
73) Isopropylbenzene	12.25	105	1219430	52.969	ug/l	99
74) N-amyl acetate	12.07	43	572157	54.820	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	395921	48.910	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	344860m	47.236	ug/l	
77) Bromobenzene	12.53	156	287846	50.727	ug/l	99
78) n-propylbenzene	12.59	91	1444467	53.081	ug/l	100
79) 2-Chlorotoluene	12.68	91	851396	51.119	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1034584	53.488	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	143631	51.251	ug/l	99
82) 4-Chlorotoluene	12.78	91	881721	51.804	ug/l	100
83) tert-Butylbenzene	13.00	119	884666	53.486	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1039590	54.491	ug/l	99
85) sec-Butylbenzene	13.17	105	1189617	53.945	ug/l	99
86) p-Isopropyltoluene	13.29	119	1070518	55.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	517740	51.028	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	514163	50.615	ug/l	99
89) n-Butylbenzene	13.62	91	947473	53.008	ug/l	99
90) Hexachloroethane	13.88	117	198744	50.406	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	504301	50.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86901	47.464	ug/l	99
93) 1,2,4-Trichlorobenzene	14.91	180	287759	46.047	ug/l	98

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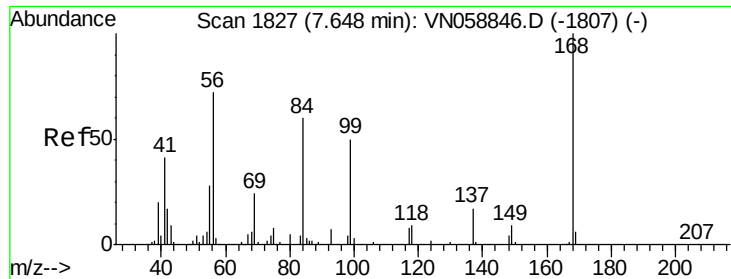
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	152192	47.085	ug/l	99
95) Naphthalene	15.13	128	830601	46.209	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	279317	45.908	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion:168 Resp: 442117

Ion Ratio Lower Upper

168 100

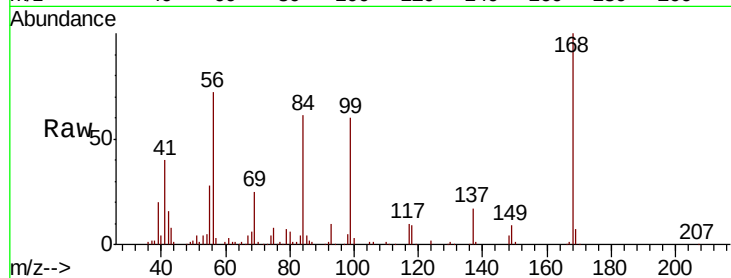
99 59.8 48.1 72.1

Manual Integrations

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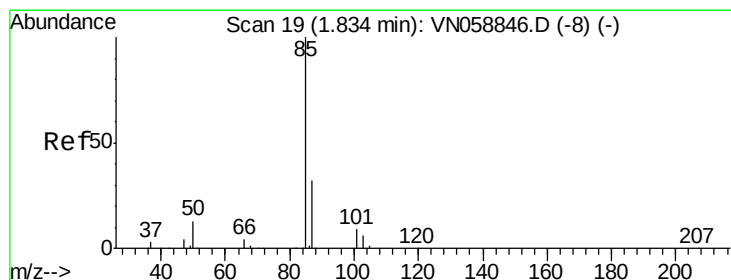
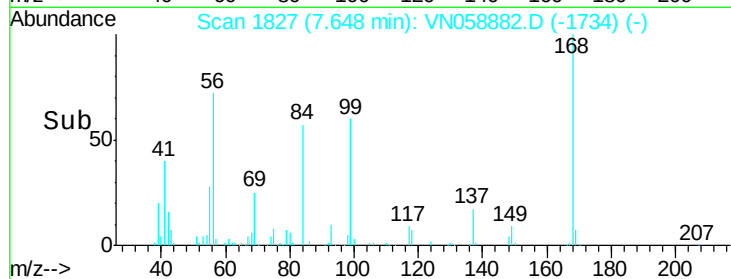
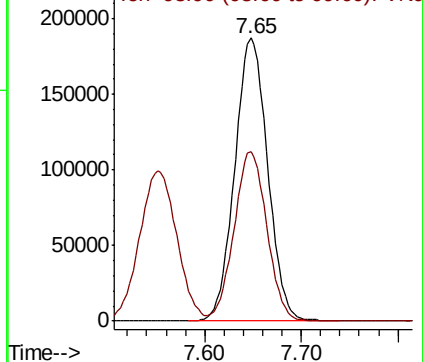
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.304 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058882.D

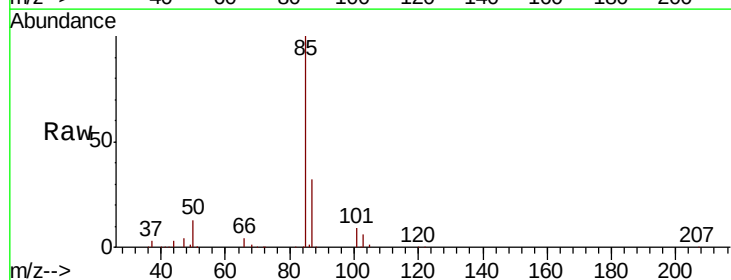
Acq: 21 Oct 2019 12:55

Tgt Ion: 85 Resp: 260754

Ion Ratio Lower Upper

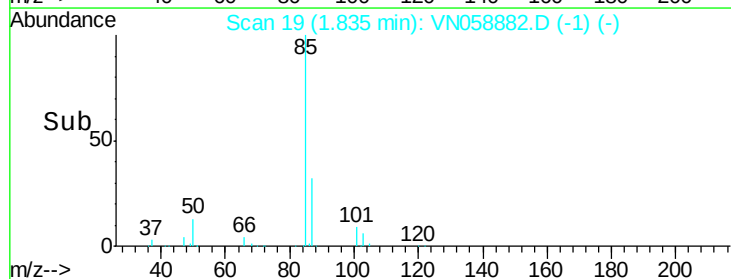
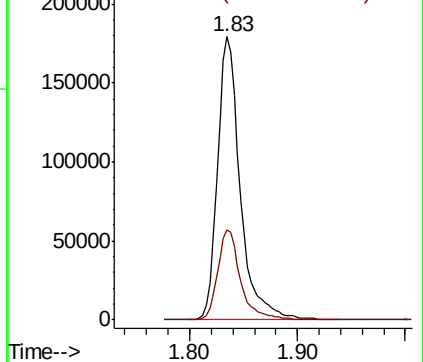
85 100

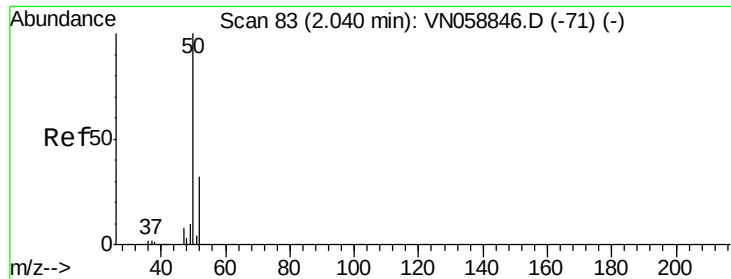
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.502 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 50 Resp: 324297

Ion Ratio Lower Upper

50 100

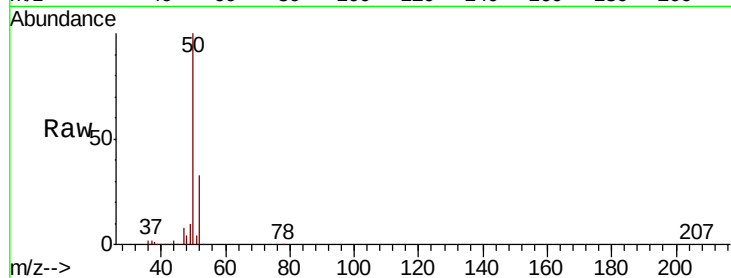
52 33.4 25.7 38.5

Manual Integrations

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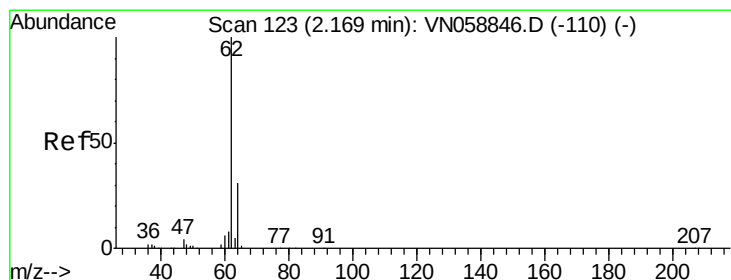
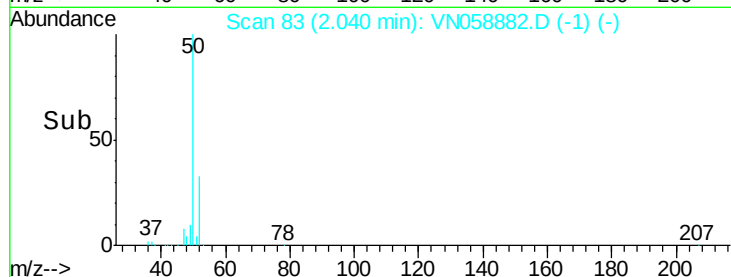
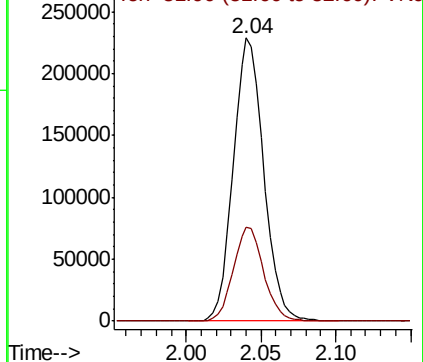
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.492 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058882.D

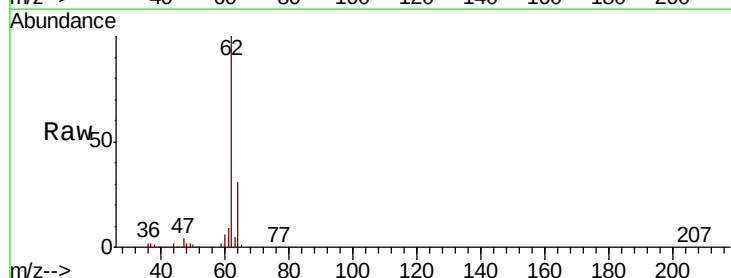
Acq: 21 Oct 2019 12:55

Tgt Ion: 62 Resp: 335487

Ion Ratio Lower Upper

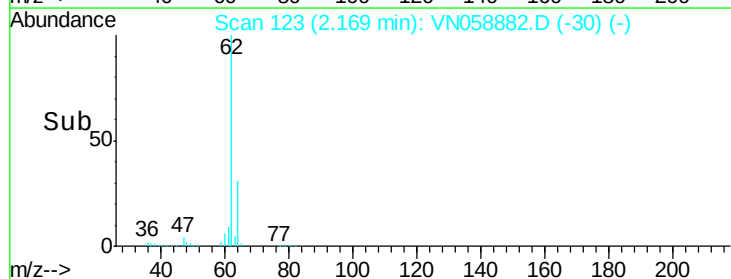
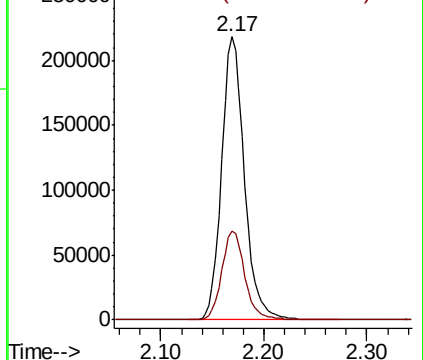
62 100

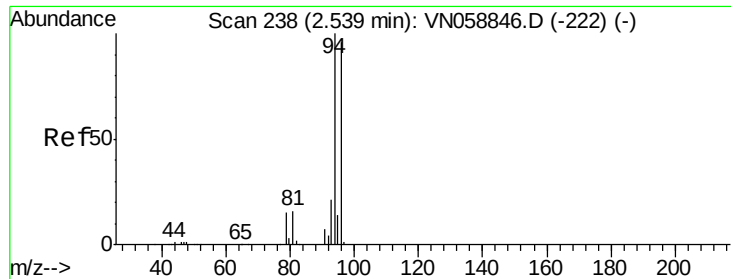
64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.031 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 94 Resp: 203884

Ion Ratio Lower Upper

94 100

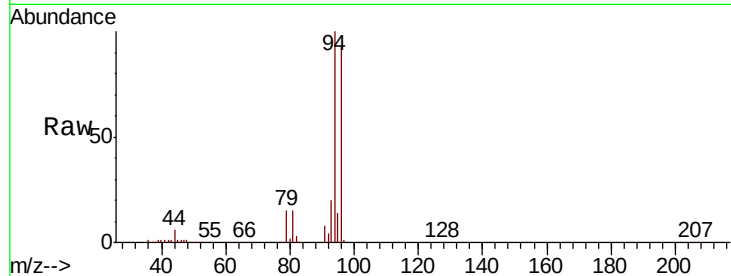
96 92.8 77.0 115.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

100000

80000

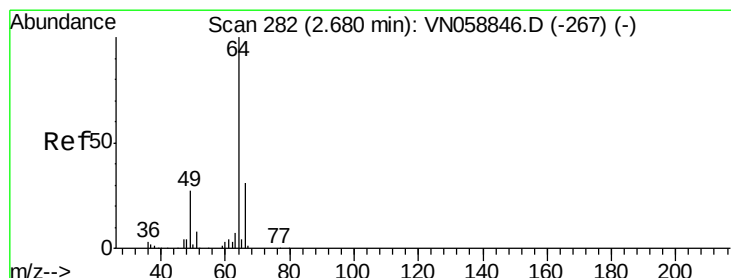
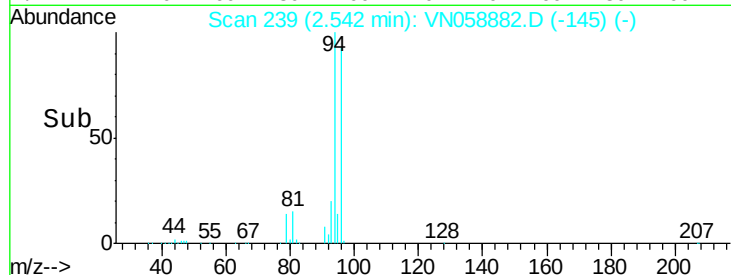
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.431 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058882.D

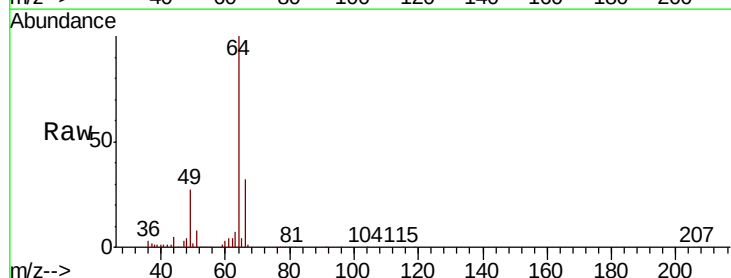
Acq: 21 Oct 2019 12:55

Tgt Ion: 64 Resp: 206182

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

100000

80000

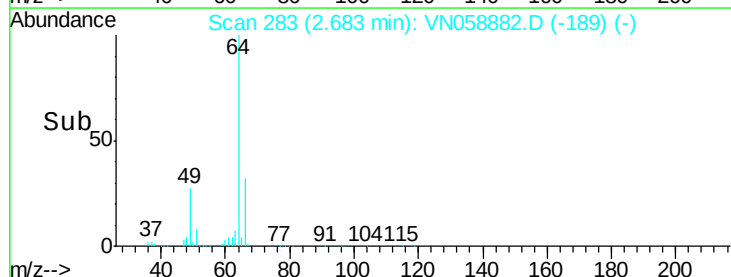
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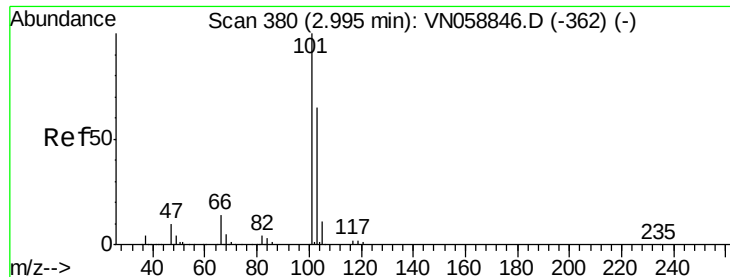
40000

20000

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Time-->





#7

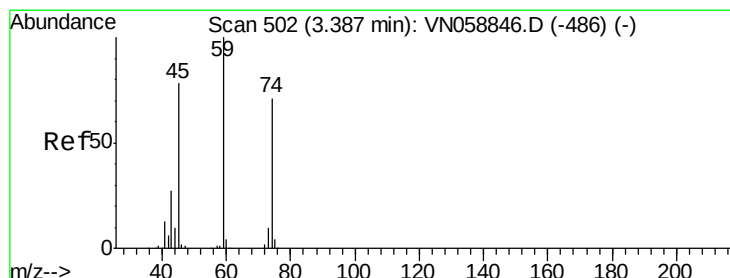
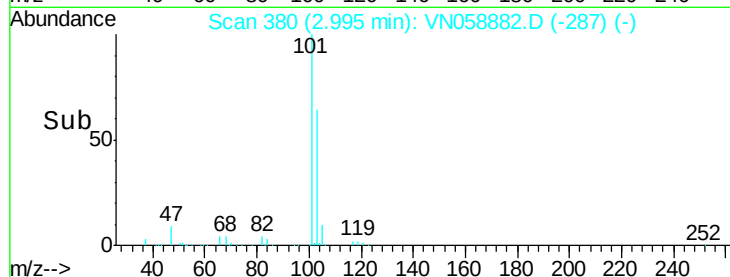
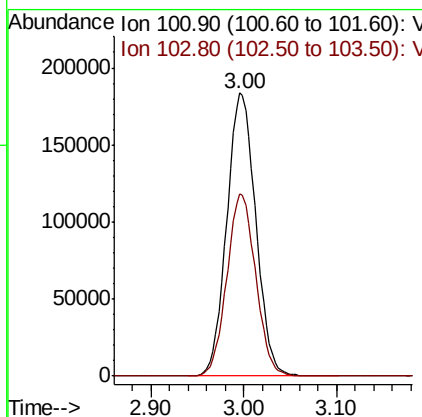
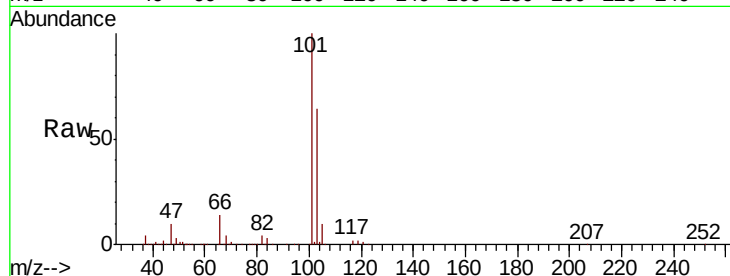
Trichlorofluoromethane
Concen: 47.490 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

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FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.2

Manual Integrations
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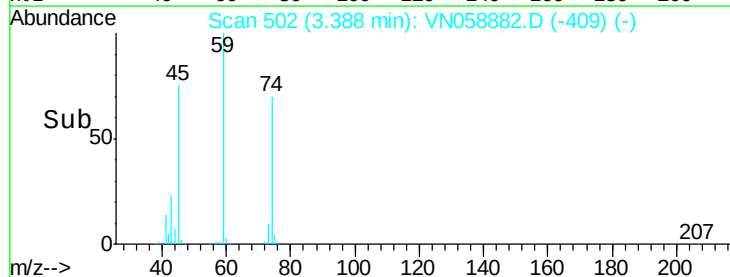
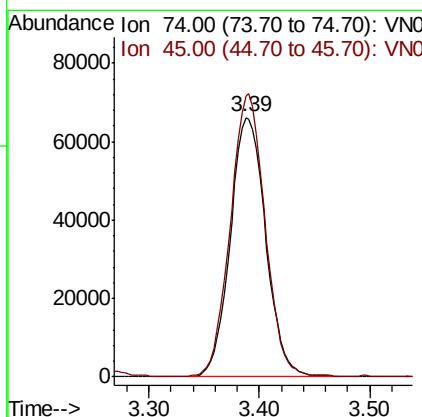
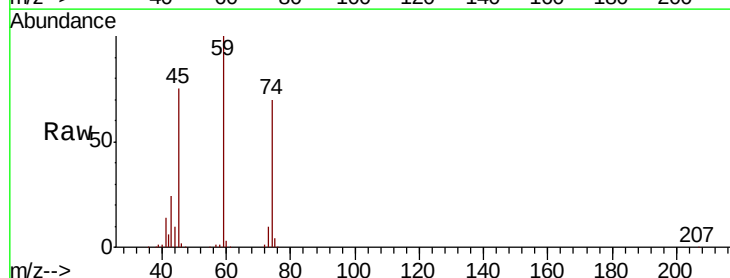
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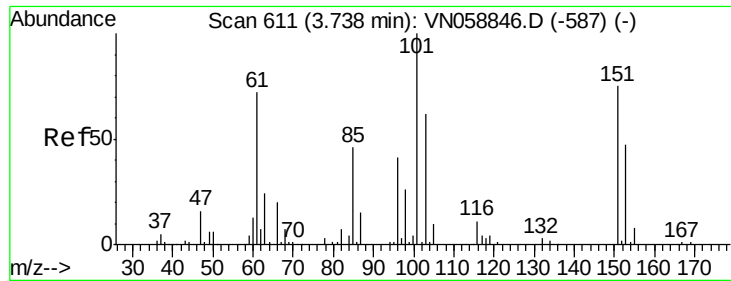


#8

Diethyl Ether
Concen: 50.809 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.792 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

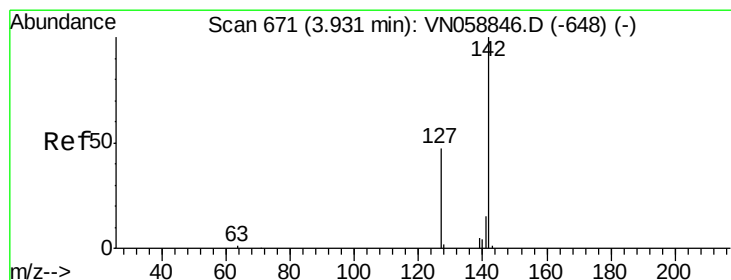
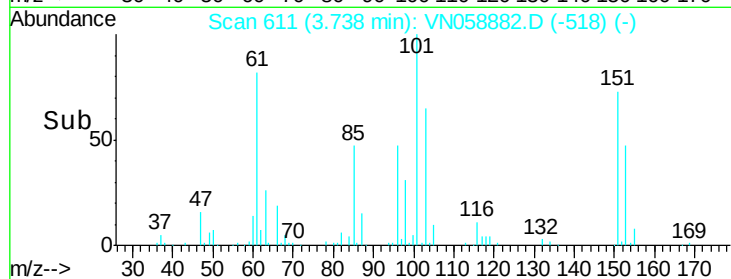
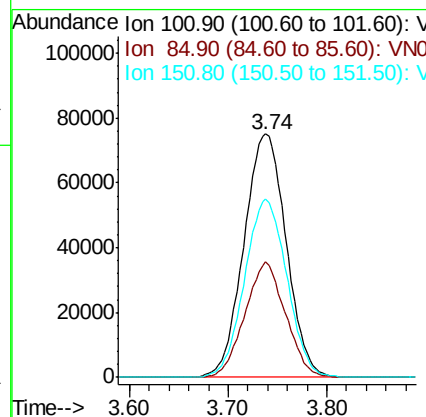
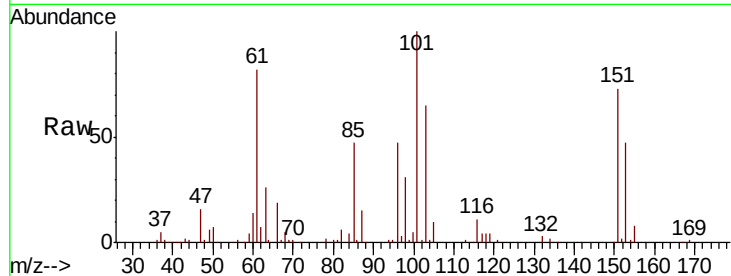
ClientSampleId :

FA19-MMW0422MS

Tot Ion:	101	Resp:	222221
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.2	55.8
151	73.3	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 49.592 ug/l

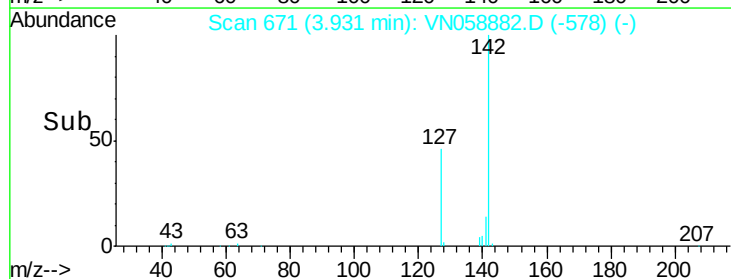
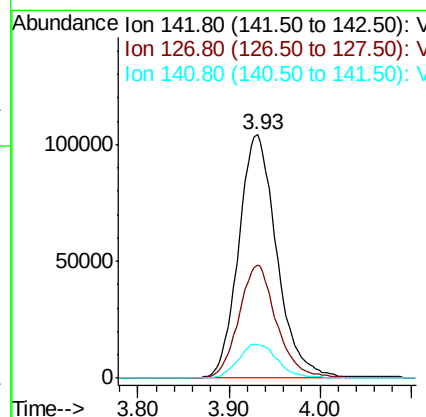
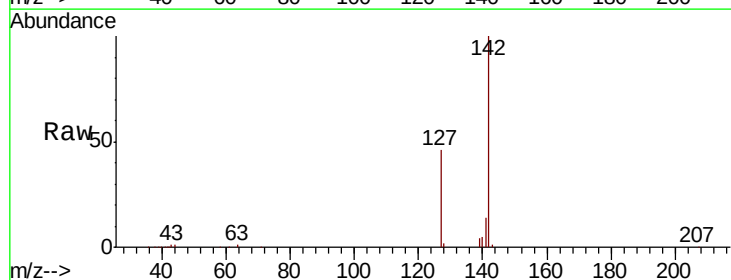
RT: 3.93 min Scan# 671

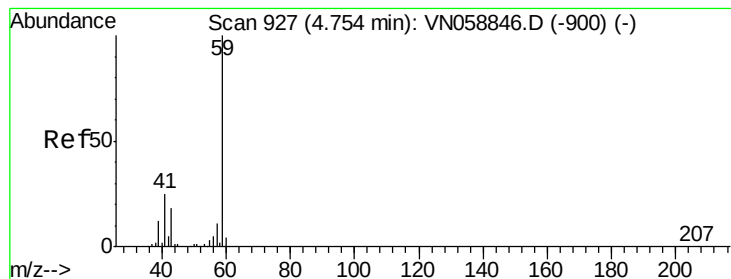
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:	142	Resp:	303279
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.6	54.8
141	14.5	11.4	17.2





#11

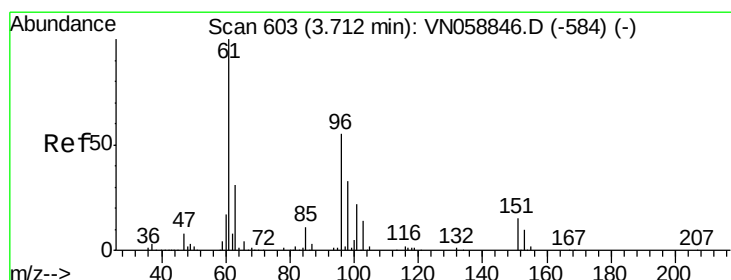
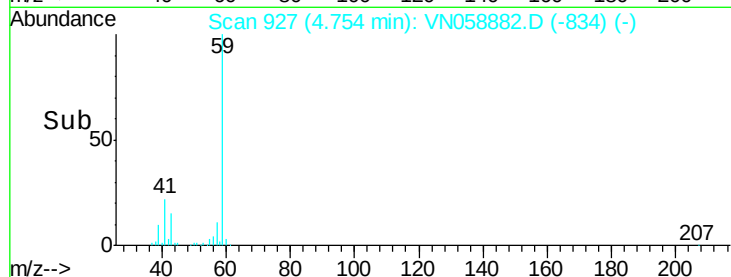
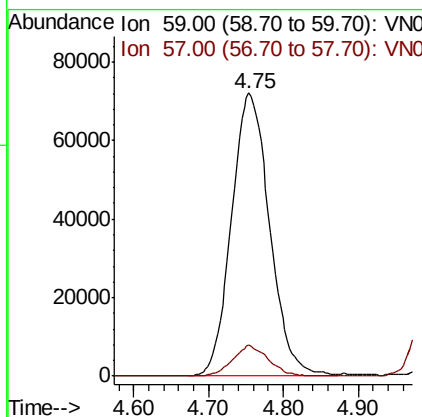
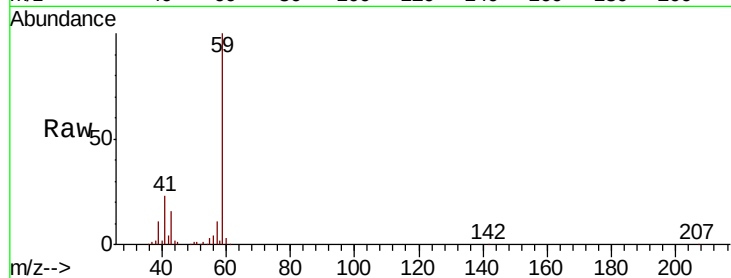
Tert butyl alcohol
Concen: 237.737 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	255816		
57	10.2		8.6	12.8

Manual Integrations
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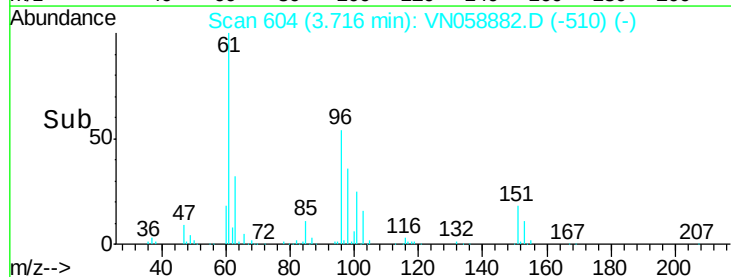
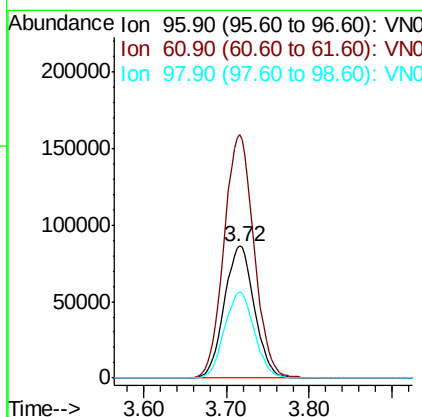
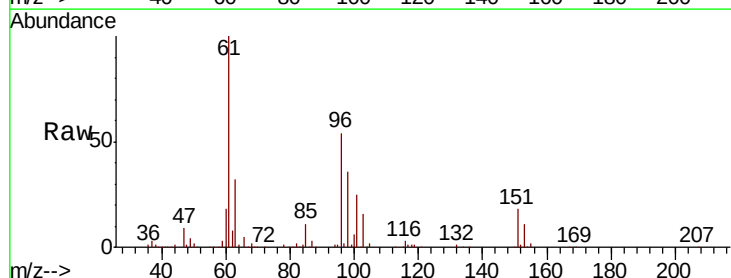
MMDadoda
10/22/2019 4:55:29 PM

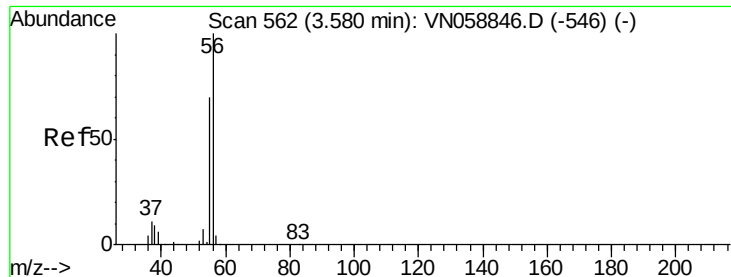


#12

1,1-Dichloroethene
Concen: 50.036 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	218078		
61	184.2		146.2	219.2
98	65.4		48.7	73.1





#13

Acrolein

Concen: 244.976 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 56 Resp: 181125

Ion Ratio Lower Upper

56 100

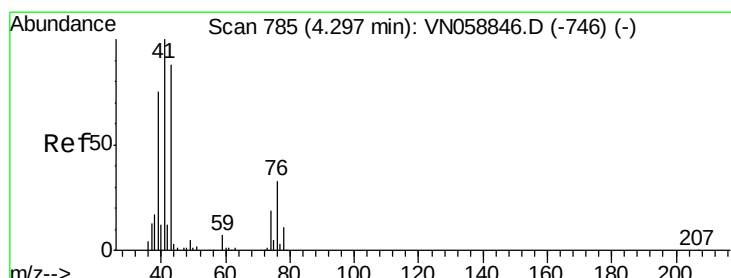
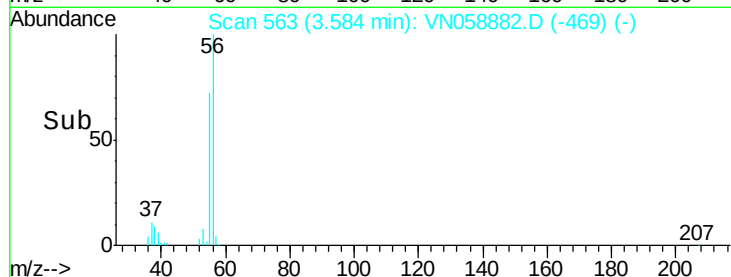
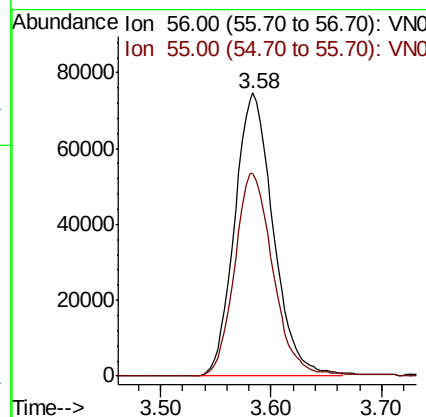
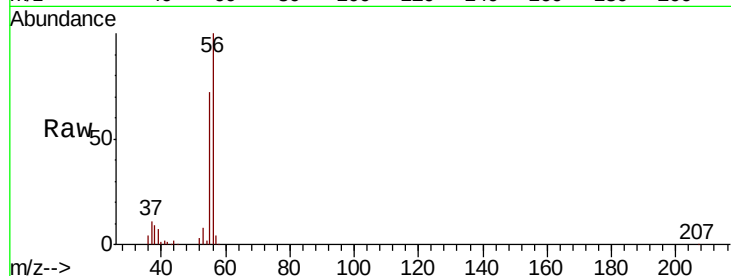
55 71.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.058 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

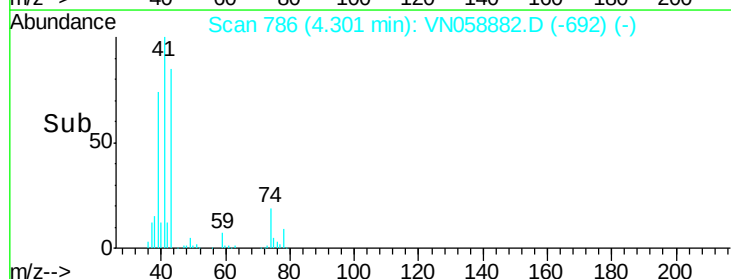
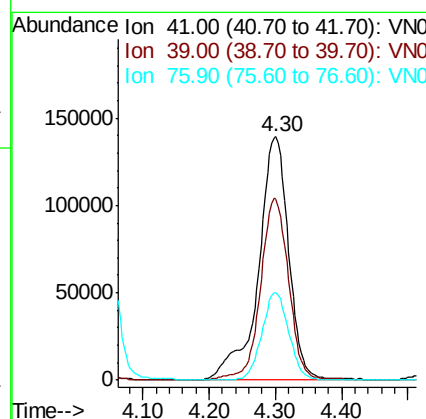
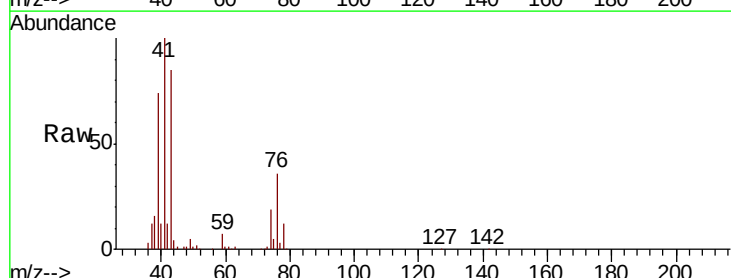
Tgt Ion: 41 Resp: 441482

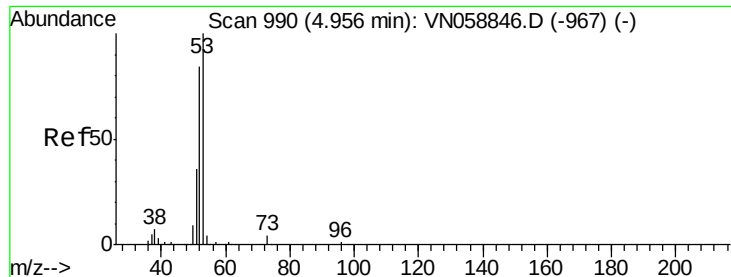
Ion Ratio Lower Upper

41 100

39 69.5 55.9 83.9

76 31.5 24.1 36.1





#15

Acrylonitrile

Concen: 253.843 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

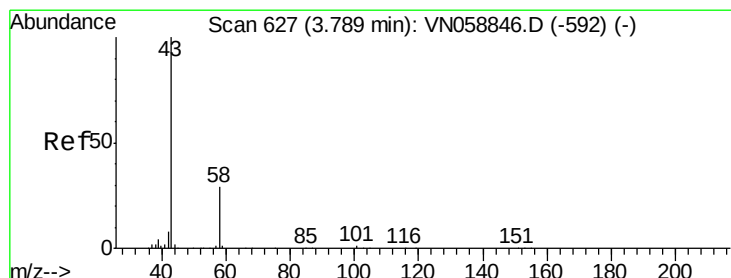
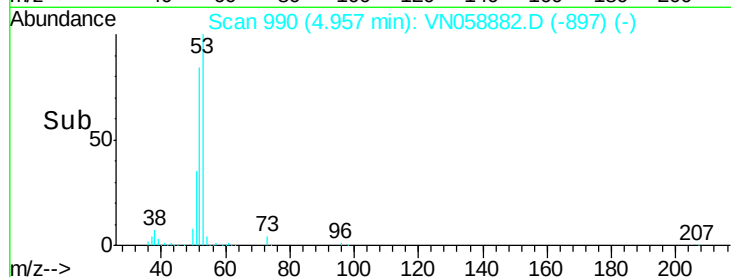
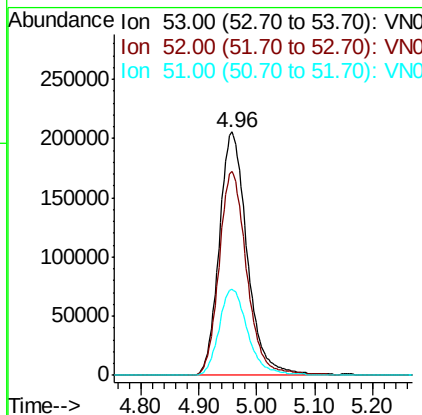
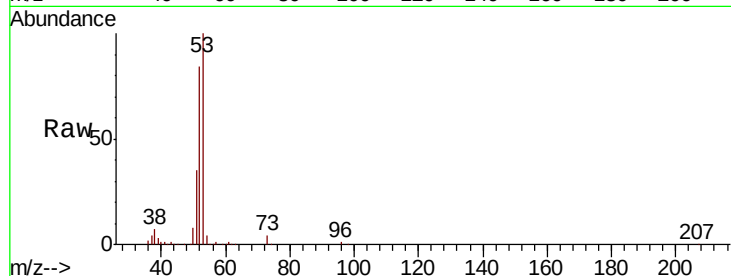
ClientSampleId :

FA19-MMW0422MS

Tot Ion:	53	Resp:	687076
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	36.6	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 190.084 ug/l

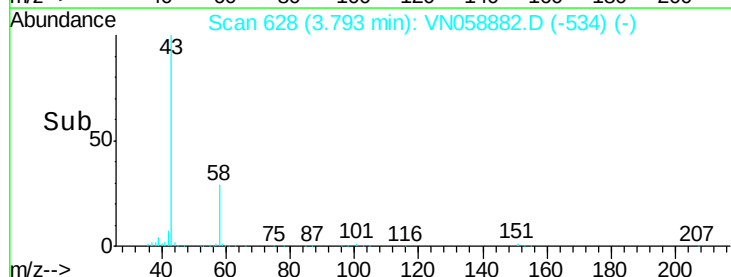
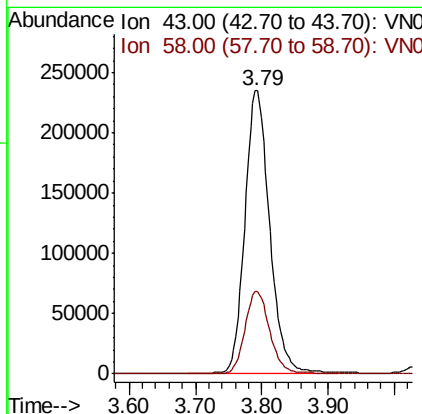
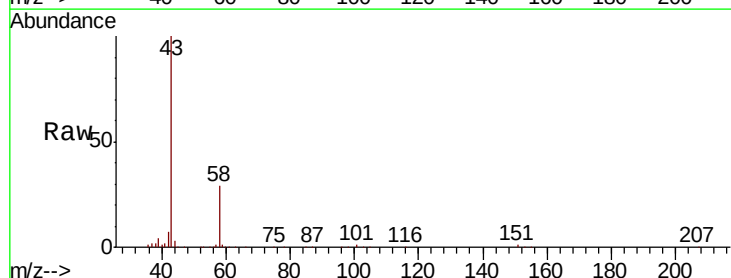
RT: 3.79 min Scan# 628

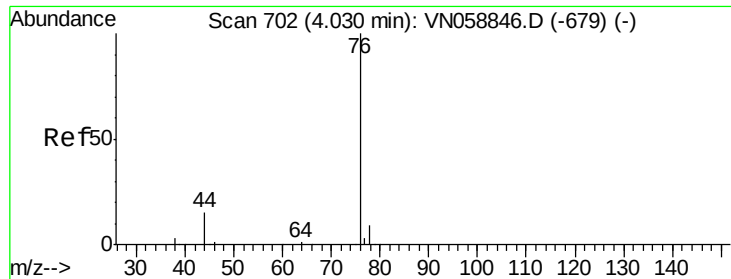
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:	43	Resp:	609061
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.1	34.7





#17

Carbon Disulfide

Concen: 48.275 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 76 Resp: 677772

Ion Ratio Lower Upper

76 100

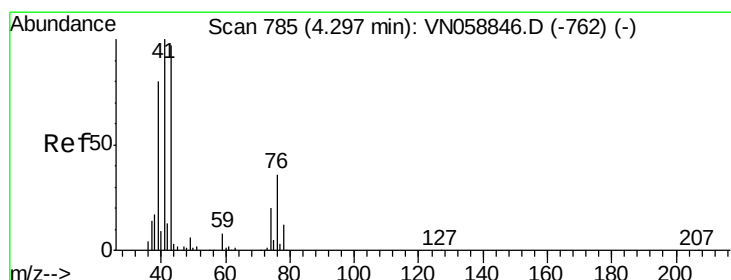
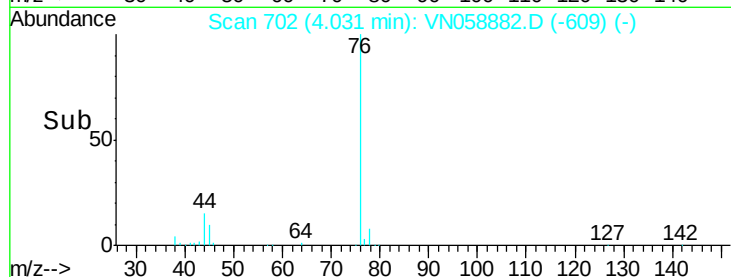
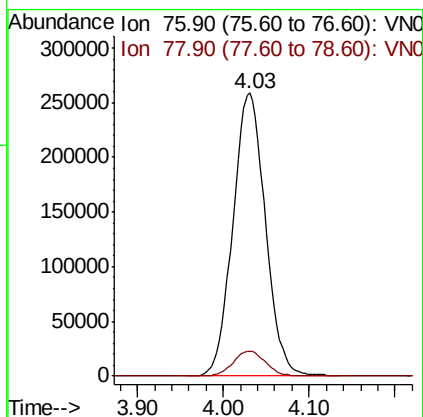
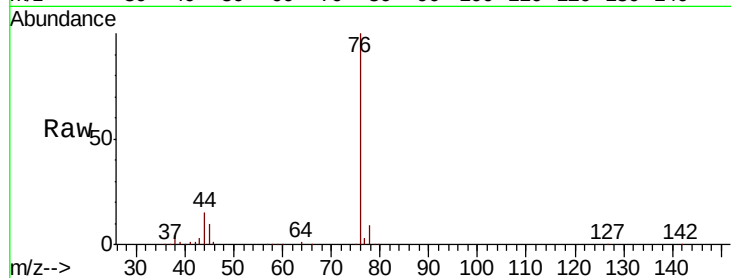
78 8.8 7.1 10.7

Manual Integrations

APPROVED

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10/22/2019 4:55:29 PM



#18

Methyl Acetate

Concen: 46.800 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058882.D

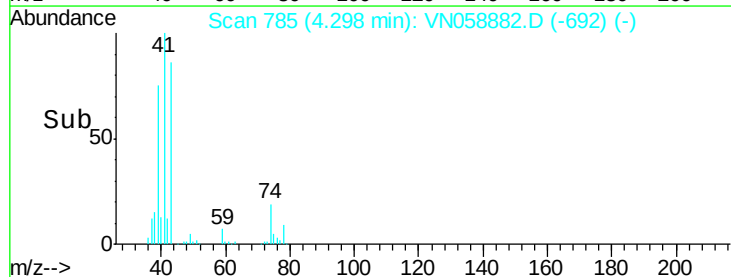
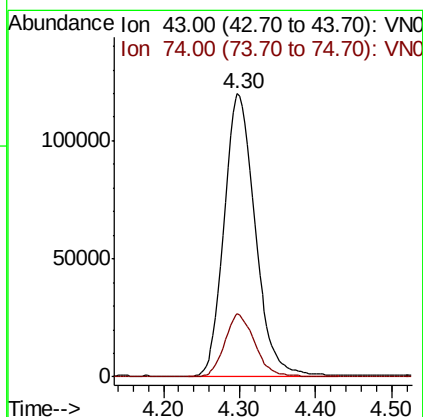
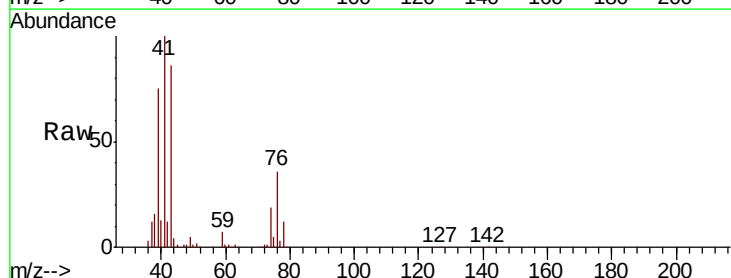
Acq: 21 Oct 2019 12:55

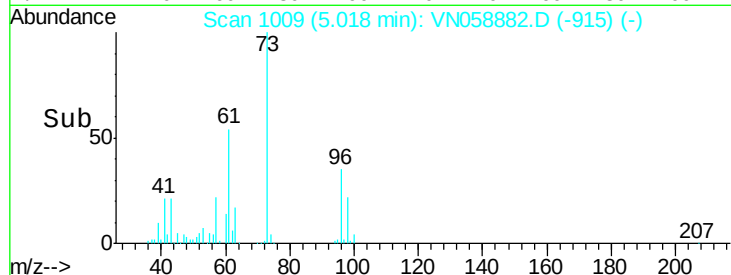
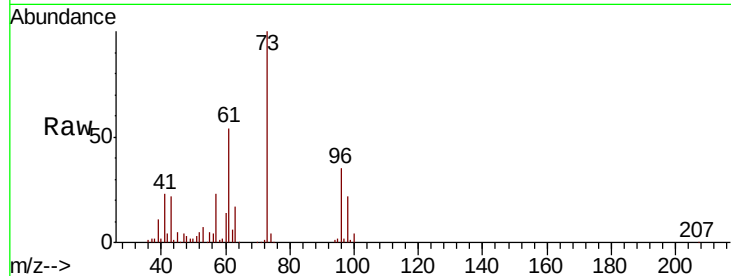
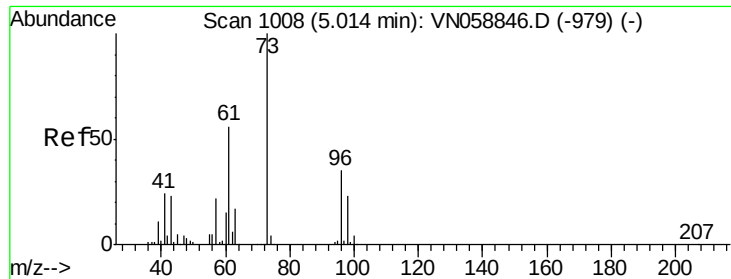
Tgt Ion: 43 Resp: 340924

Ion Ratio Lower Upper

43 100

74 21.8 17.1 25.7





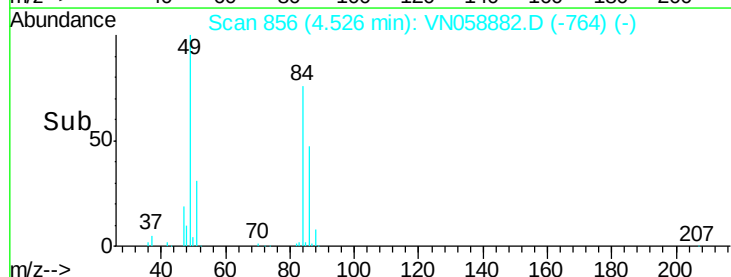
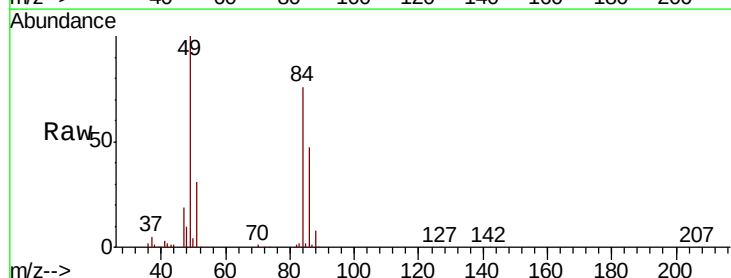
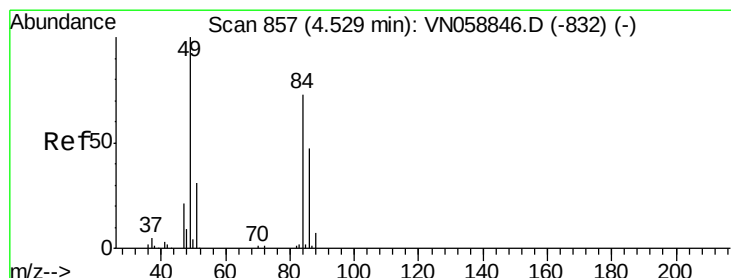
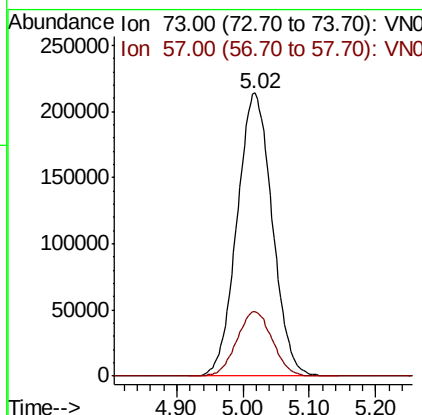
#19
Methyl tert-butyl Ether
Concen: 51.774 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tot Ion: 73 Resp: 790143
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

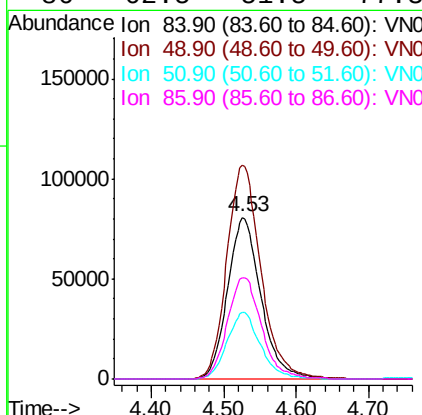
Manual Integrations
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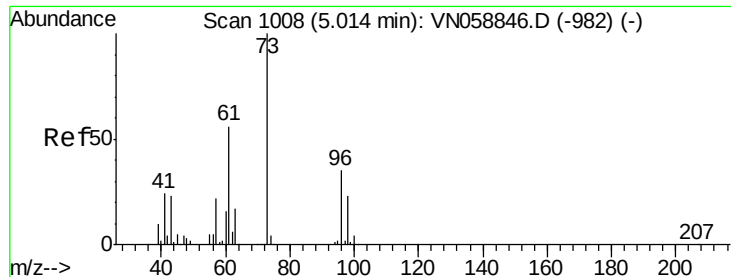
MMDadoda
10/22/2019 4:55:29 PM



#20
Methylene Chloride
Concen: 47.321 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 84 Resp: 258905
Ion Ratio Lower Upper
84 100
49 132.2 109.6 164.4
51 41.4 33.8 50.6
86 62.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.804 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

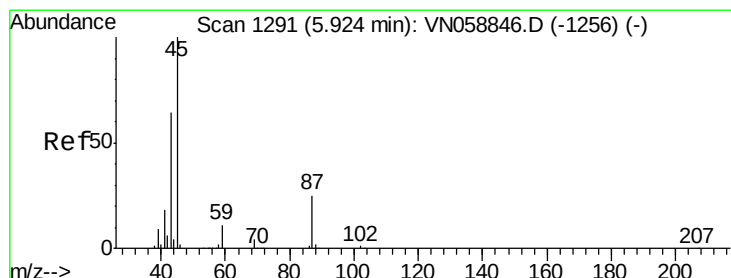
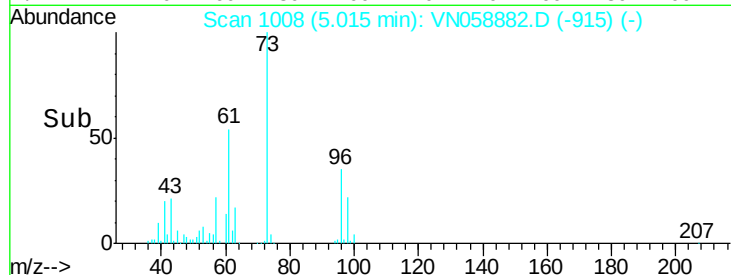
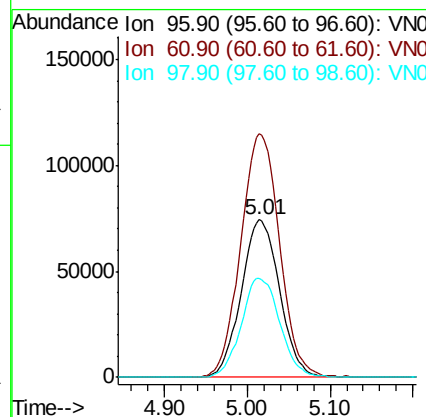
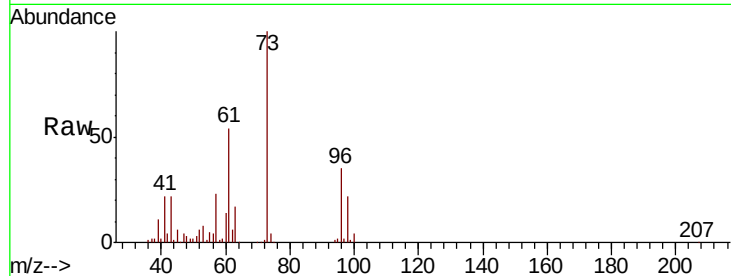
ClientSampleId :

FA19-MMW0422MS

Tot Ion:	96	Resp:	239722
Ion	Ratio	Lower	Upper
96	100		
61	154.6	126.7	190.1
98	62.9	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.009 ug/l

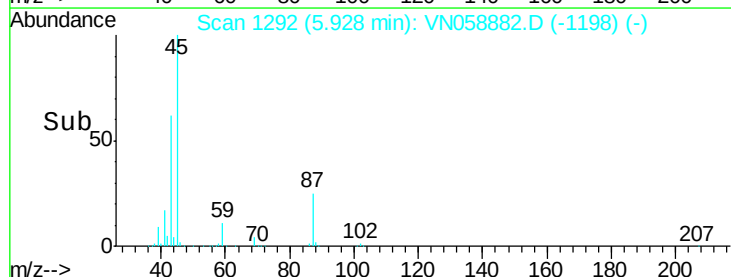
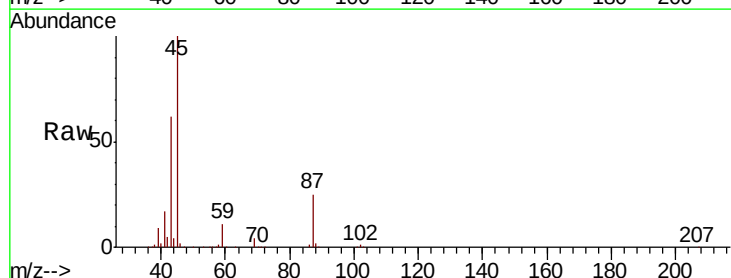
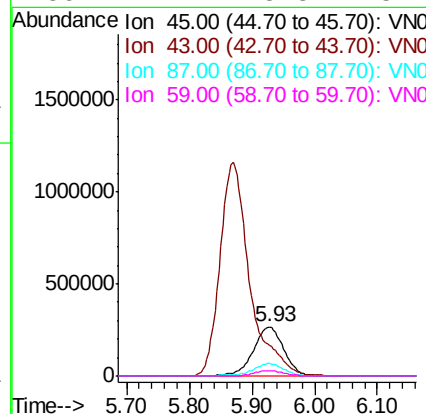
RT: 5.93 min Scan# 1292

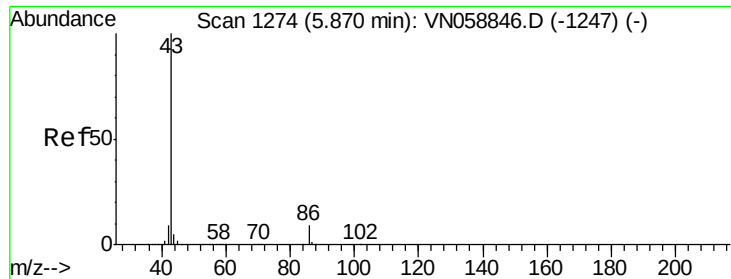
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:	45	Resp:	897188
Ion	Ratio	Lower	Upper
45	100		
43	61.1	52.9	79.3
87	24.9	20.2	30.4
59	11.1	8.8	13.2





#23

Vinyl Acetate

Concen: 275.873 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 43 Resp: 3823486

Ion Ratio Lower Upper

43 100

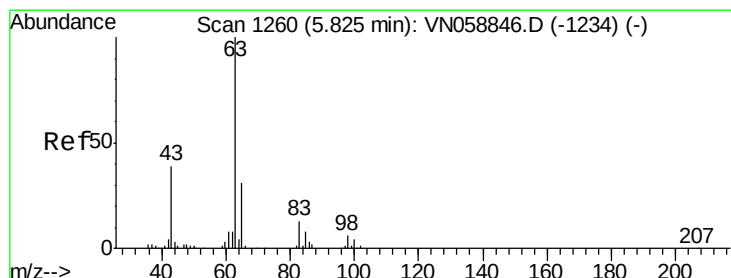
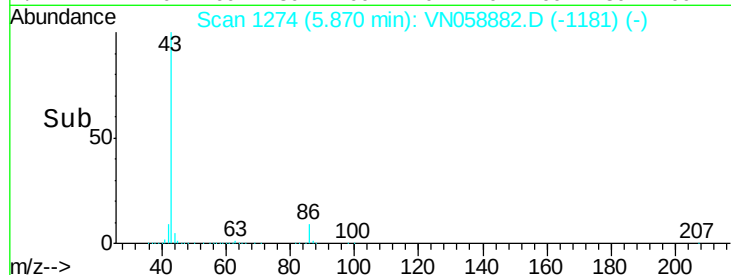
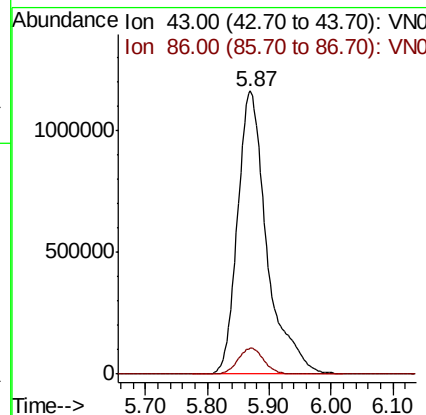
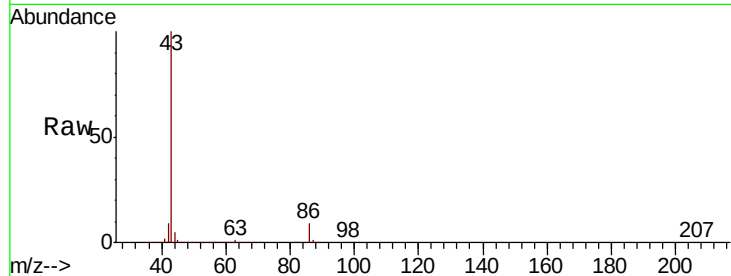
86 9.2 7.2 10.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 49.091 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

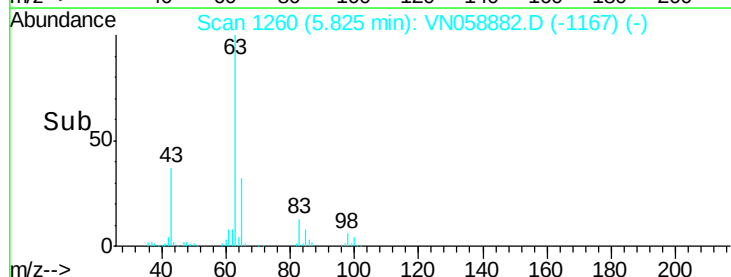
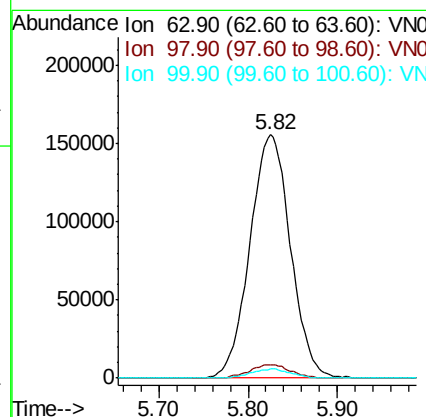
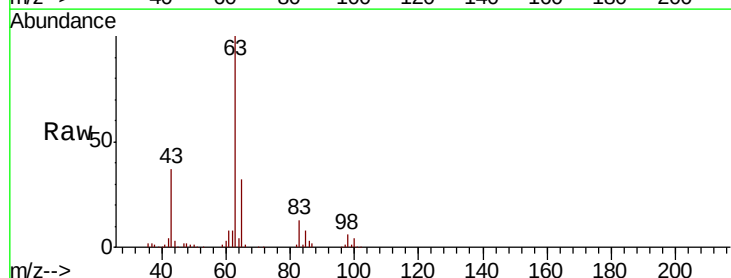
Tgt Ion: 63 Resp: 491039

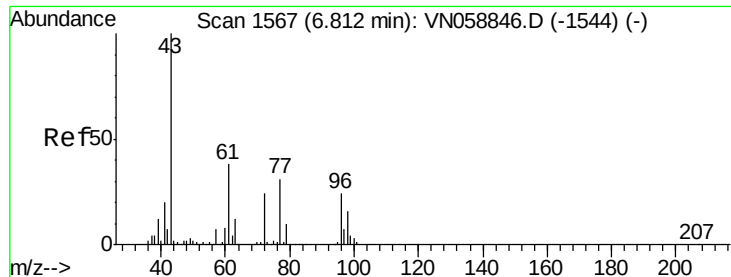
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.7 1.9 5.7





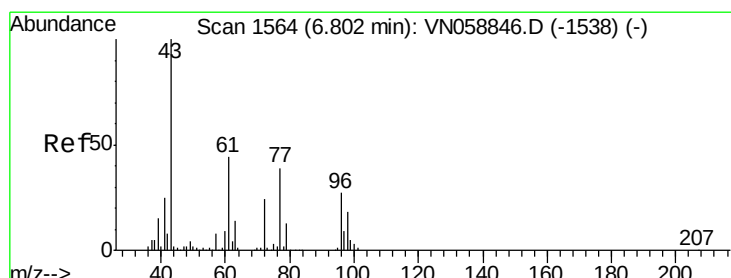
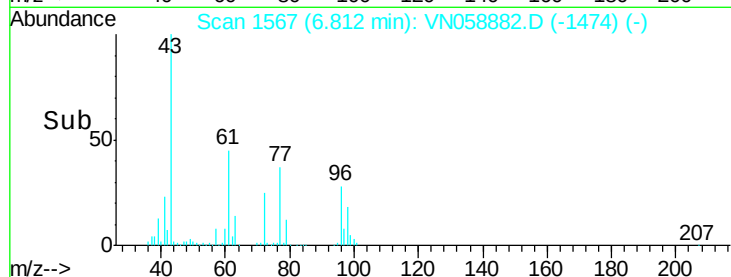
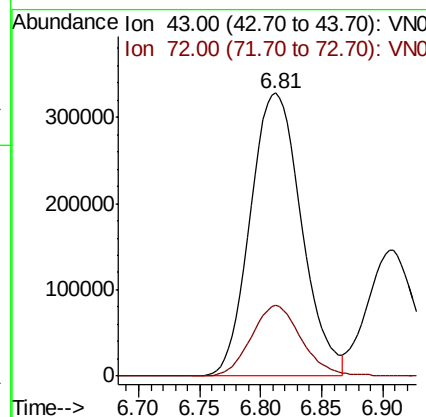
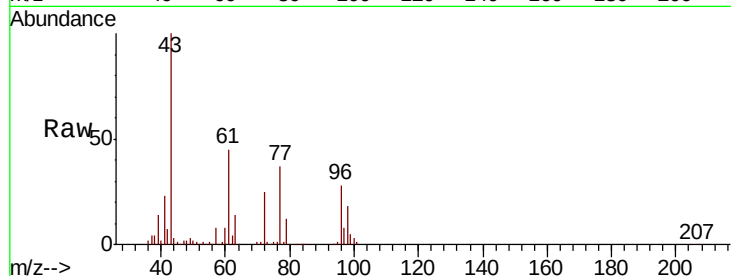
#25
2-Butanone
Concen: 229.011 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion: 43 Resp: 952540
Ion Ratio Lower Upper
43 100
72 25.0 19.1 28.7

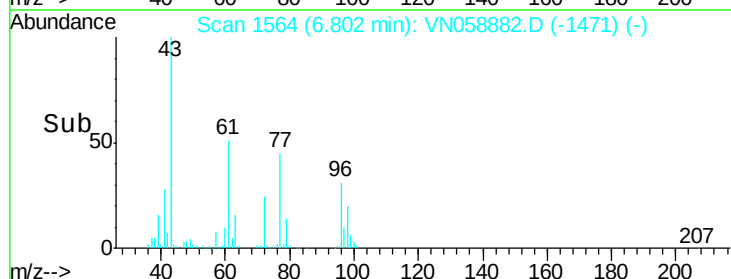
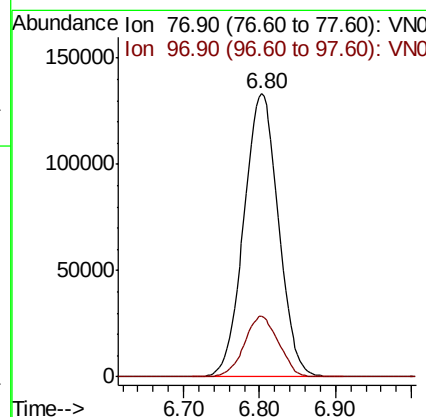
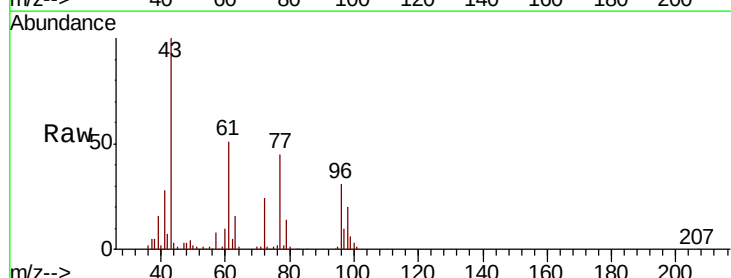
Manual Integrations
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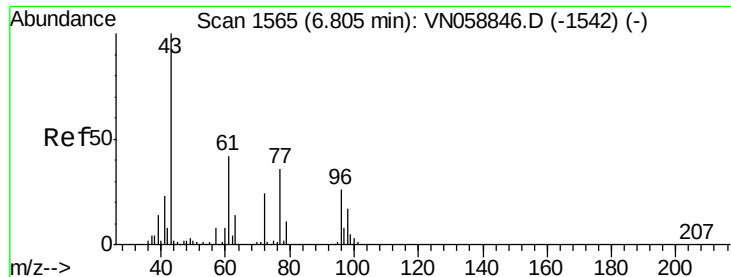
MMDadoda
10/22/2019 4:55:29 PM



#26
2,2-Dichloropropane
Concen: 48.829 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 77 Resp: 422465
Ion Ratio Lower Upper
77 100
97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.215 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

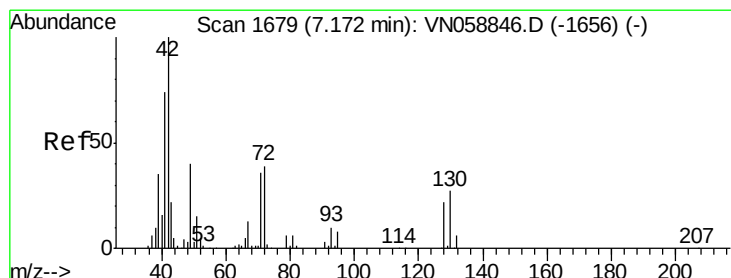
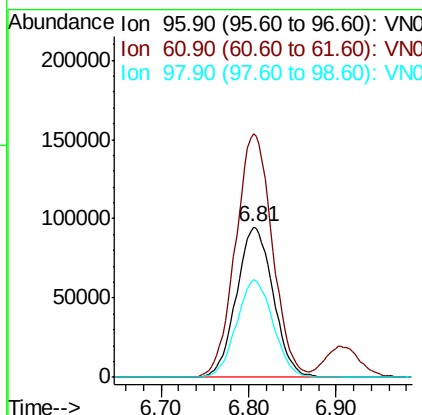
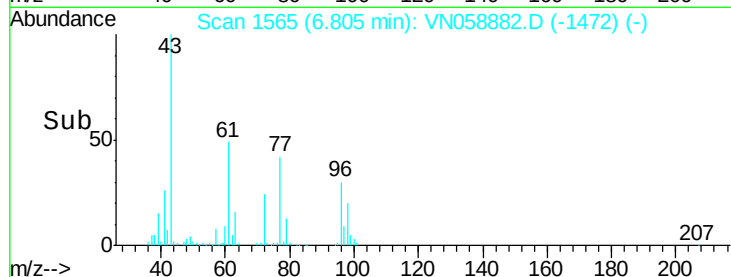
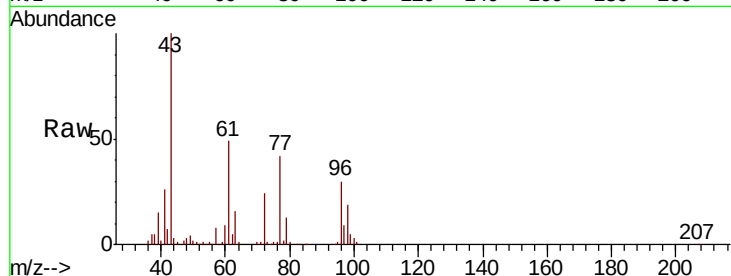
ClientSampleId :

FA19-MMW0422MS

Tot Ion:	96	Resp:	276107
Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	325.0
98	64.7	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 48.892 ug/l

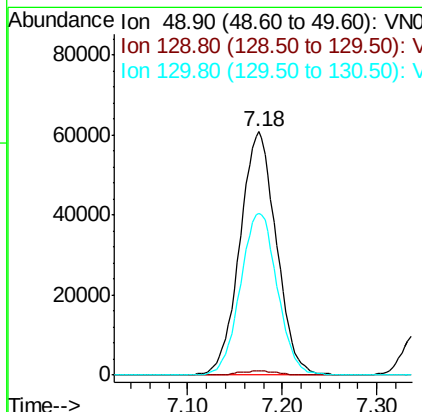
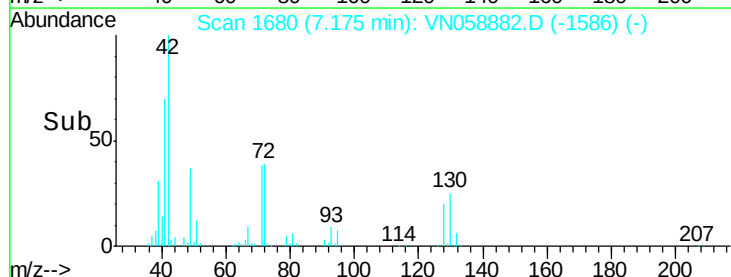
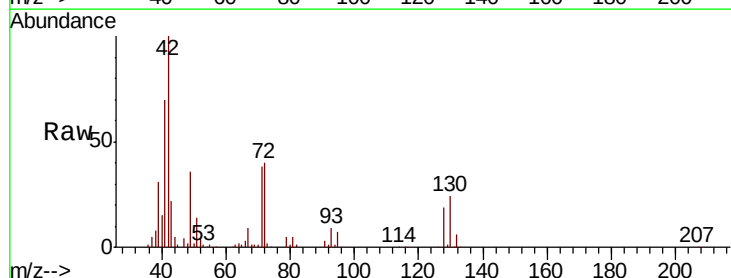
RT: 7.18 min Scan# 1680

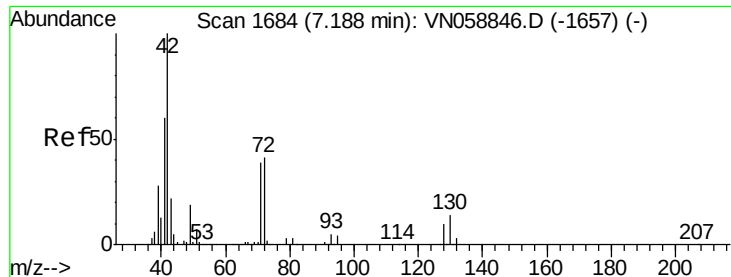
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:	49	Resp:	162874
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	67.2	53.5	80.3





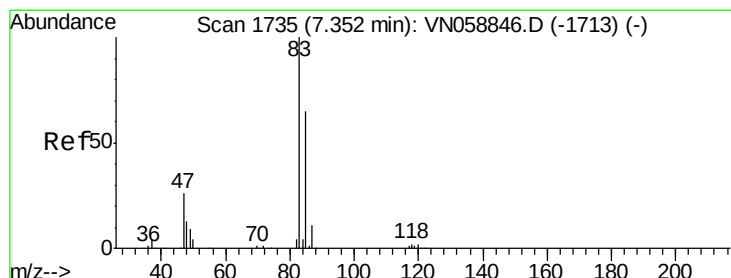
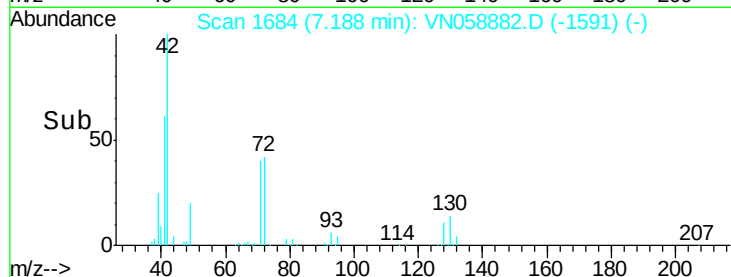
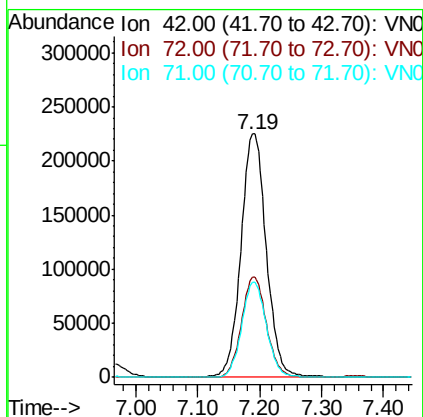
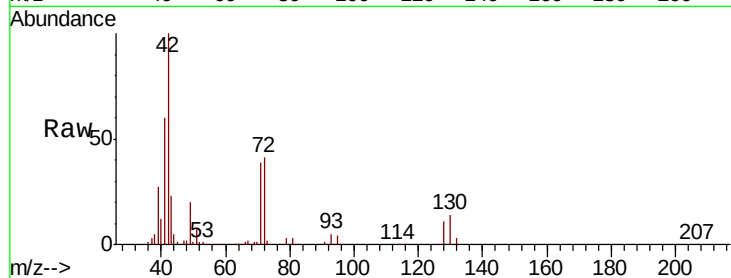
#29
Tetrahydrofuran
Concen: 251.054 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.2
71	38.1	30.6	45.8

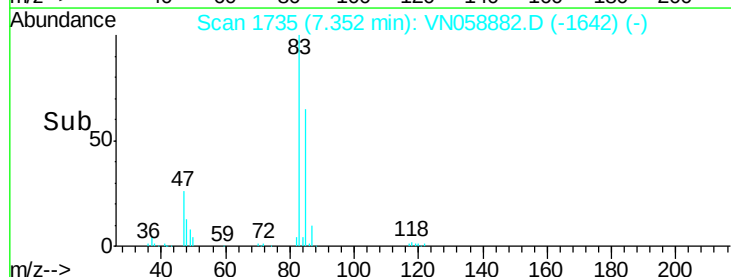
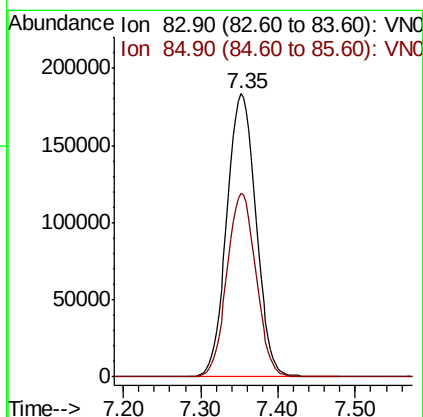
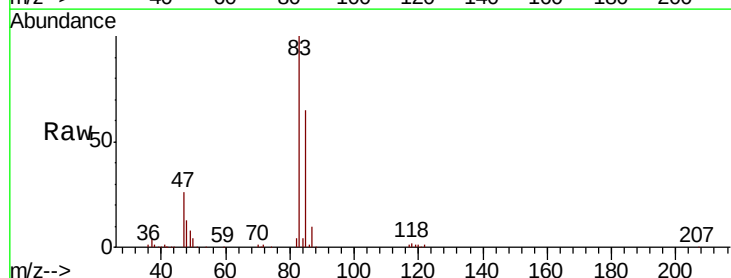
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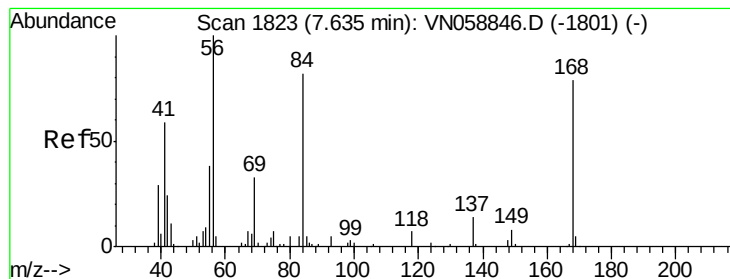
MMDadoda
10/22/2019 4:55:29 PM



#30
Chloroform
Concen: 47.839 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9





#31

Cyclohexane

Concen: 47.749 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058882.D

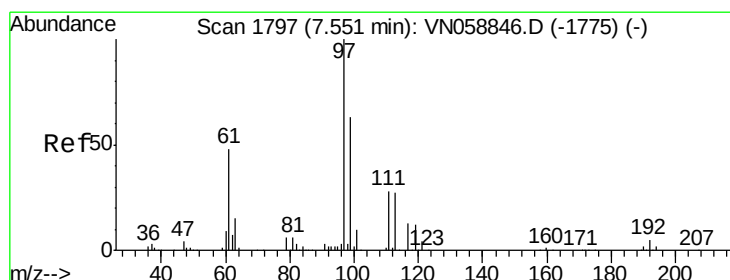
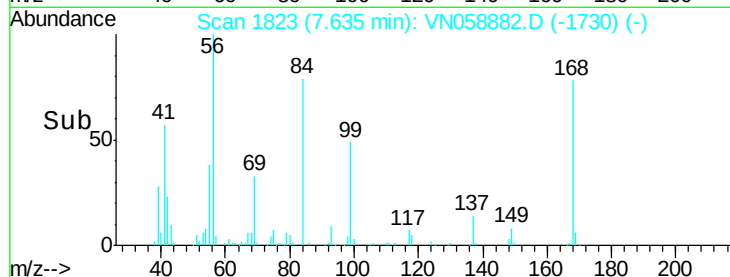
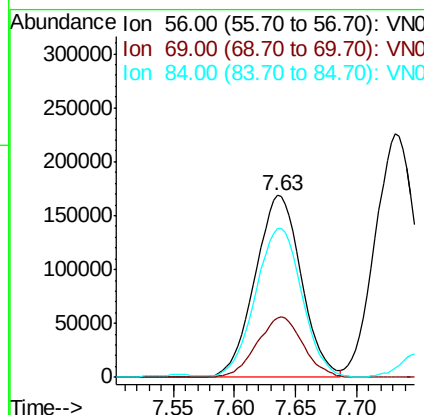
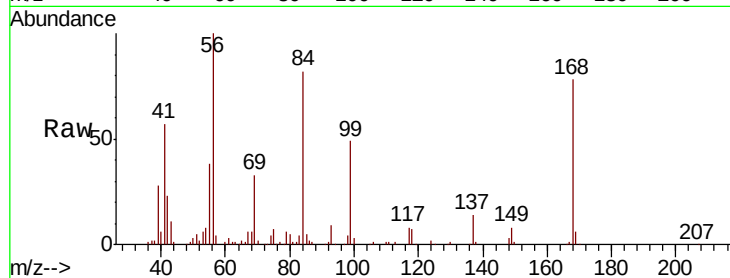
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion:	56	Resp:	444950
Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	80.4	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.642 ug/l

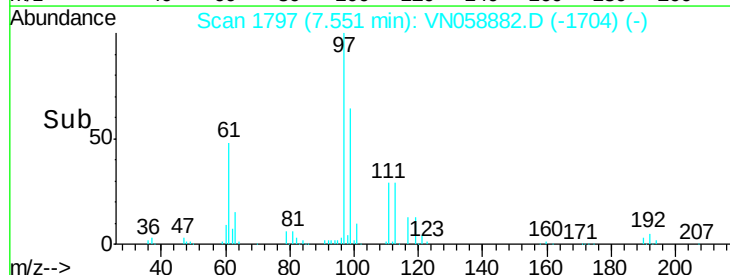
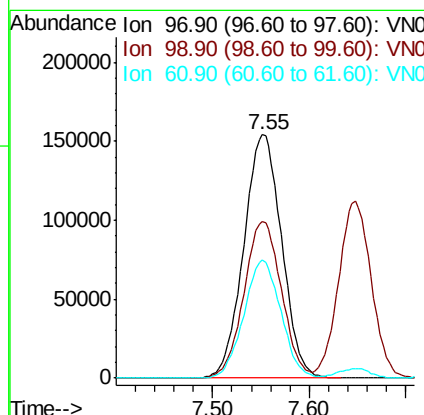
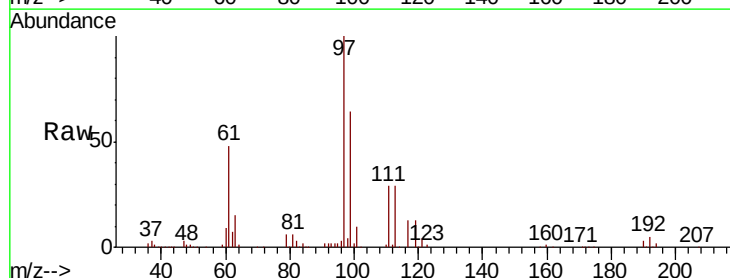
RT: 7.55 min Scan# 1797

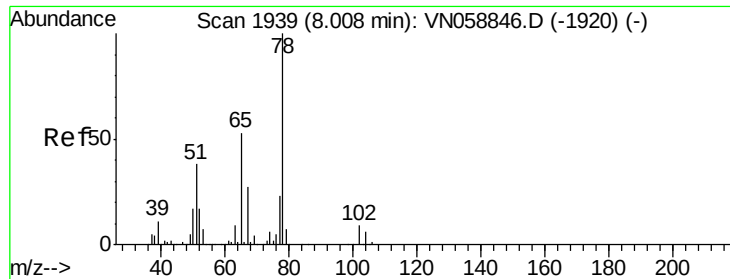
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:	97	Resp:	419840
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	47.3	38.6	58.0





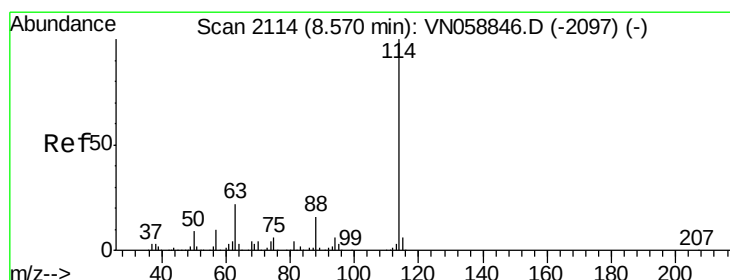
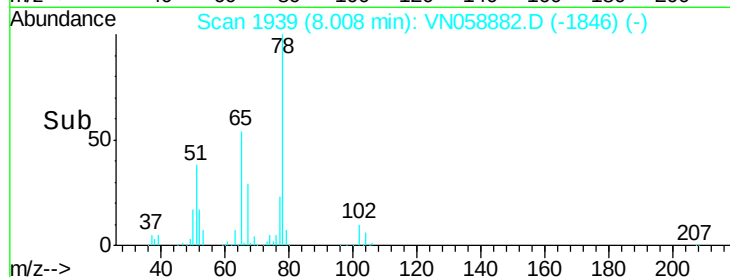
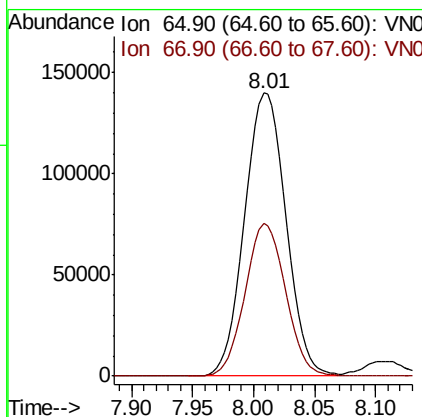
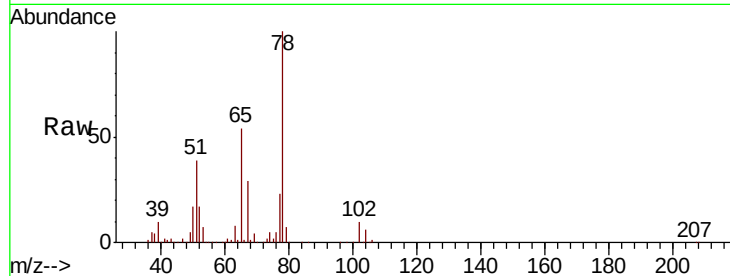
#33
 1,2-Dichloroethane-d4
 Concen: 50.777 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	329254		
67	52.8	0.0	103.2	

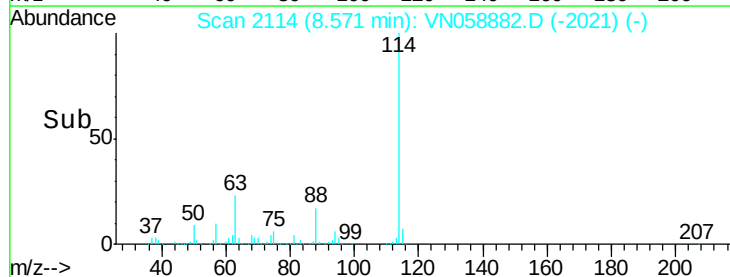
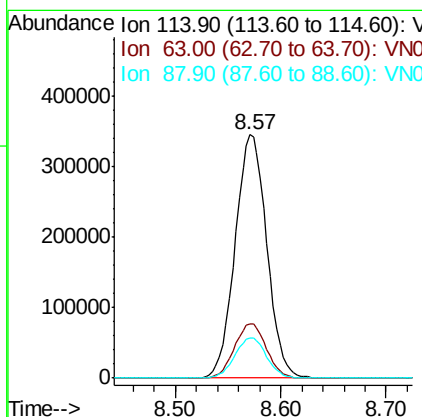
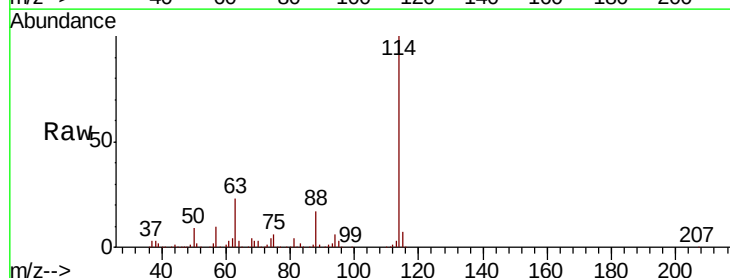
Manual Integrations
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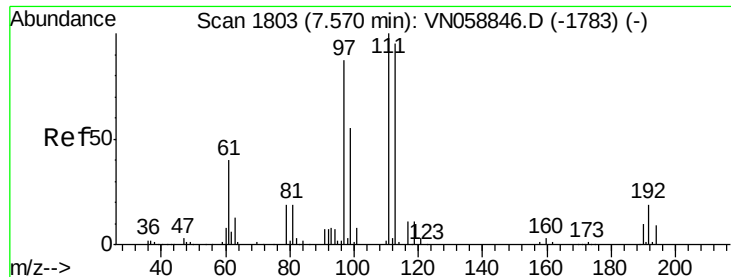
MMDadoda
 10/22/2019 4:55:29 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	718092		
63	22.5	0.0	44.4	
88	16.5	0.0	31.4	





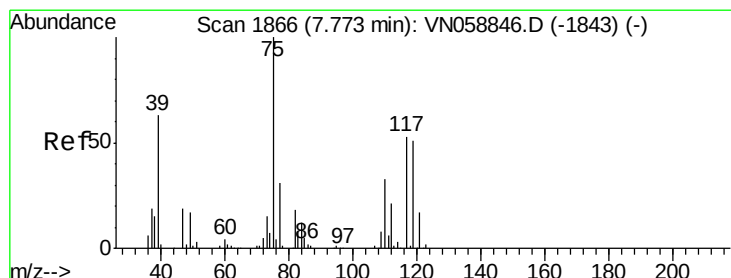
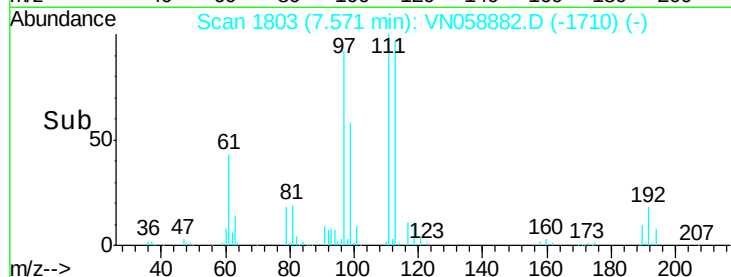
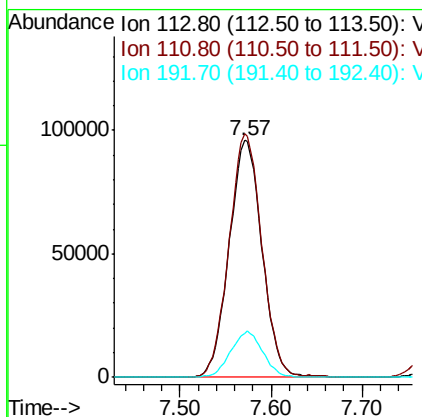
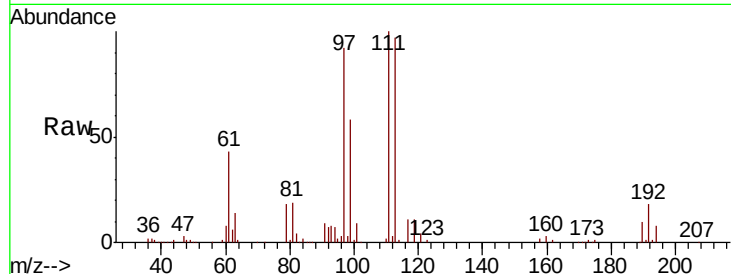
#35
Dibromofluoromethane
Concen: 51.016 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	240862		
111	102.1	82.0	123.0	
192	19.0	15.0	22.6	

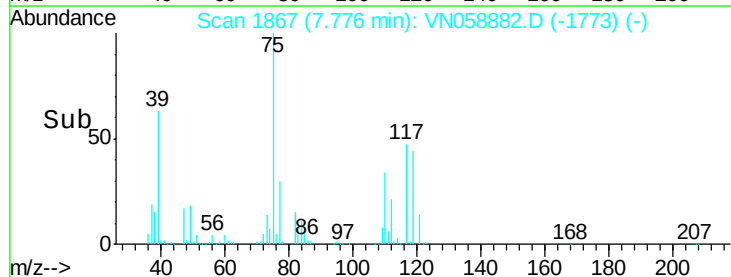
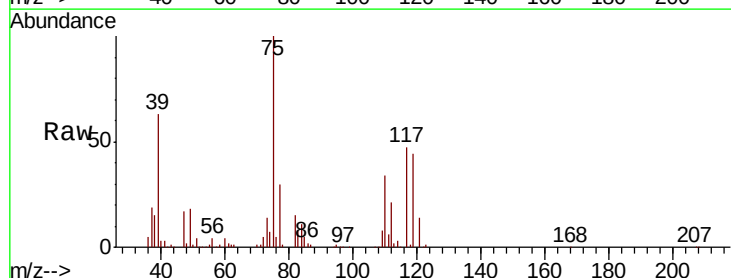
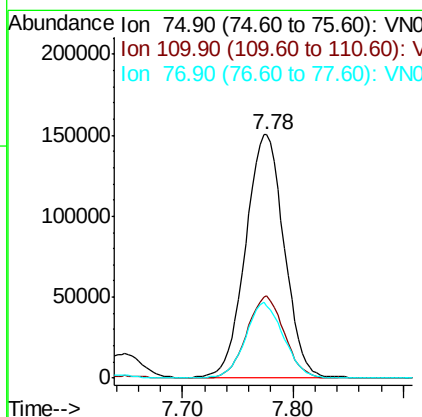
Manual Integrations
APPROVED

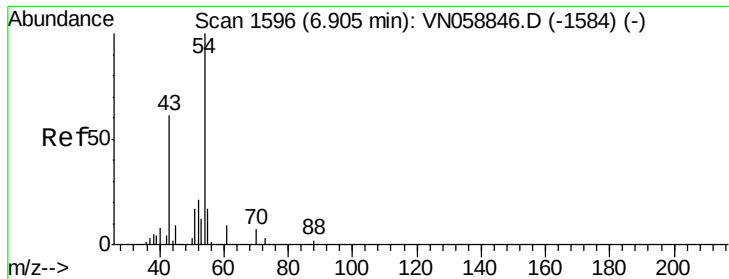
MMDadoda
10/22/2019 4:55:29 PM



#36
1,1-Dichloropropene
Concen: 49.311 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	362520		
110	33.1	16.3	48.9	
77	30.8	24.6	36.8	





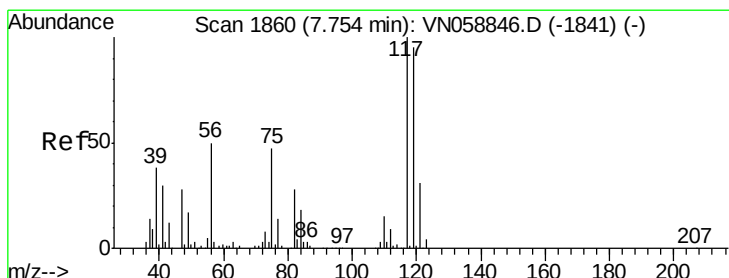
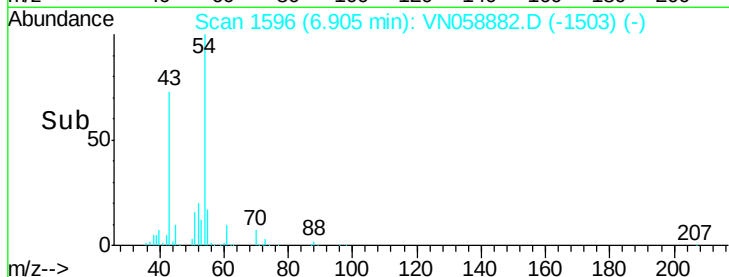
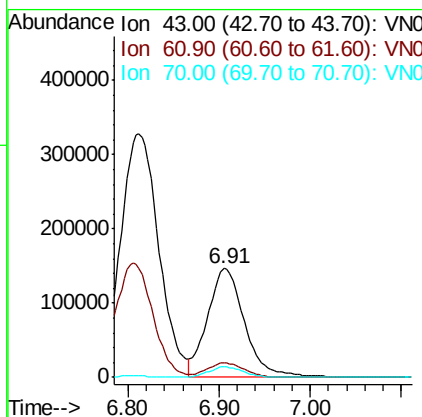
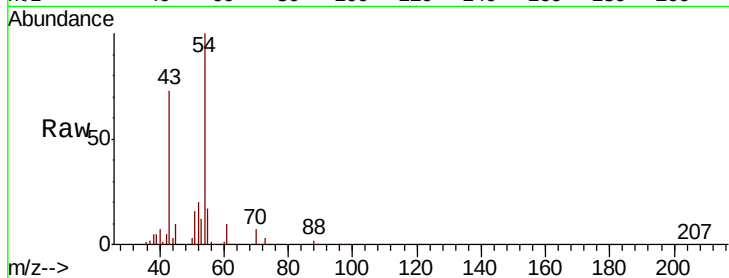
#37
Ethyl Acetate
Concen: 50.901 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.4	7.6	11.4

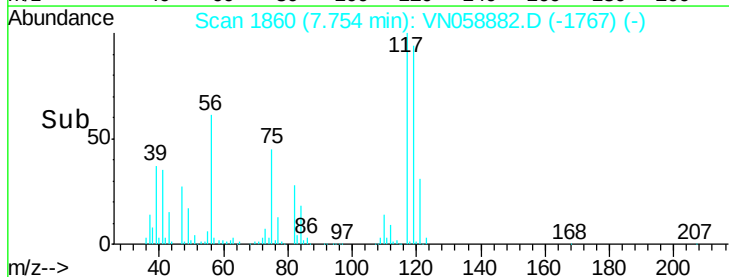
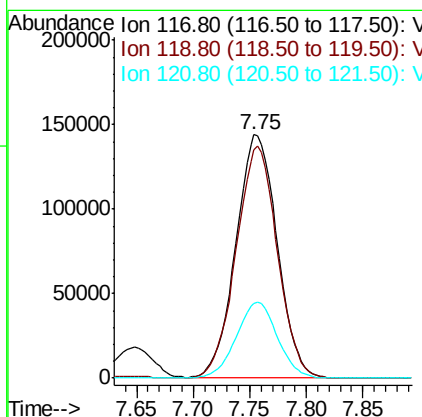
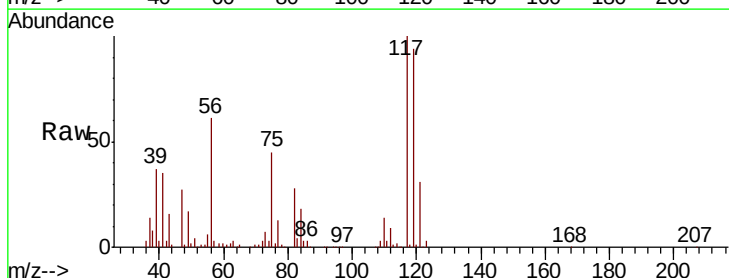
Manual Integrations
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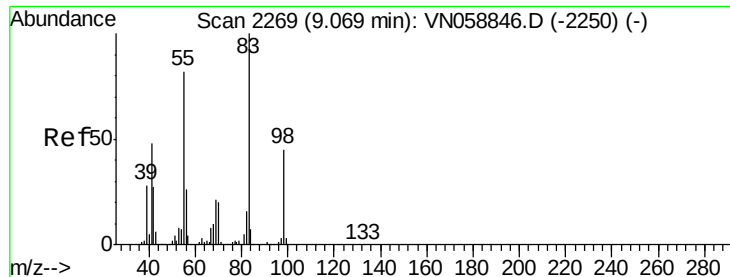
MMDadoda
10/22/2019 4:55:29 PM



#38
Carbon Tetrachloride
Concen: 48.269 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	30.9	25.0	37.6





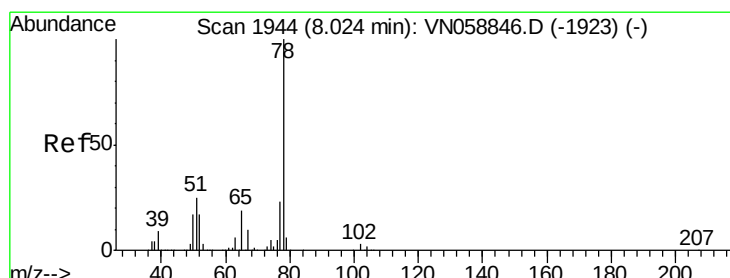
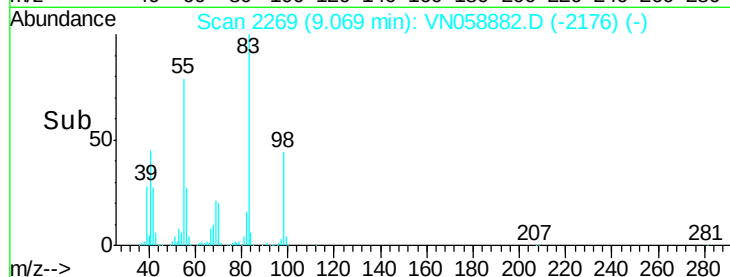
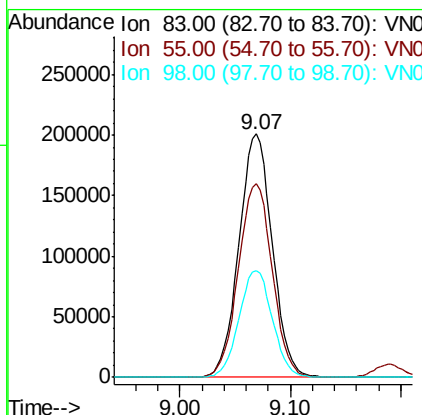
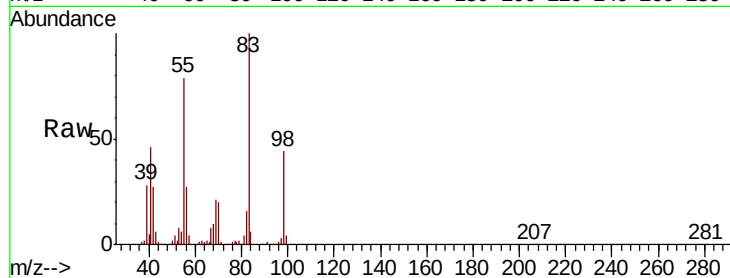
#39
Methylvlcyclohexane
Concen: 50.980 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	65.5	98.3
98	44.0	35.7	53.5

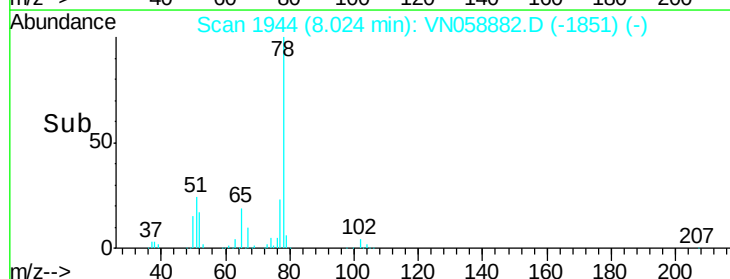
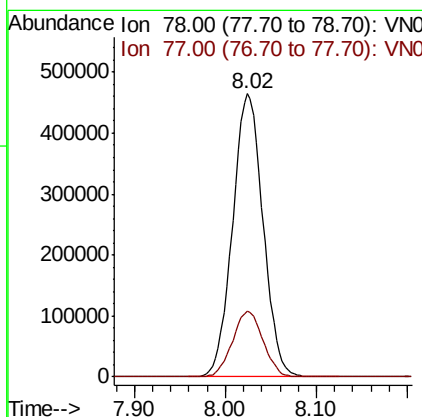
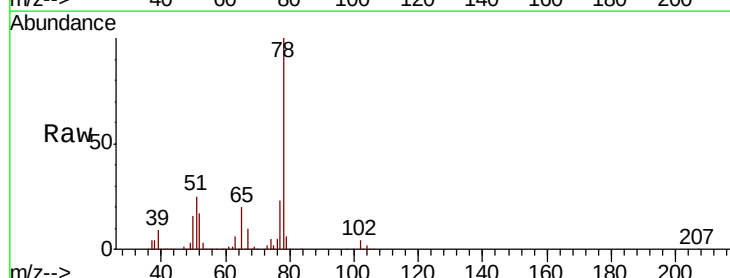
Manual Integrations
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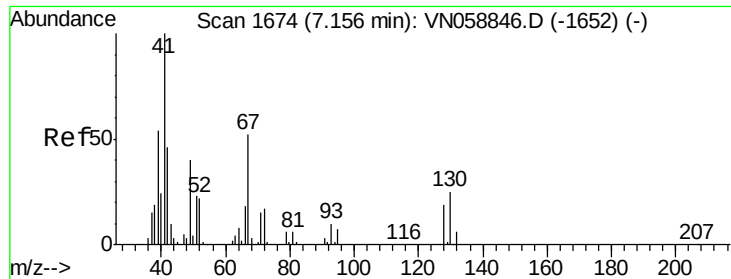
MMDadoda
10/22/2019 4:55:29 PM



#40
Benzene
Concen: 49.996 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.2





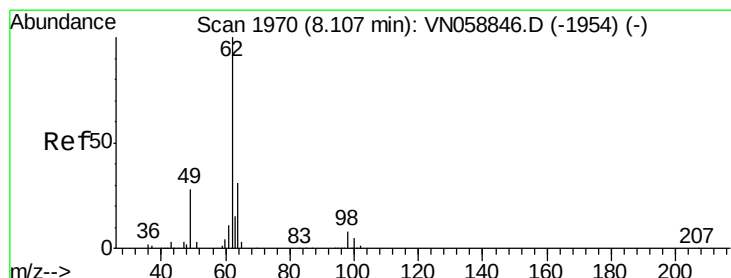
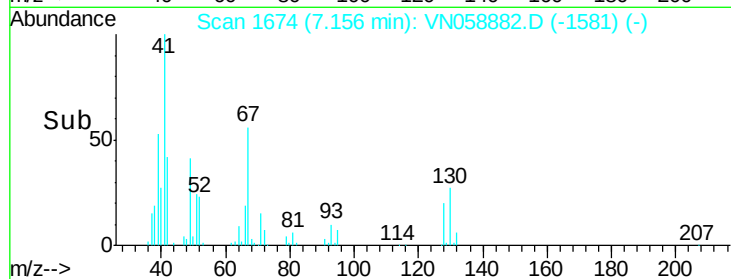
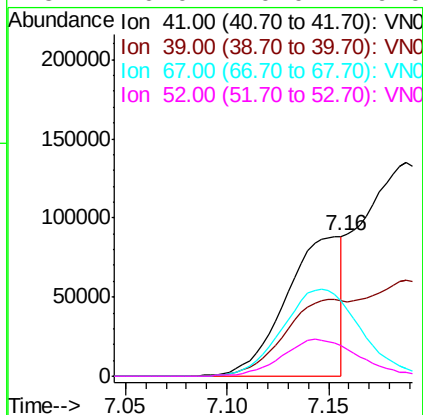
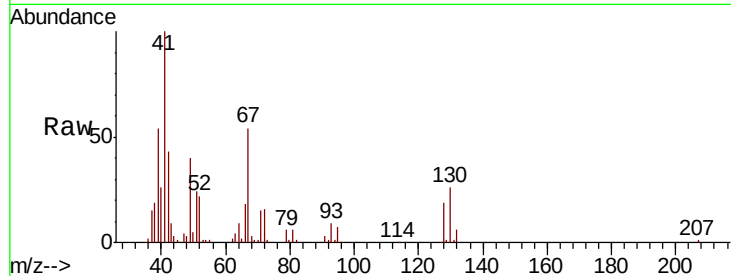
#41
Methacrylonitrile
Concen: 46.902 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		167337		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

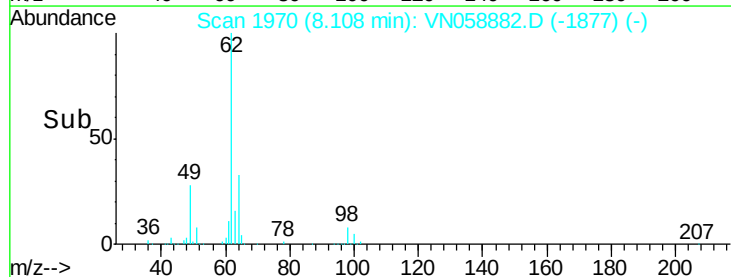
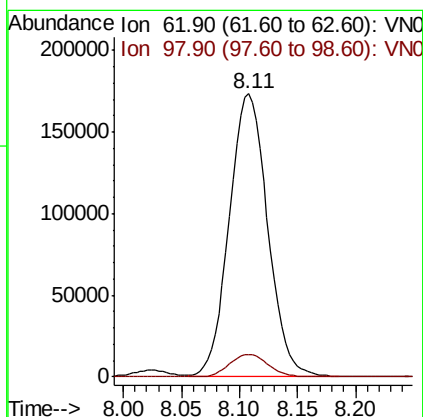
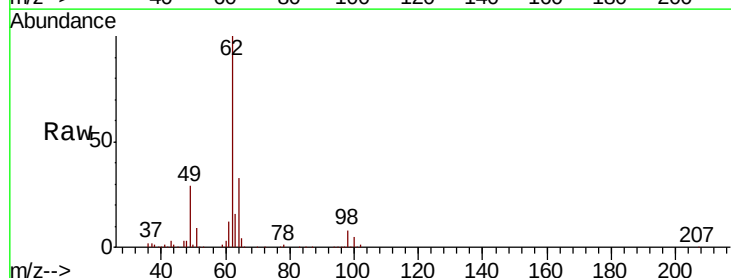
Manual Integrations
APPROVED

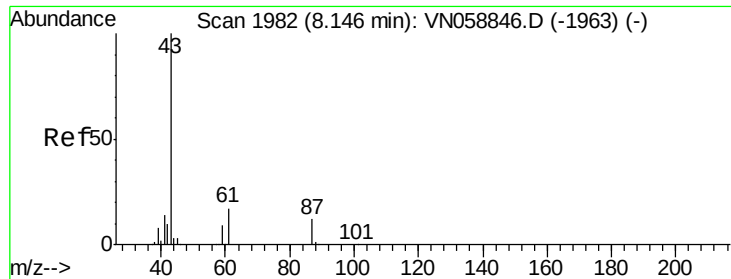
MMDadoda
10/22/2019 4:55:29 PM



#42
1,2-Dichloroethane
Concen: 47.684 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		396543		
98	8.0	0.0	16.2		





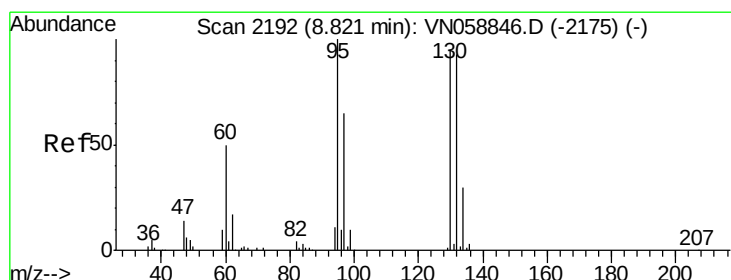
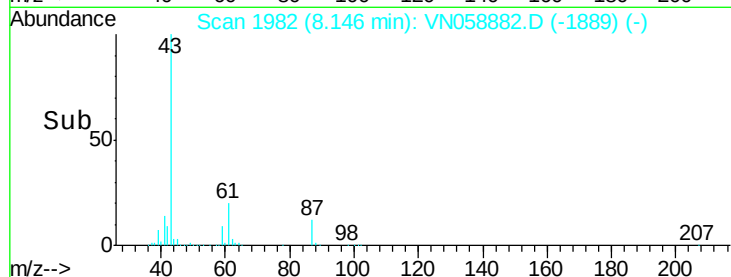
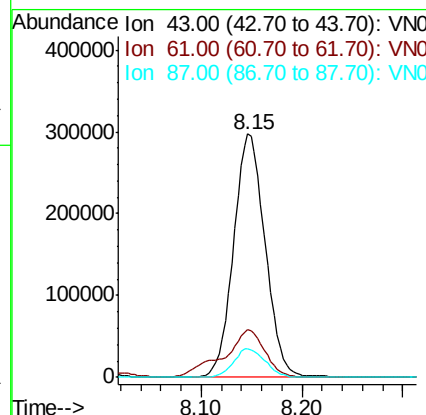
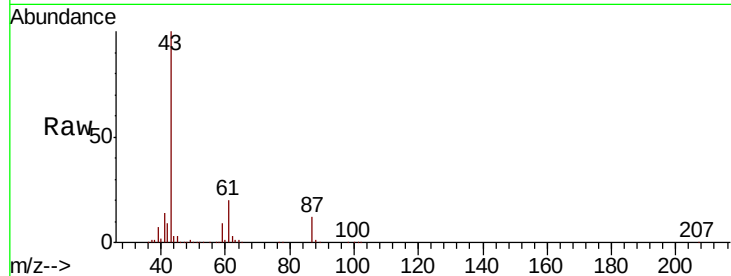
#43
Isopropyl Acetate
Concen: 50.182 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.2	30.2
87	11.8	9.5	14.3

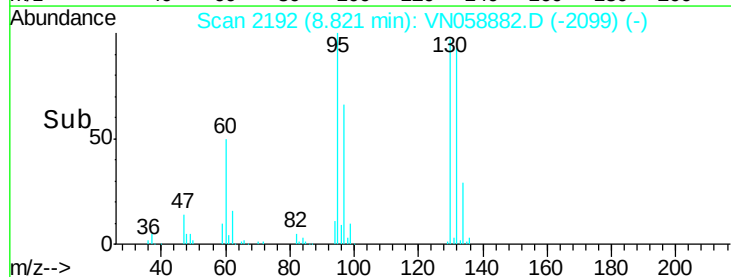
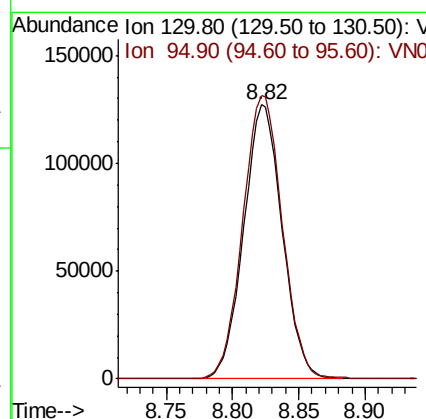
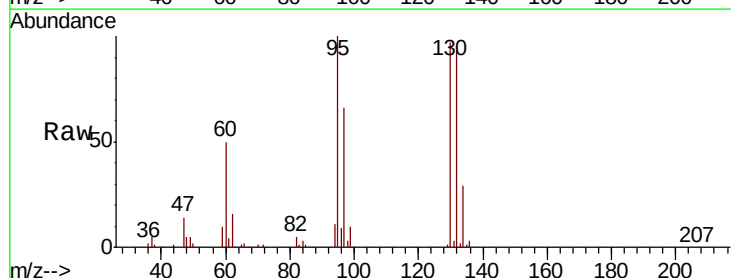
Manual Integrations
APPROVED

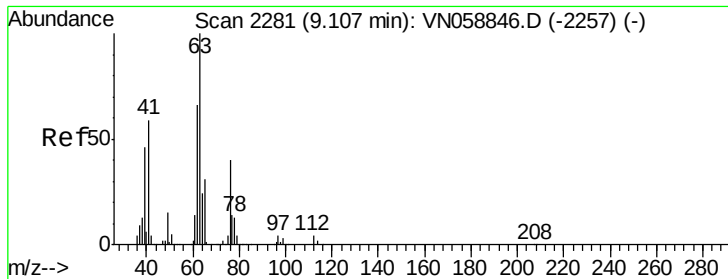
MMDadoda
10/22/2019 4:55:29 PM



#44
Trichloroethene
Concen: 48.759 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	209.6





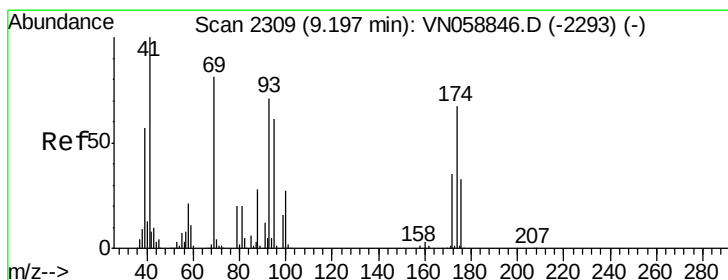
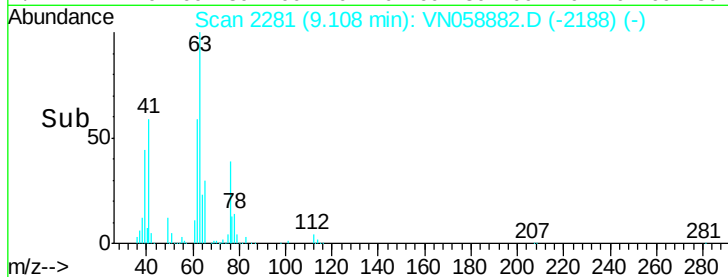
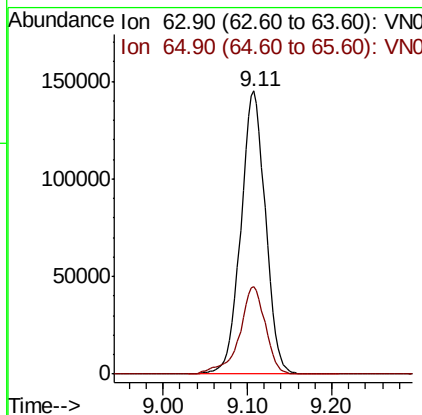
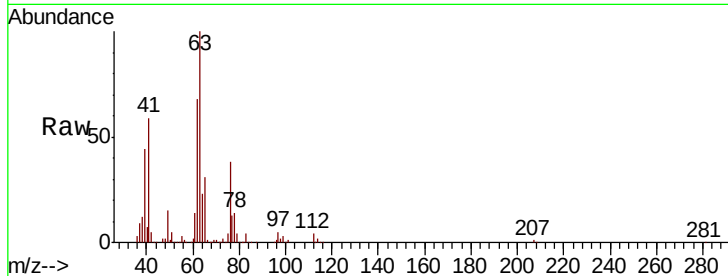
#45
 1,2-Dichloropropane
 Concen: 49.973 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.5	36.7

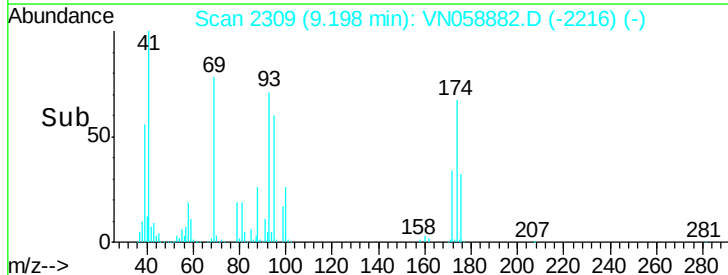
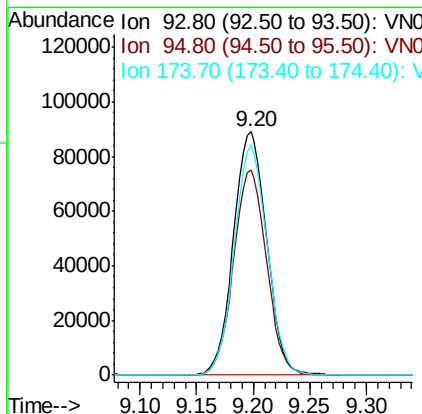
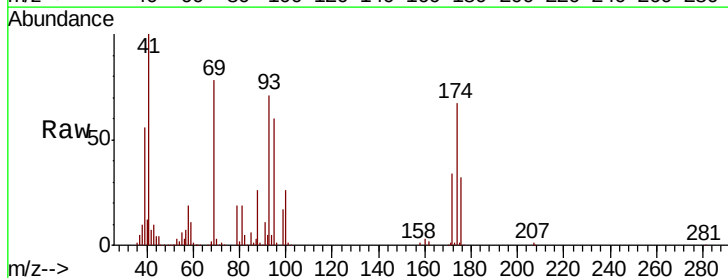
Manual Integrations
 APPROVED

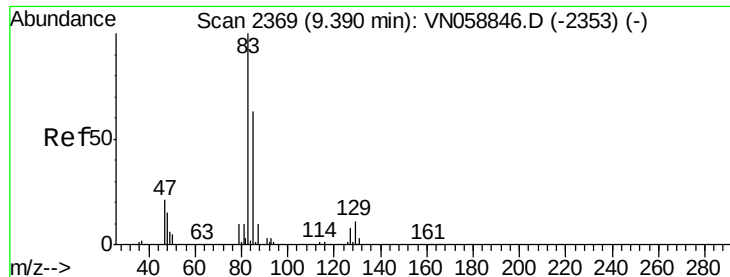
MMDadoda
 10/22/2019 4:55:29 PM



#46
 Dibromomethane
 Concen: 48.766 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	67.6	101.4
174	93.6	74.1	111.1





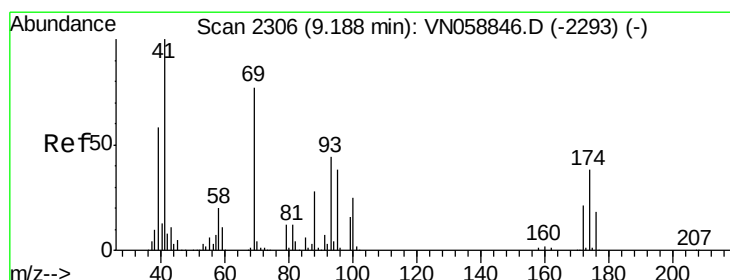
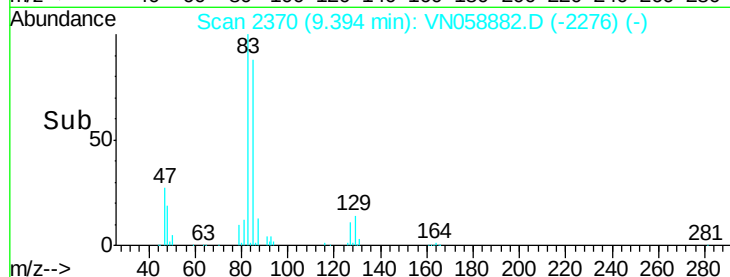
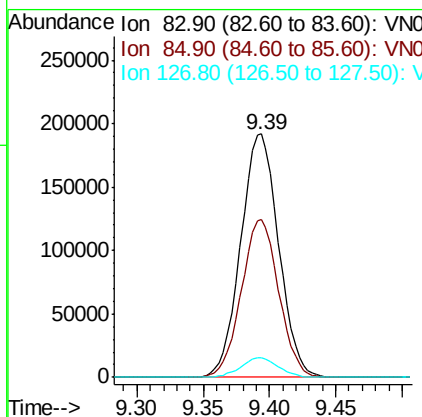
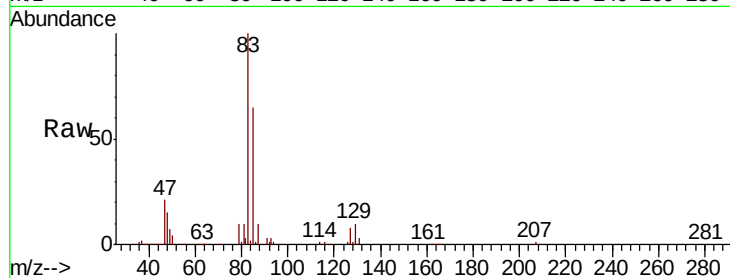
#47
Bromodichloromethane
Concen: 49.311 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	83	Resp	380350
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	50.6	75.8
127	8.1	6.5	9.7

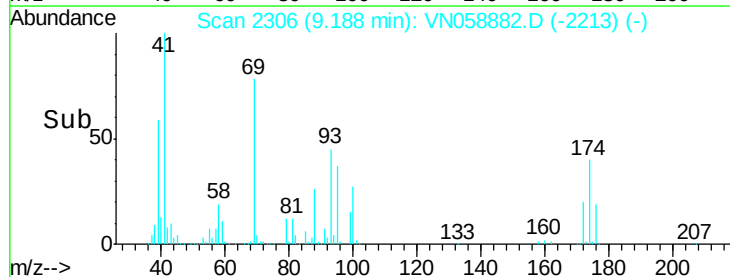
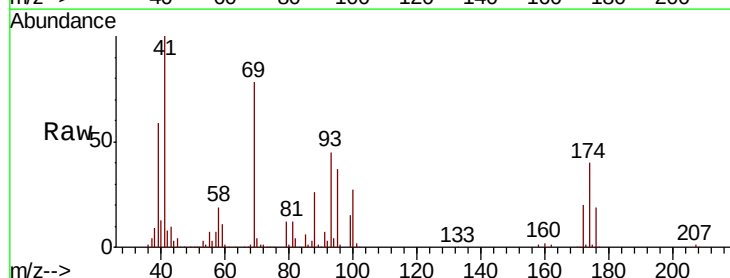
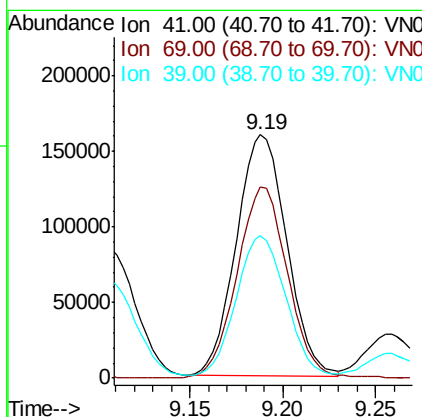
Manual Integrations
APPROVED

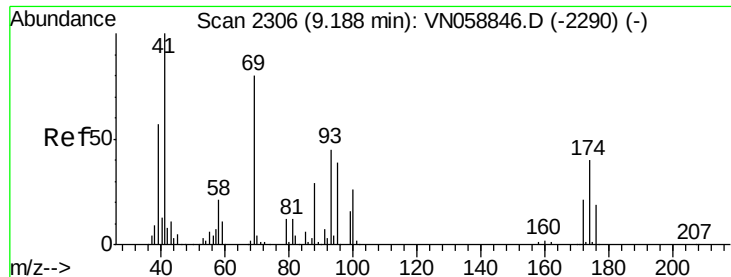
MMDadoda
10/22/2019 4:55:29 PM



#48
Methyl methacrylate
Concen: 51.512 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	41	Resp	300257
Ion Ratio	100	Lower	Upper
41	100		
69	80.2	63.8	95.6
39	59.0	47.8	71.8





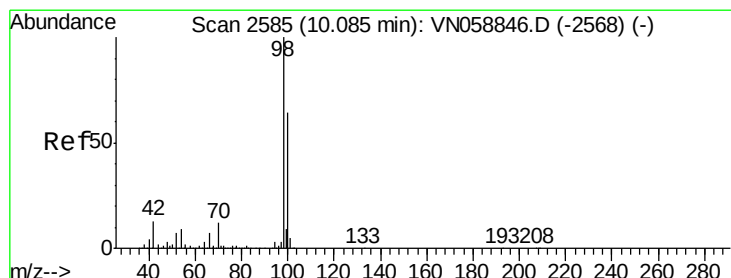
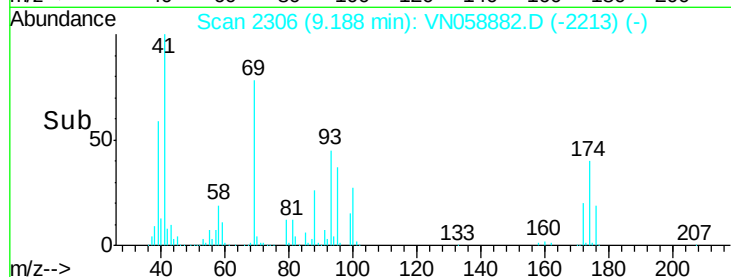
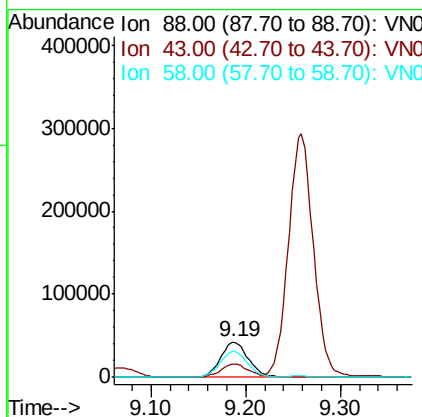
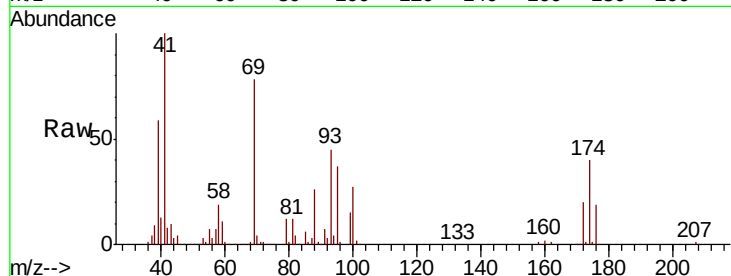
#49
1,4-Dioxane
Concen: 915.925 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.1	43.7
58	72.7	59.4	89.0

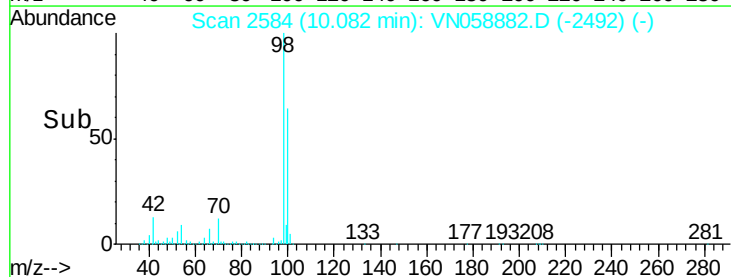
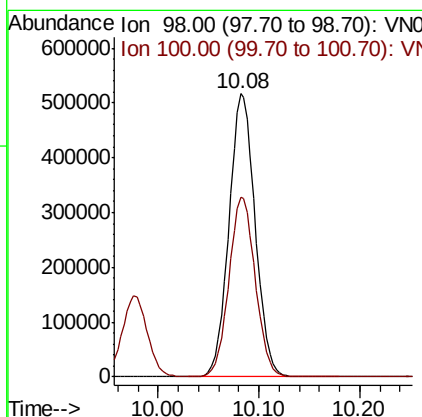
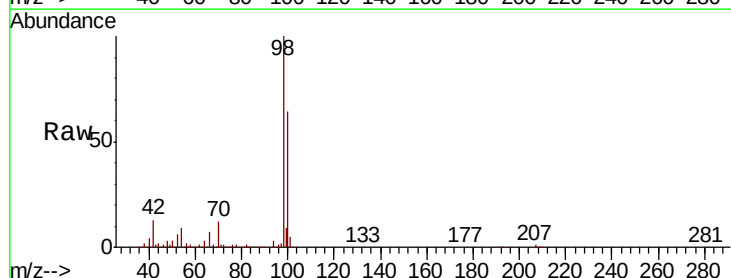
Manual Integrations
APPROVED

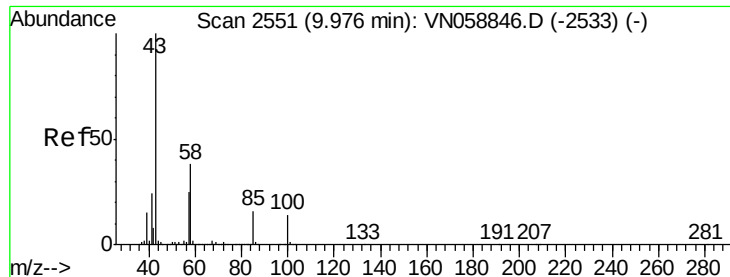
MMDadoda
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#50
Toluene-d8
Concen: 51.007 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 265.914 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 43 Resp: 1995418

Ion Ratio Lower Upper

43 100

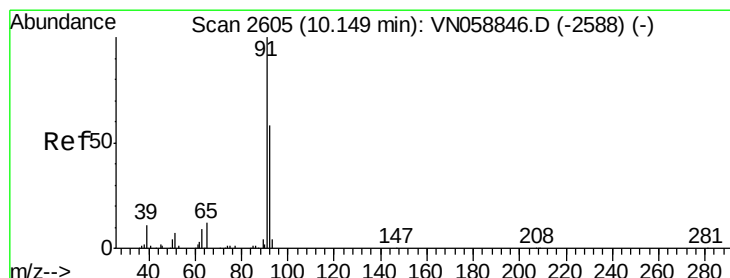
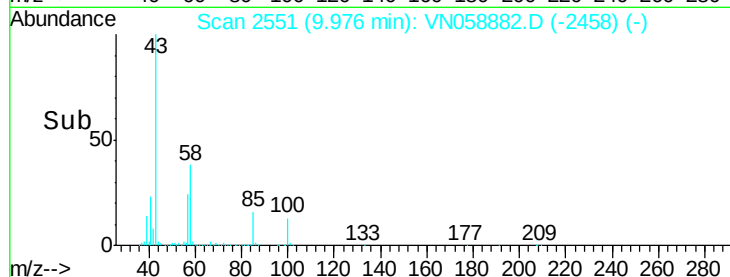
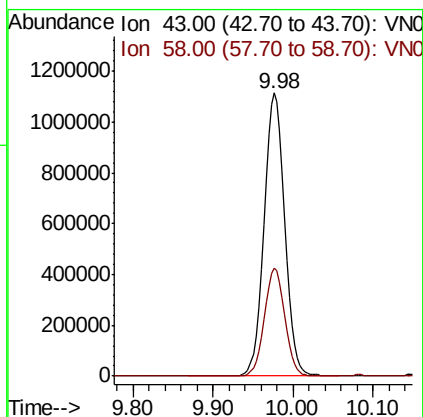
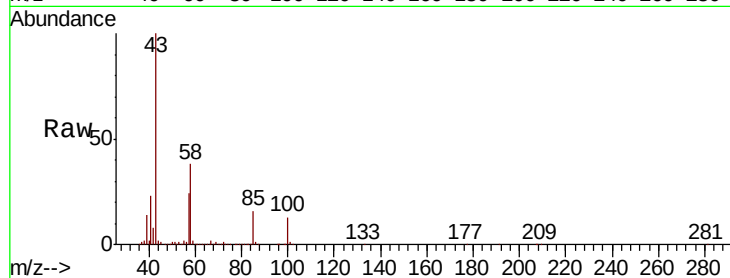
58 37.8 29.9 44.9

Manual Integrations

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#52

Toluene

Concen: 51.306 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058882.D

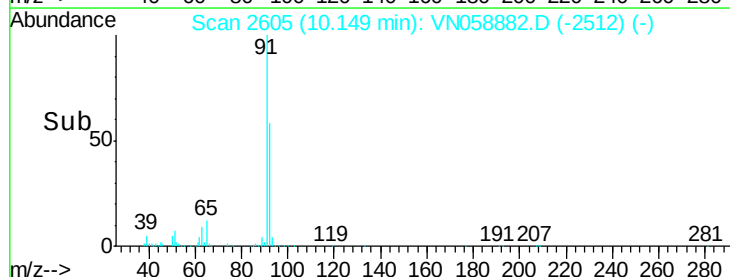
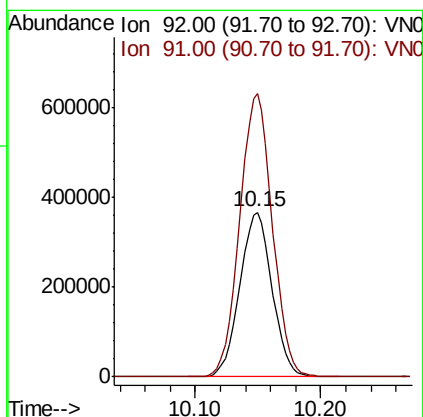
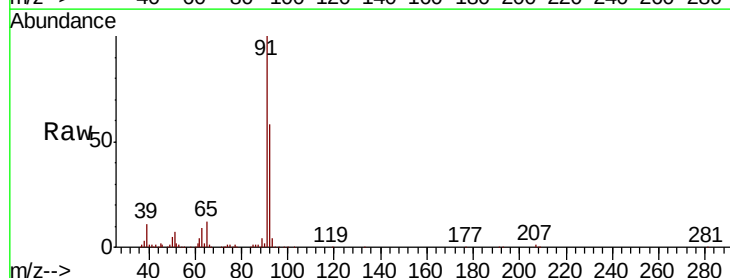
Acq: 21 Oct 2019 12:55

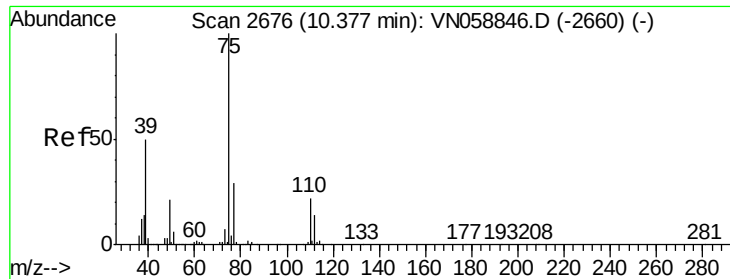
Tgt Ion: 92 Resp: 656829

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 51.085 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 75 Resp: 436201

Ion Ratio Lower Upper

75 100

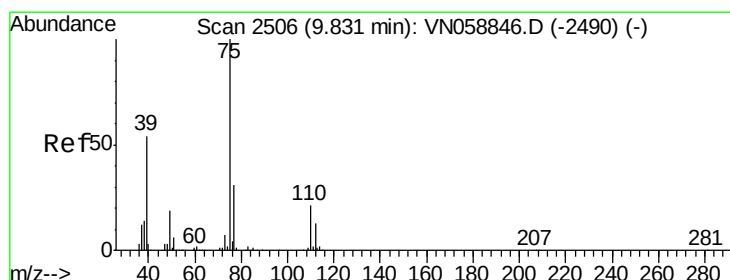
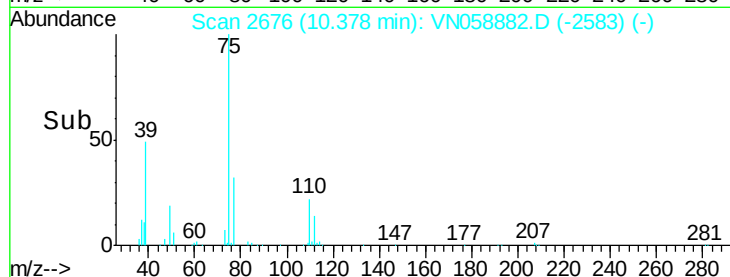
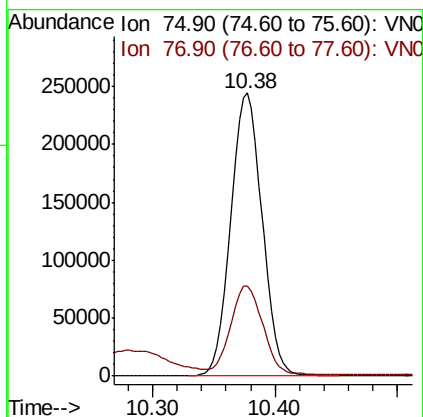
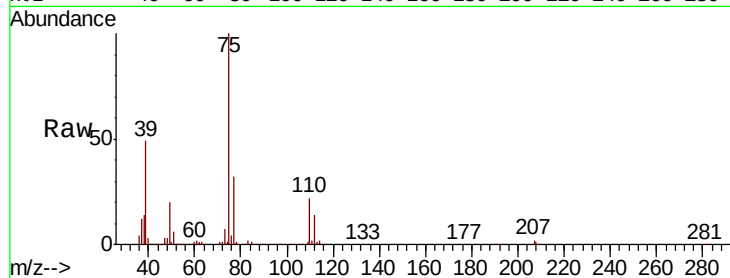
77 31.4 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.791 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

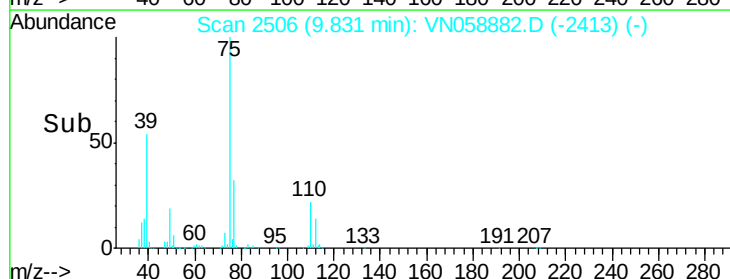
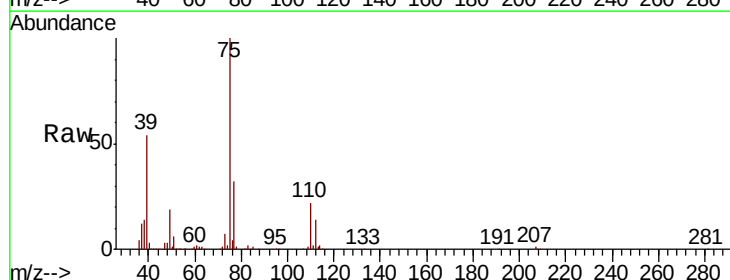
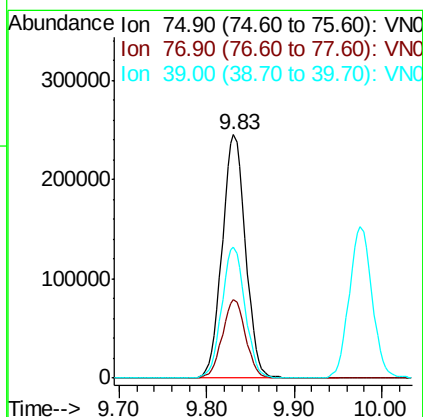
Tgt Ion: 75 Resp: 454225

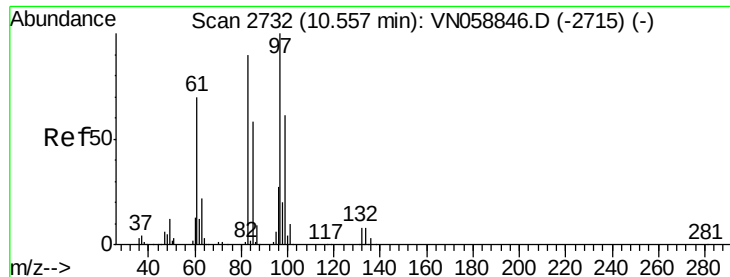
Ion Ratio Lower Upper

75 100

77 32.2 24.7 37.1

39 53.7 43.5 65.3





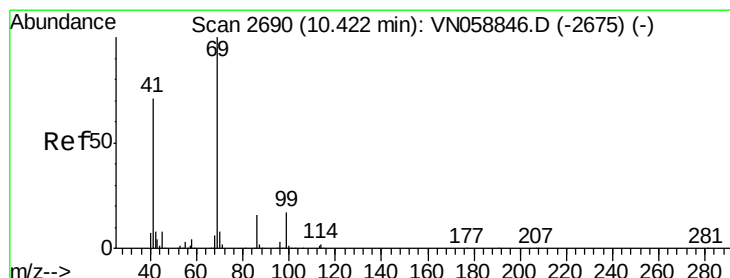
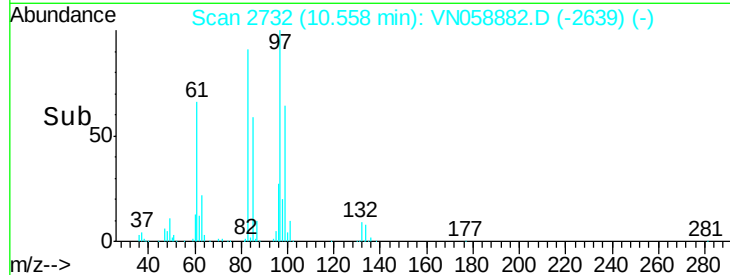
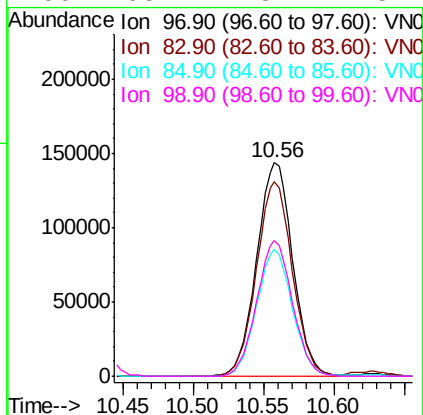
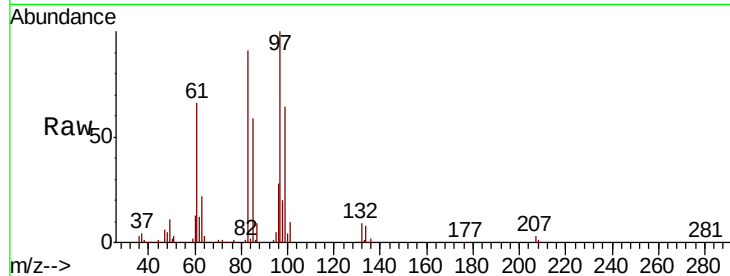
#55
 1,1,2-Trichloroethane
 Concen: 48.525 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion:	97	Resp:	255915
Ion	Ratio	Lower	Upper
97	100		
83	91.2	72.2	108.4
85	59.4	46.2	69.2
99	63.7	48.7	73.1

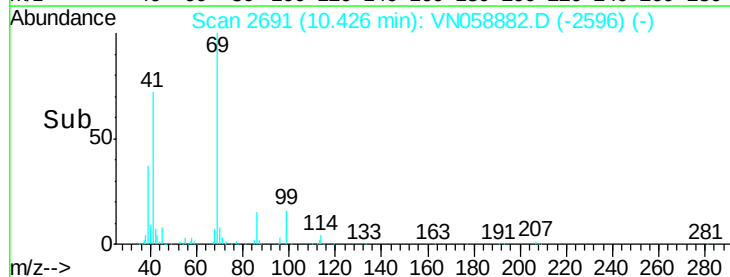
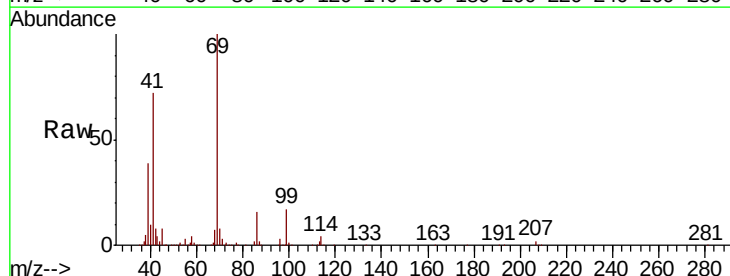
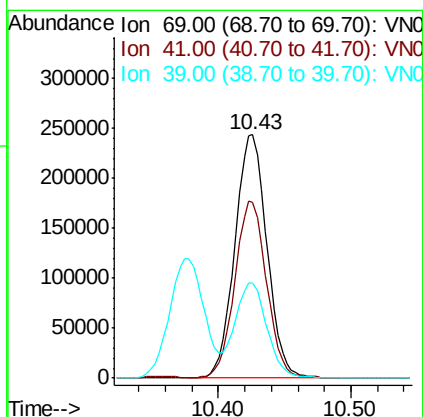
Manual Integrations
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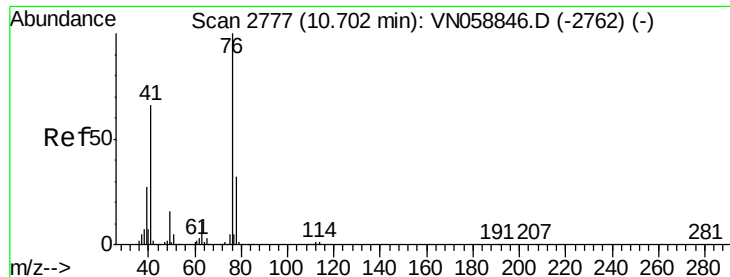
MMDadoda
 10/22/2019 4:55:29 PM



#56
 Ethyl methacrylate
 Concen: 46.416 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion:	69	Resp:	409812
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.2	85.8
39	39.3	31.0	46.4





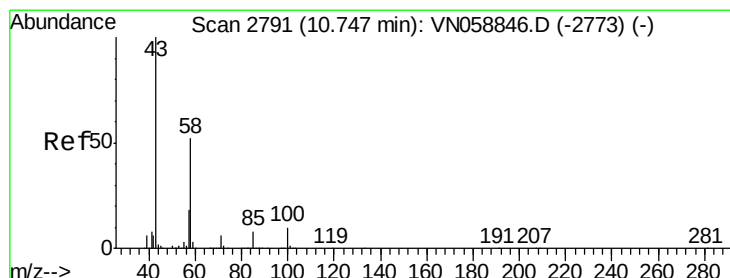
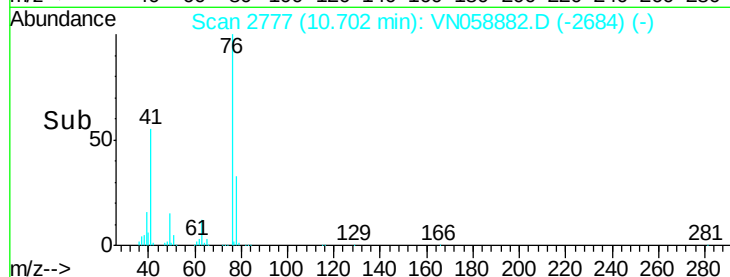
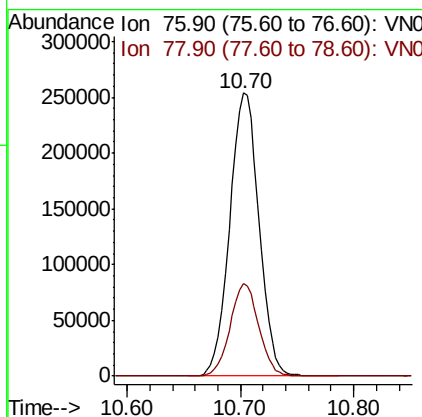
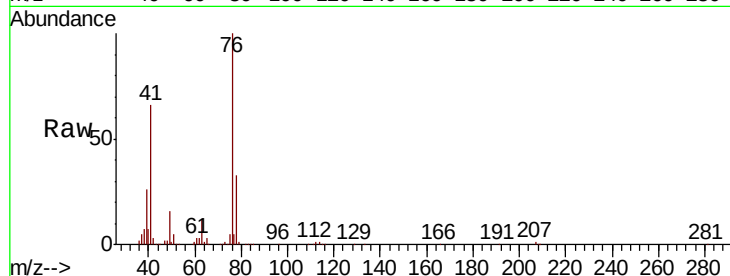
#57
 1,3-Dichloropropane
 Concen: 49.367 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.0

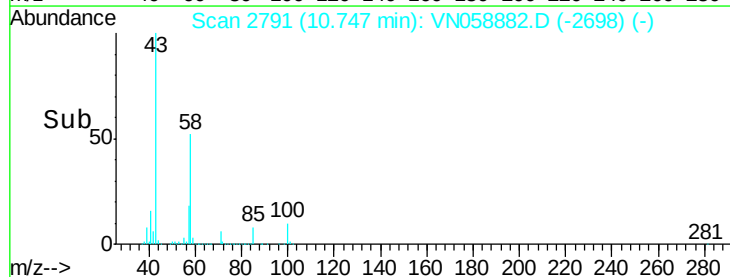
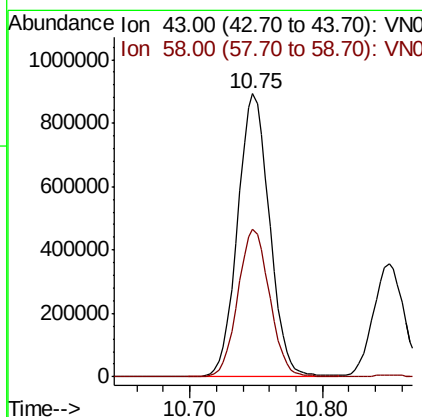
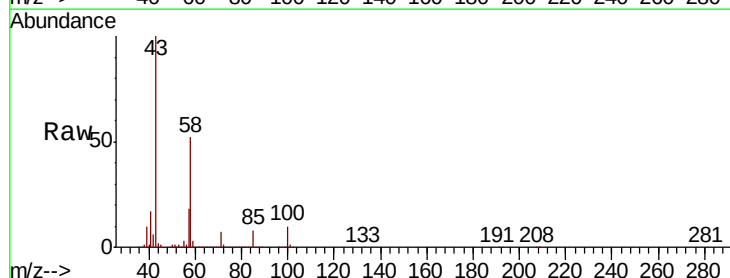
Manual Integrations
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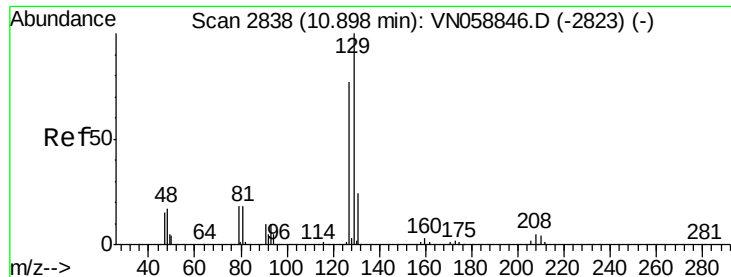
MMDadoda
 10/22/2019 4:55:29 PM



#59
 2-Hexanone
 Concen: 257.112 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.3	25.9	77.7





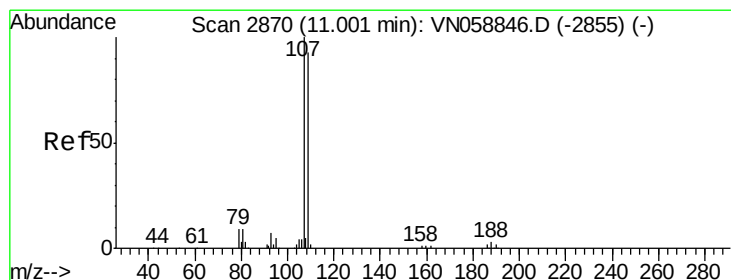
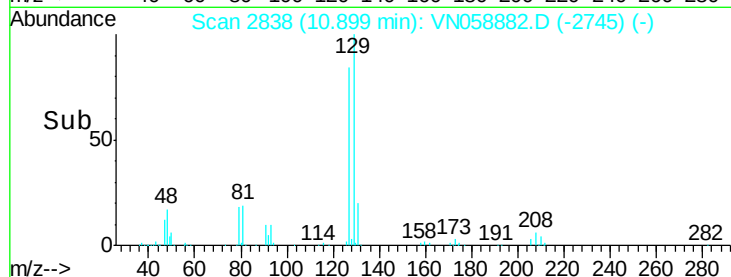
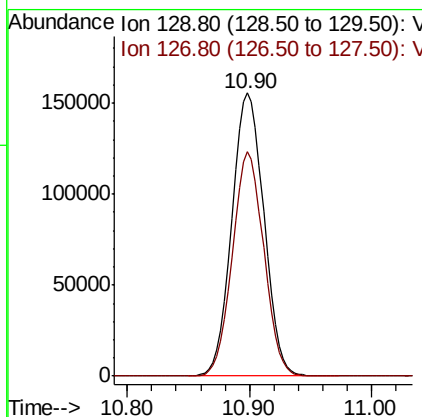
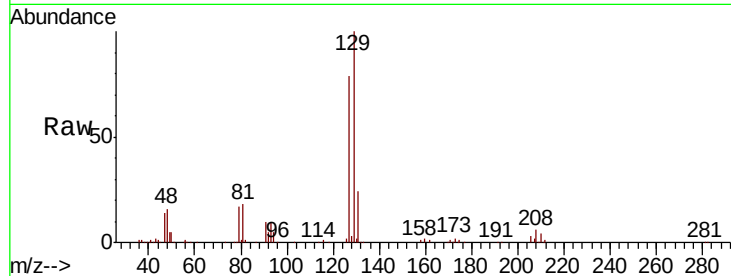
#60
Dibromochloromethane
Concen: 49.925 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.3

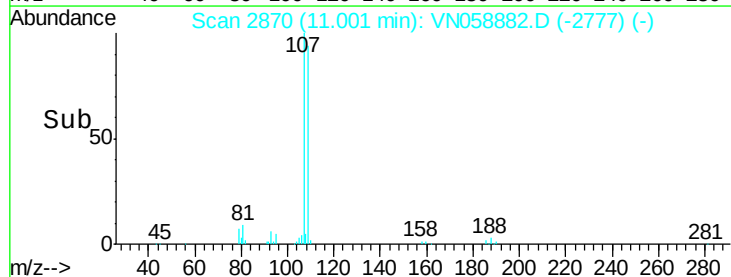
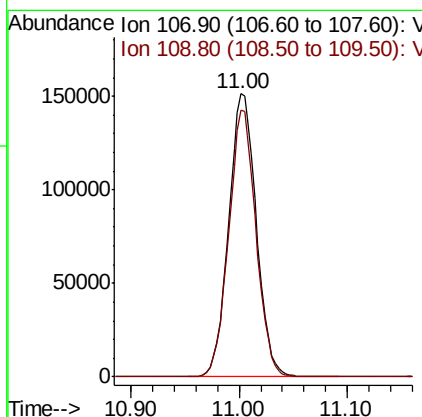
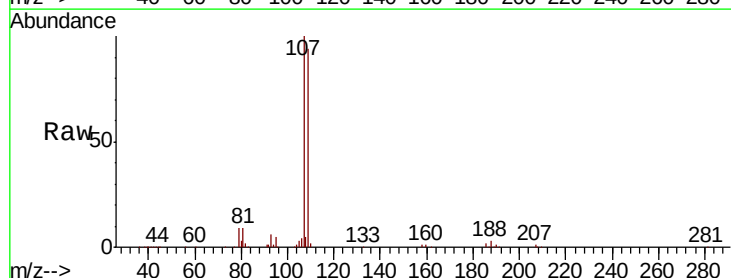
Manual Integrations
APPROVED

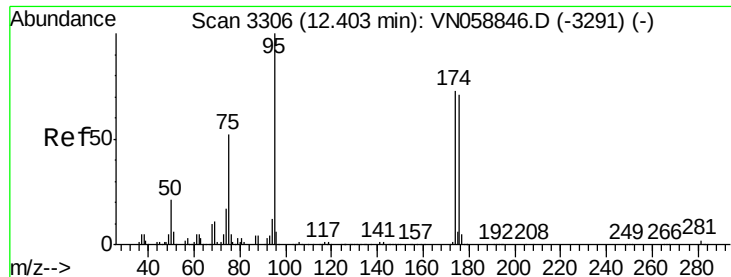
MMDadoda
10/22/2019 4:55:29 PM



#61
1,2-Dibromoethane
Concen: 50.068 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8





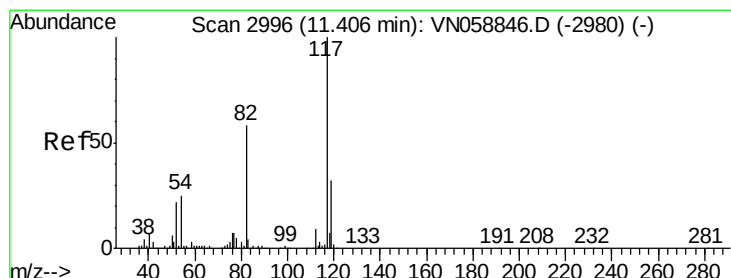
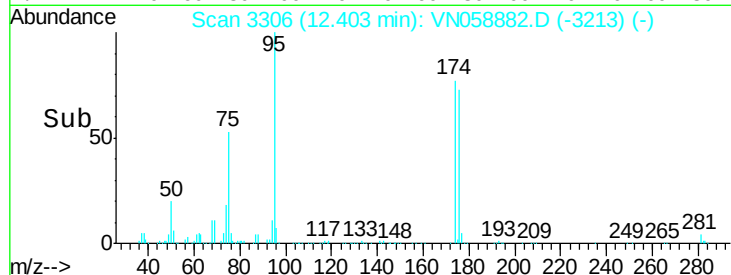
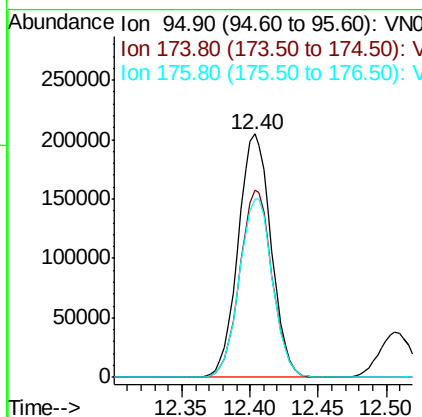
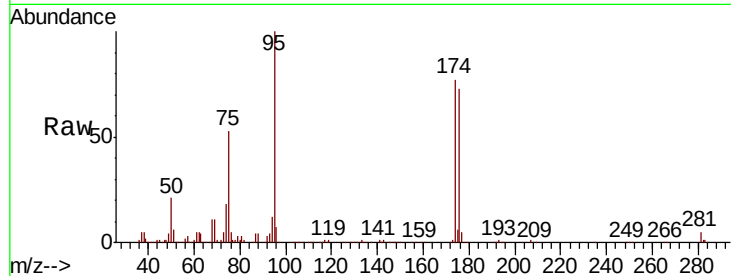
#62
4-Bromofluorobenzene
Concen: 51.009 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	343305		
174	75.5	0.0	147.6	
176	73.8	0.0	143.2	

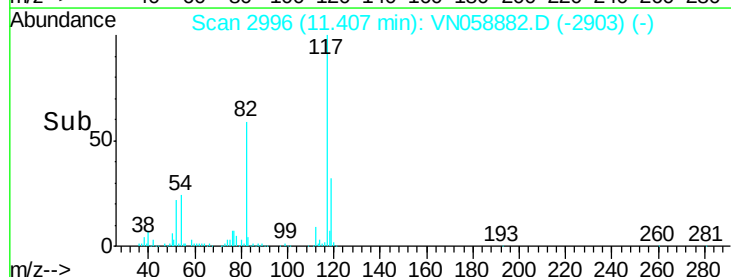
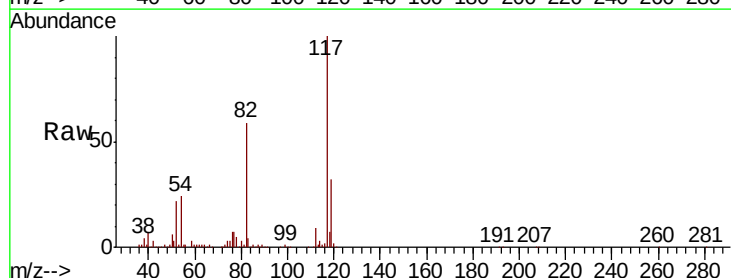
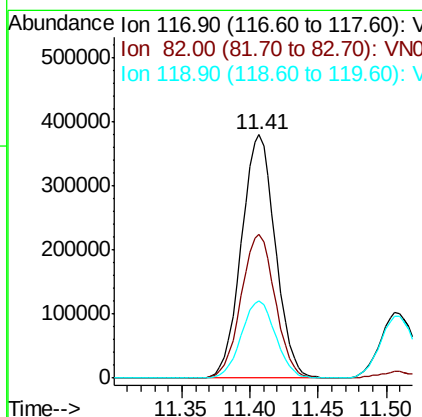
Manual Integrations
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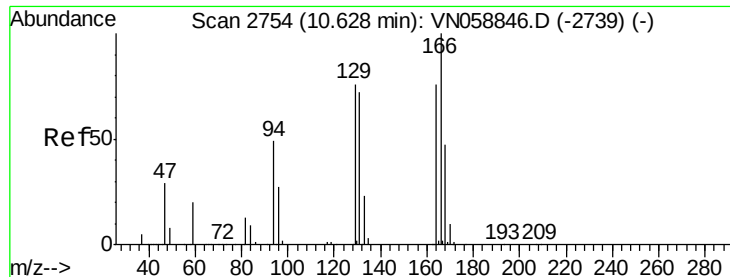
MMDadoda
10/22/2019 4:55:29 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	655140		
82	58.9	46.6	69.8	
119	31.6	25.6	38.4	





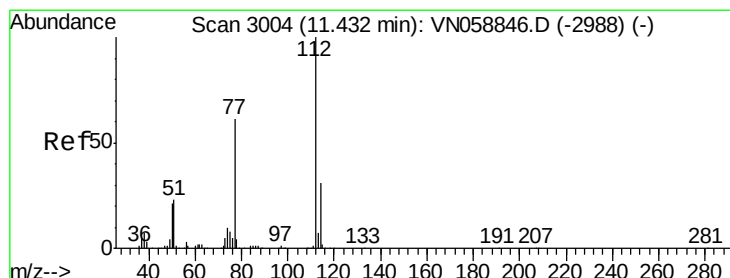
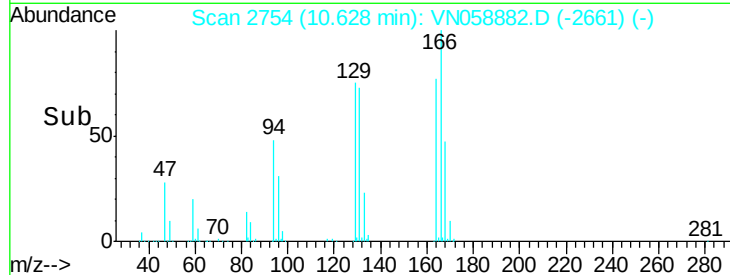
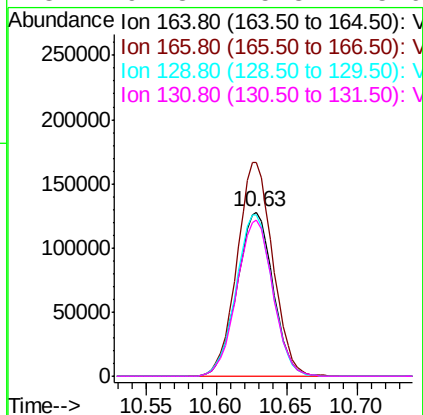
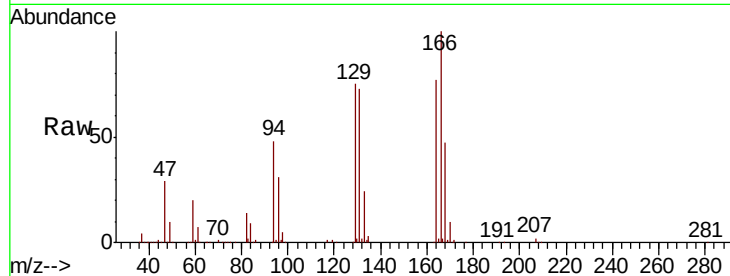
#64
Tetrachloroethene
Concen: 49.960 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.8	157.2
129	97.9	79.3	118.9
131	94.8	75.8	113.6

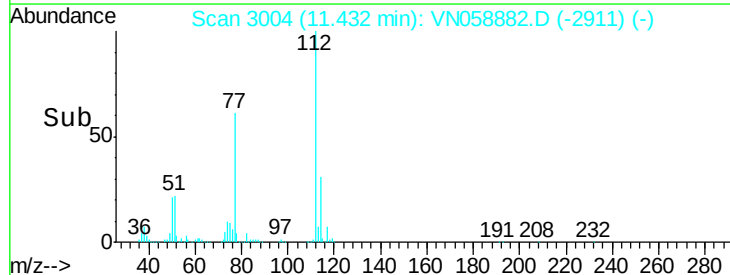
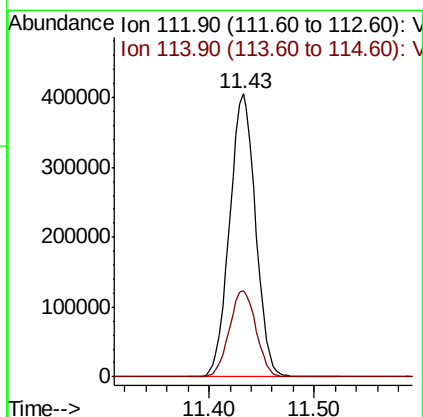
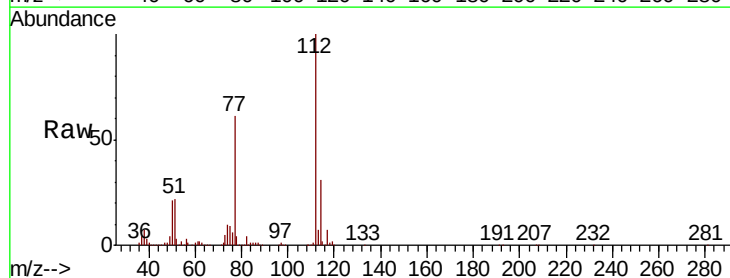
Manual Integrations
APPROVED

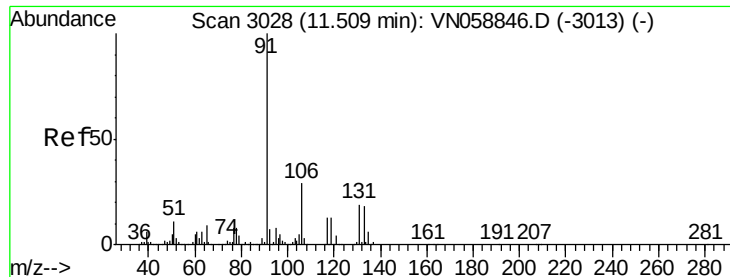
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10/22/2019 4:55:29 PM



#65
Chlorobenzene
Concen: 51.626 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 51.009 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

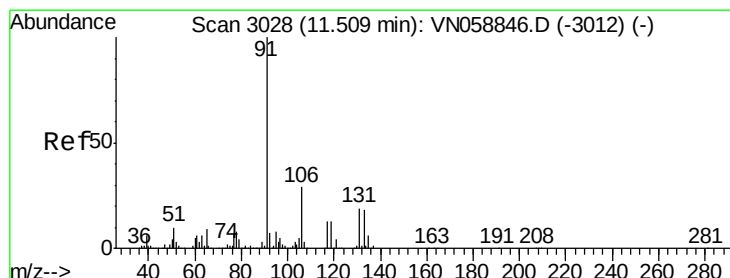
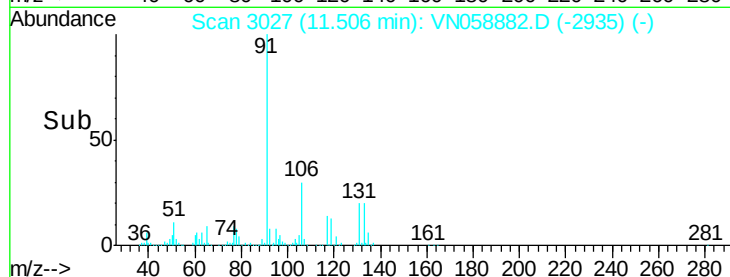
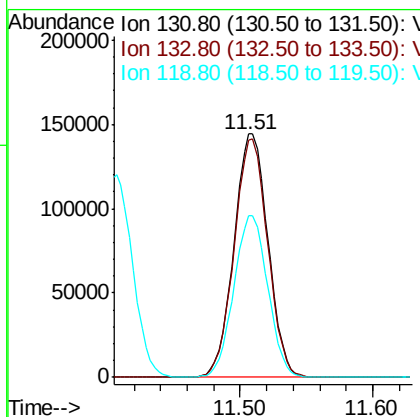
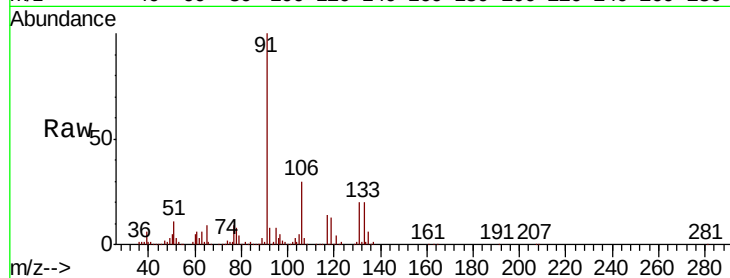
ClientSampleId :

FA19-MMW0422MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	256734		
133	96.2	48.4	145.2	
119	66.4	33.6	100.8	

Manual Integrations
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#67

Ethyl Benzene

Concen: 54.442 ug/l

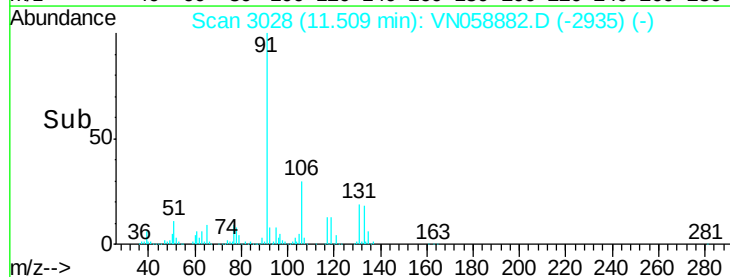
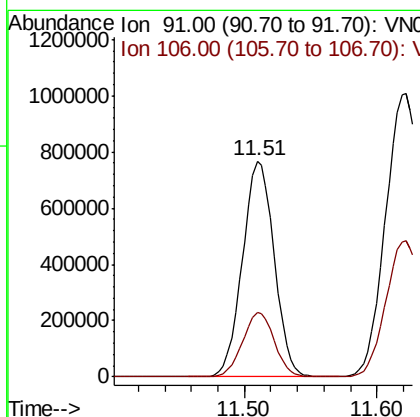
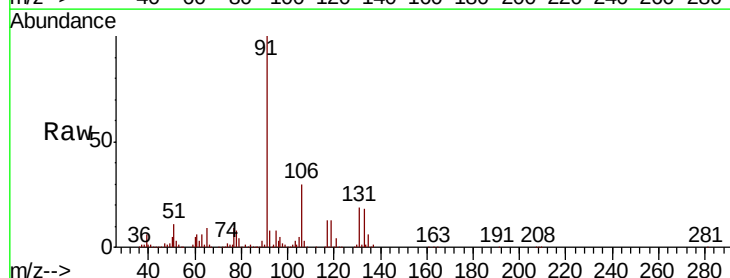
RT: 11.51 min Scan# 3028

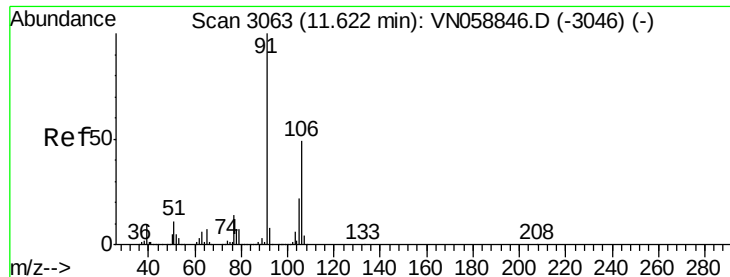
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1273807		
106	29.9	23.4	35.0	





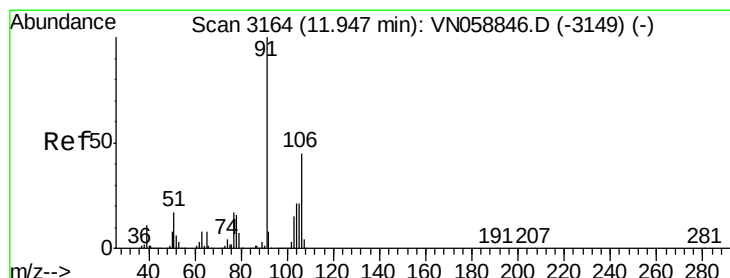
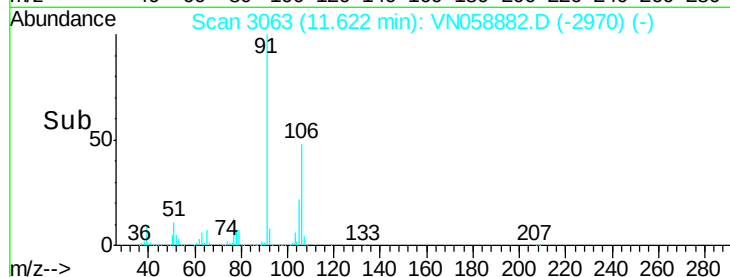
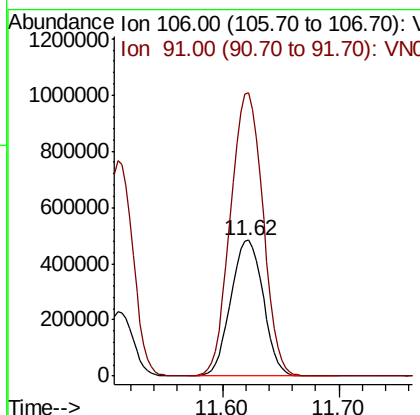
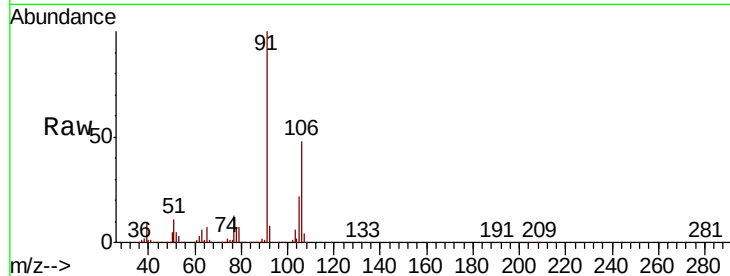
#68
m/p-Xylenes
Concen: 108.047 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion:106 Resp: 937517
Ion Ratio Lower Upper
106 100
91 208.8 166.6 249.8

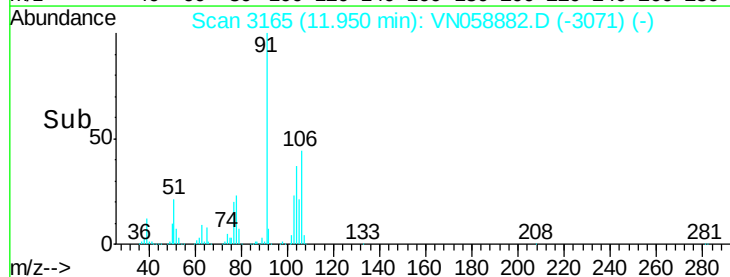
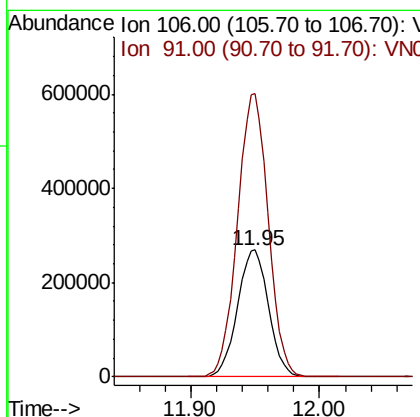
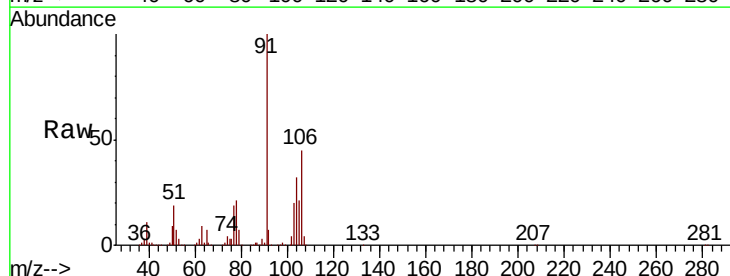
Manual Integrations
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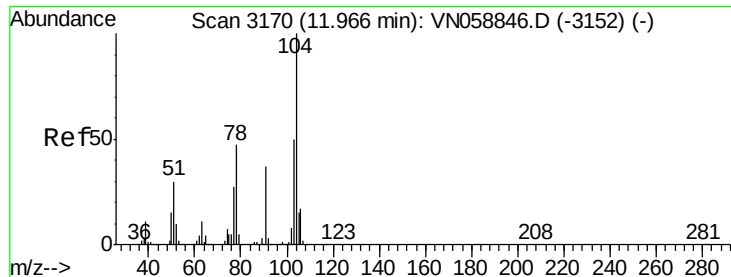
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#69
o-Xylene
Concen: 54.220 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion:106 Resp: 448698
Ion Ratio Lower Upper
106 100
91 221.9 111.5 334.4





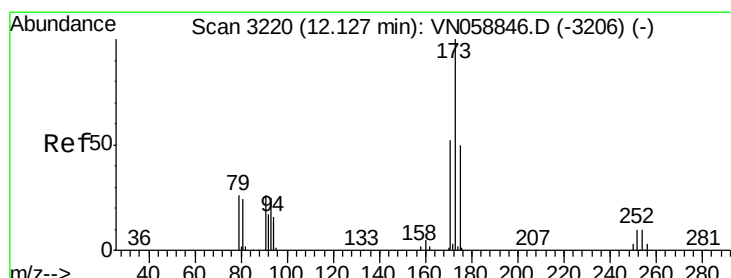
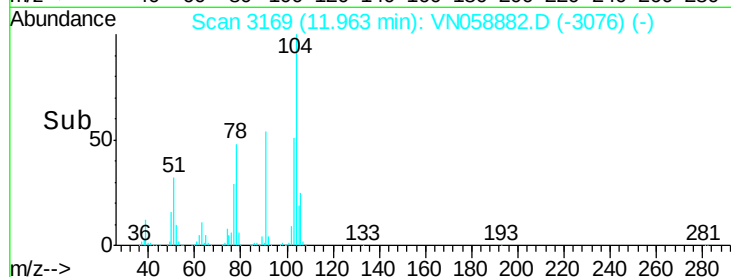
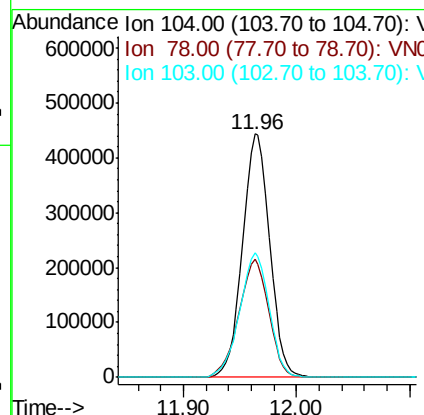
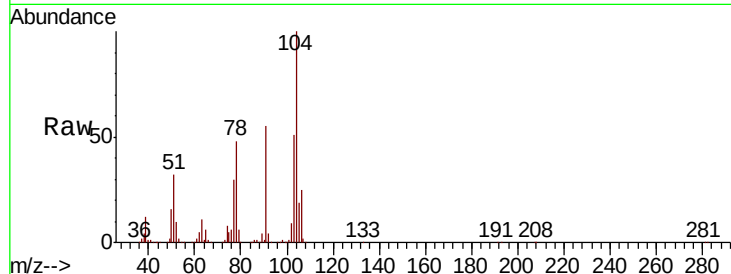
#70
Stvrene
Concen: 48.885 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.8	64.2
103	55.4	44.3	66.5

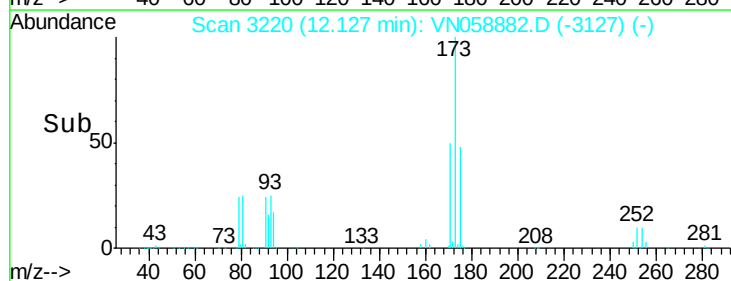
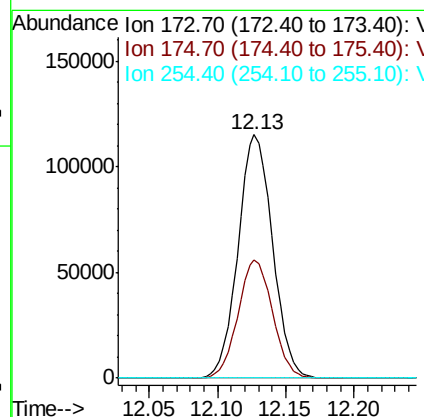
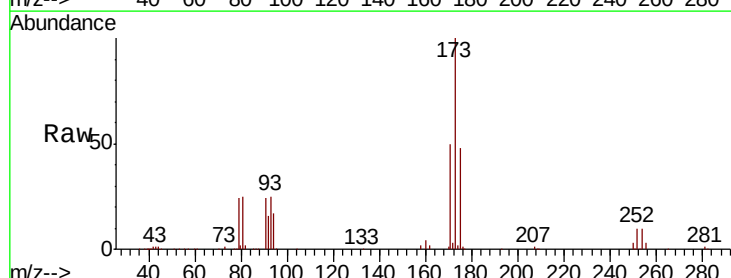
Manual Integrations
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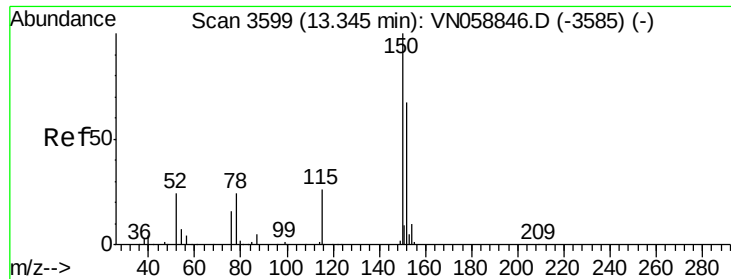
MMDadoda
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#71
Bromoform
Concen: 51.702 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.0	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

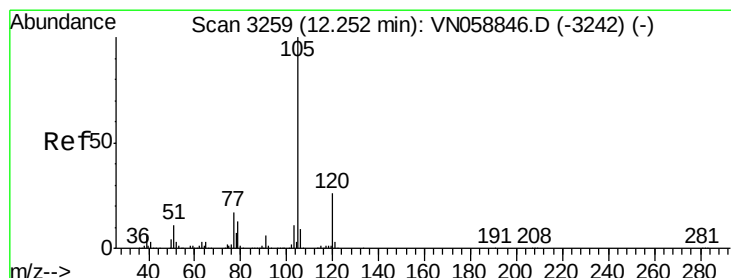
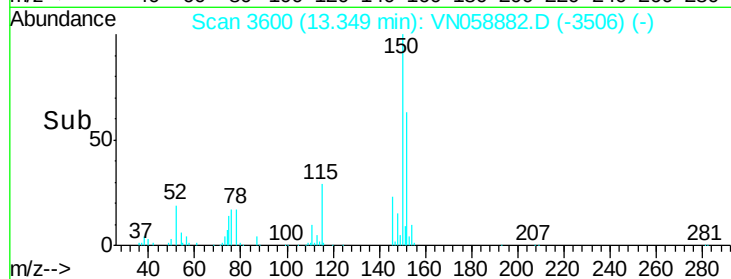
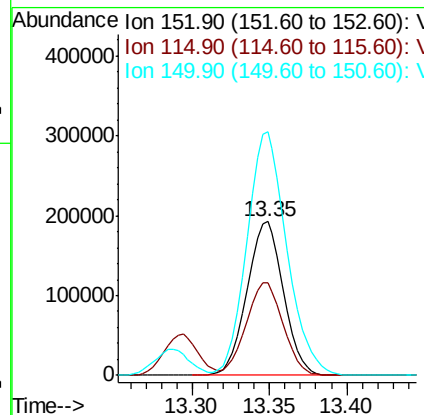
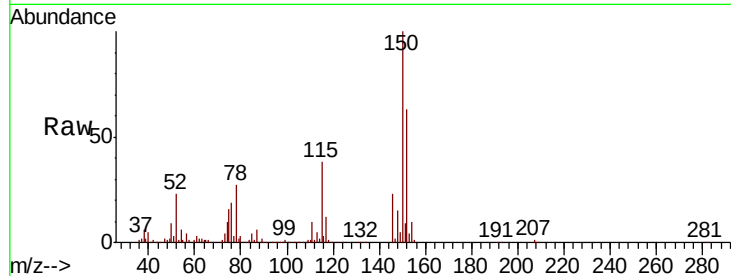
ClientSampleId :

FA19-MMW0422MS

Tot Ion:	152	Resp:	315013
Ion Ratio	Lower	Upper	
152	100		
115	61.4	30.5	91.5
150	173.2	0.0	344.4

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#73

Isopropylbenzene

Concen: 52.969 ug/l

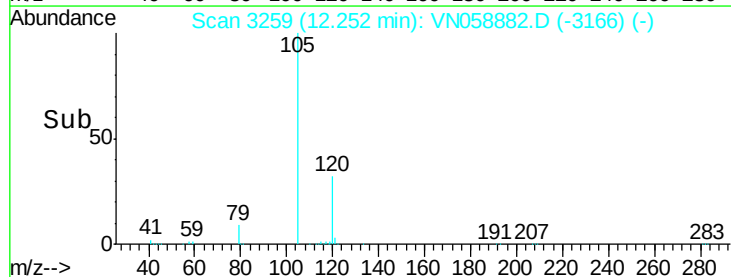
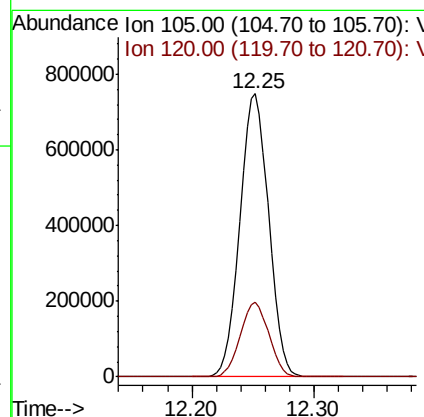
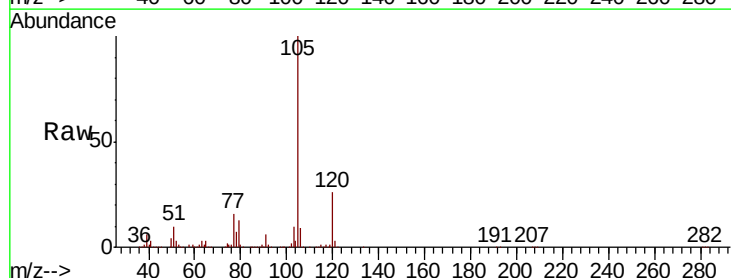
RT: 12.25 min Scan# 3259

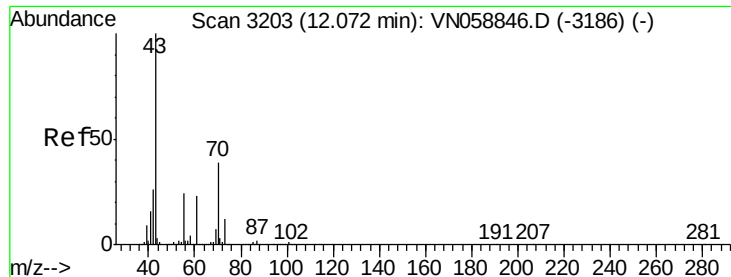
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:	105	Resp:	1219430
Ion Ratio	Lower	Upper	
105	100		
120	26.3	12.8	38.4





#74

N-amvl acetate

Concen: 54.820 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

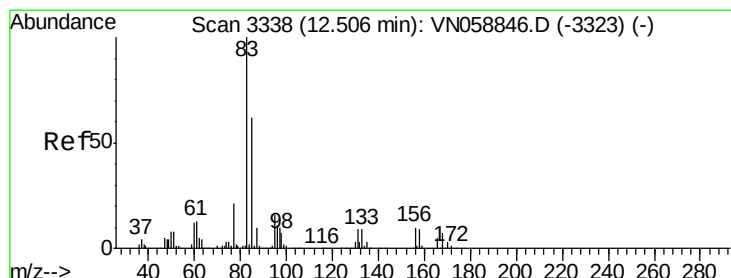
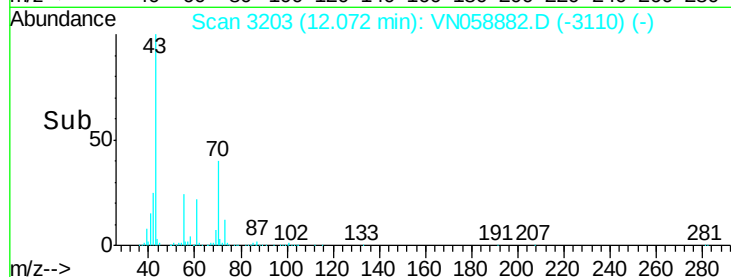
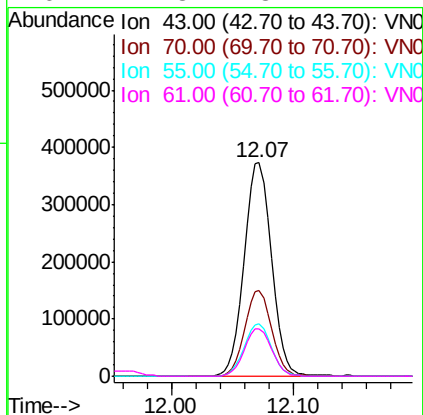
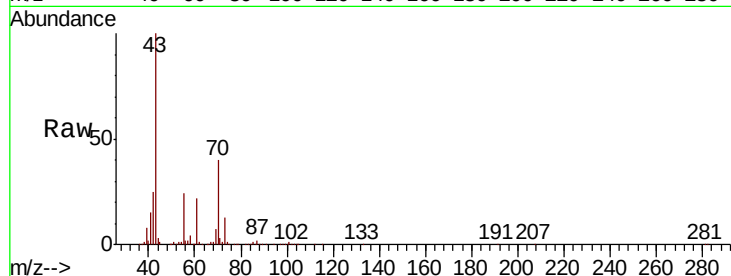
ClientSampleId :

FA19-MMW0422MS

Tot Ion	43	Resp	572157
Ion Ratio	Lower	Upper	
43	100		
70	39.7	30.9	46.3
55	24.7	19.7	29.5
61	22.8	18.2	27.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.910 ug/l

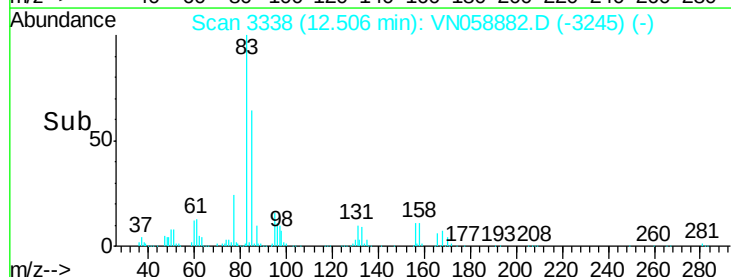
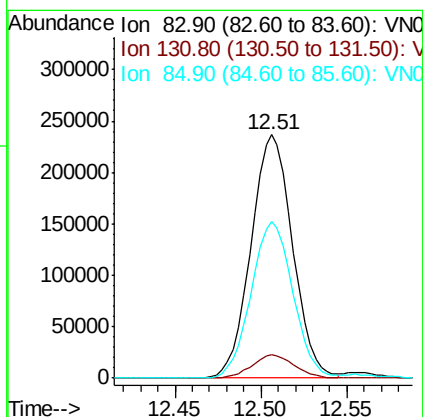
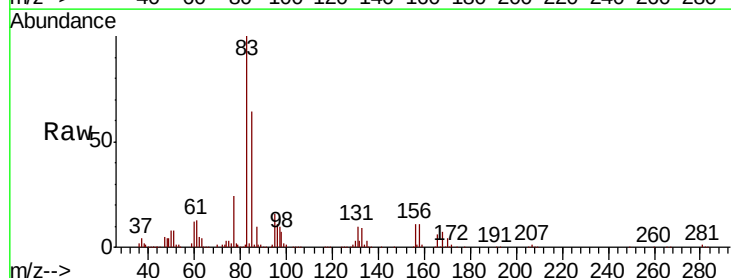
RT: 12.51 min Scan# 3338

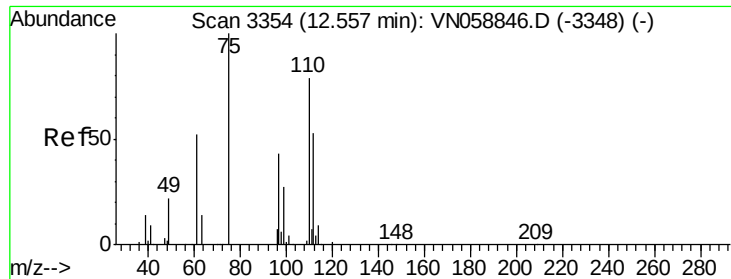
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion	83	Resp	395921
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.1
85	64.7	31.7	95.1





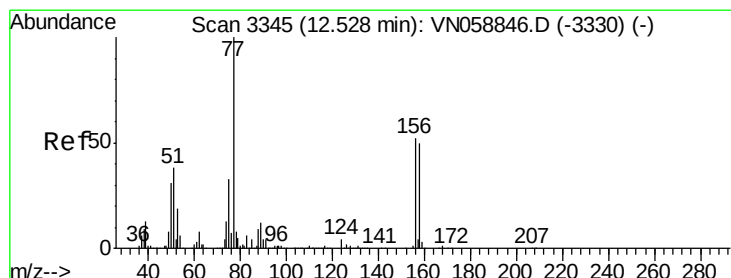
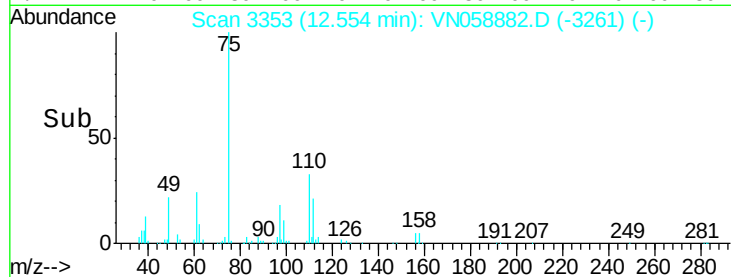
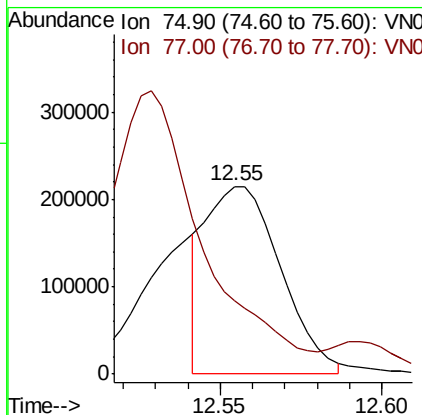
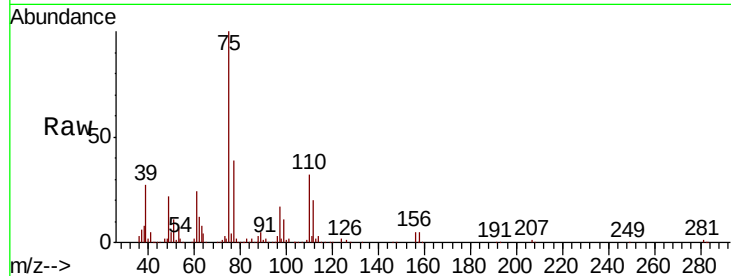
#76
 1,2,3-Trichloropropane
 Concen: 47.236 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion: 75 Resp: 344860
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

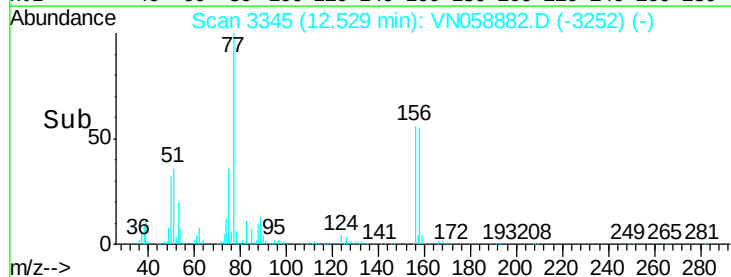
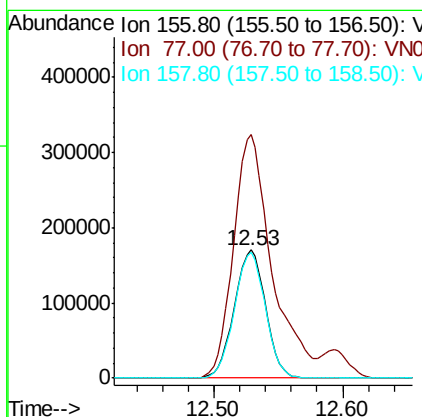
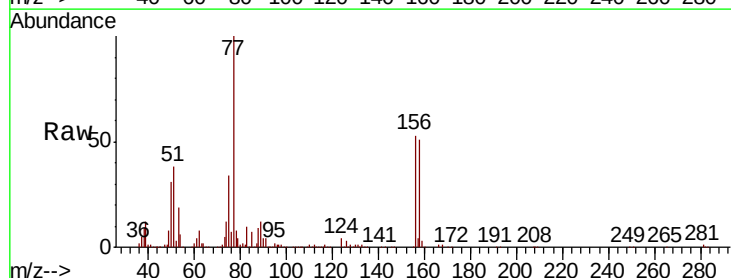
Manual Integrations
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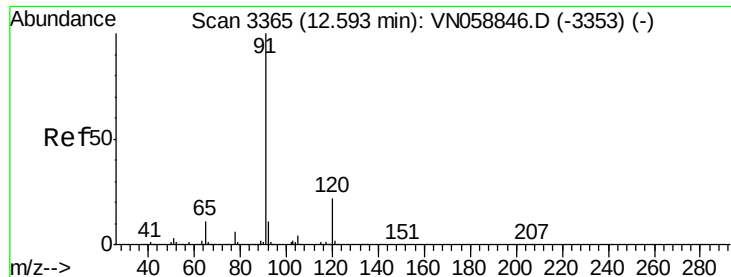
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#77
 Bromobenzene
 Concen: 50.727 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion: 156 Resp: 287846
 Ion Ratio Lower Upper
 156 100
 77 233.4 118.0 354.0
 158 97.1 48.3 144.8





#78

n-propylbenzene

Concen: 53.081 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MS

Tot Ion: 91 Resp: 1444467

Ion Ratio Lower Upper

91 100

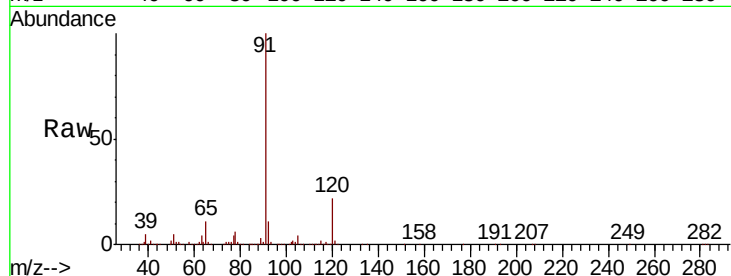
120 21.9 11.1 33.1

Manual Integrations

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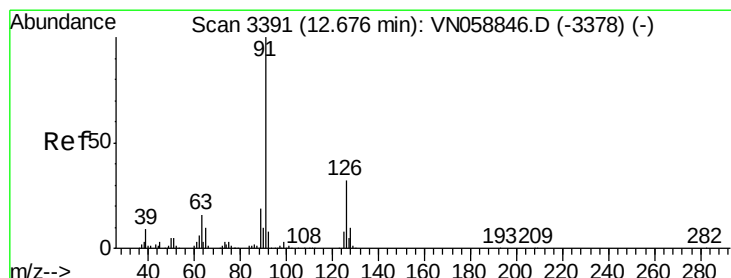
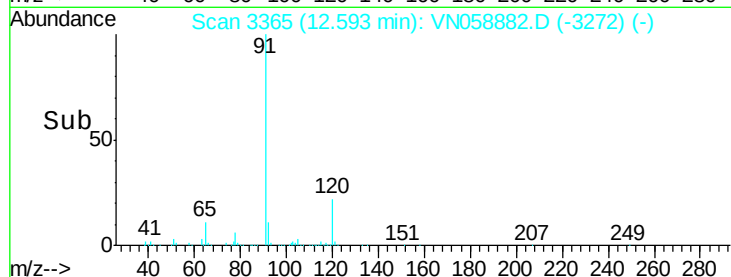
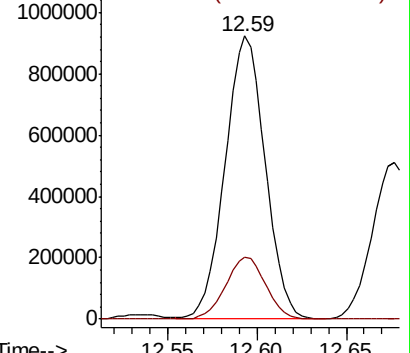
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.119 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058882.D

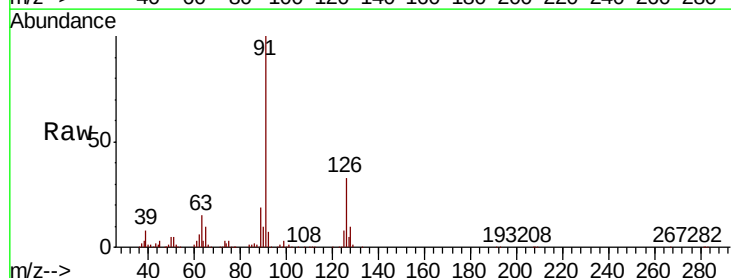
Acq: 21 Oct 2019 12:55

Tgt Ion: 91 Resp: 851396

Ion Ratio Lower Upper

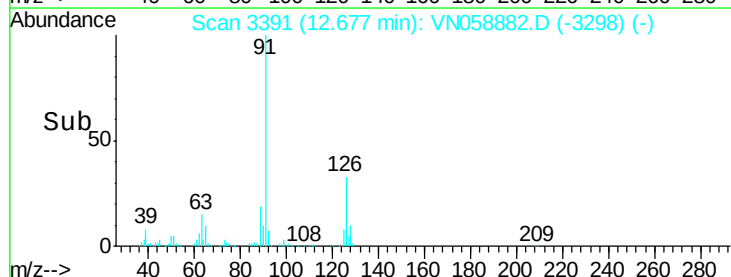
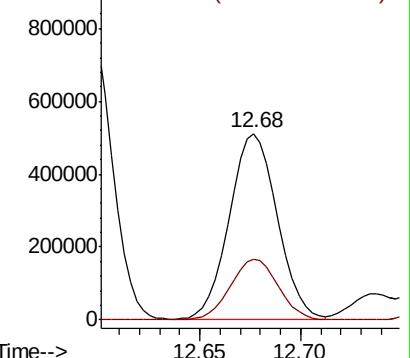
91 100

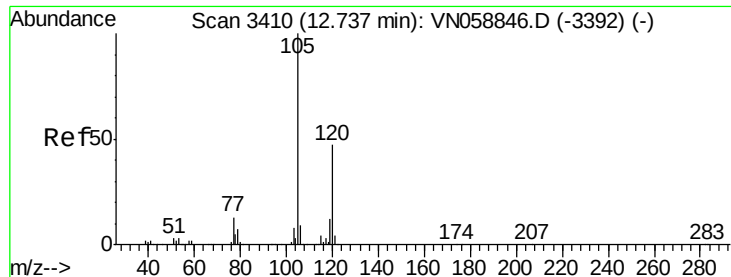
126 32.6 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





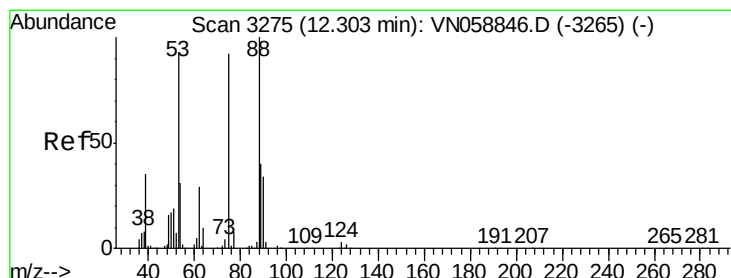
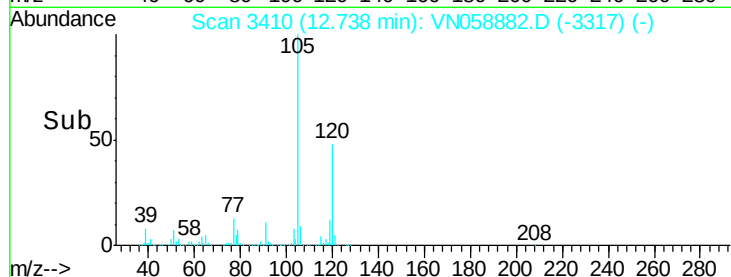
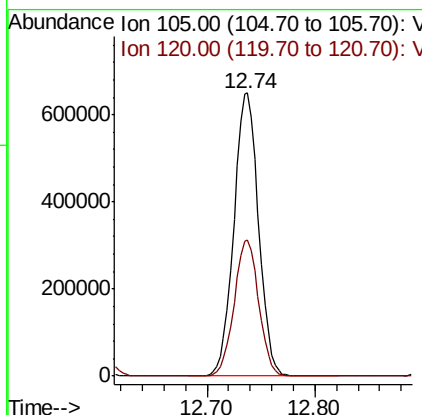
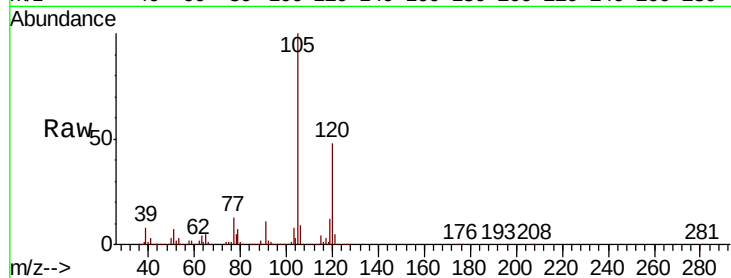
#80
 1,3,5-Trimethylbenzene
 Concen: 53.488 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion:105 Resp: 1034584
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.5

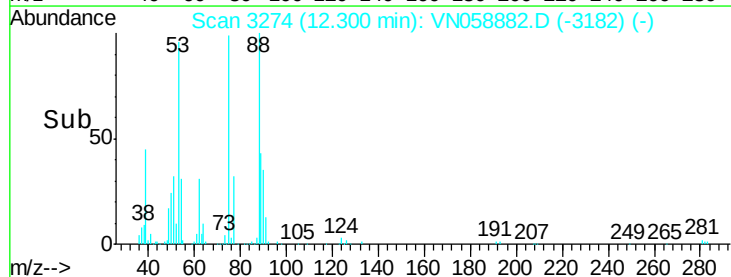
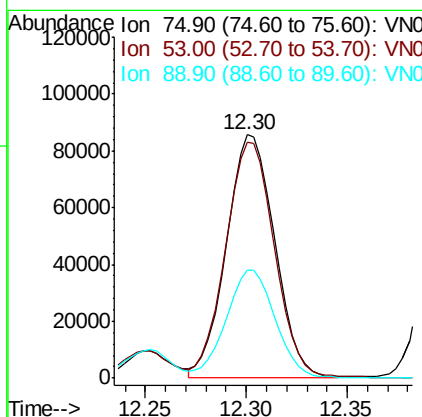
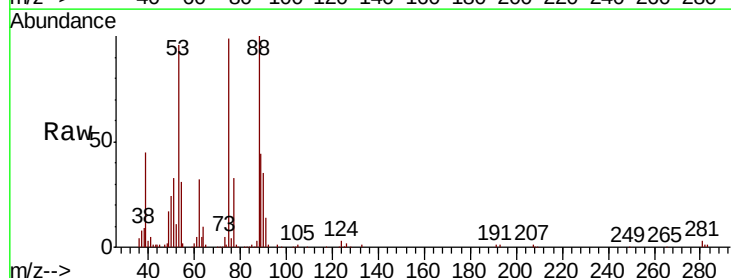
Manual Integrations
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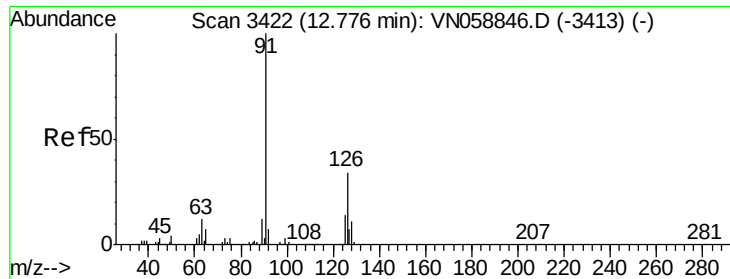
MMDadoda
 10/22/2019 4:55:29 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.251 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion: 75 Resp: 143631
 Ion Ratio Lower Upper
 75 100
 53 98.6 78.6 118.0
 89 45.2 35.4 53.0





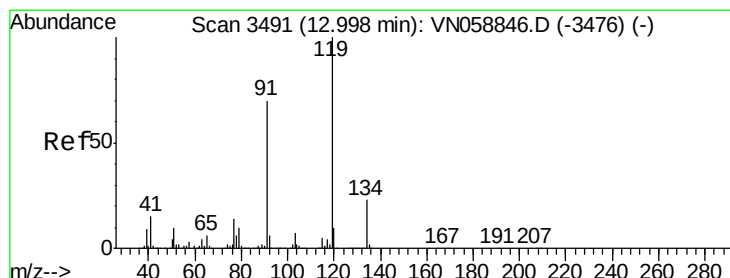
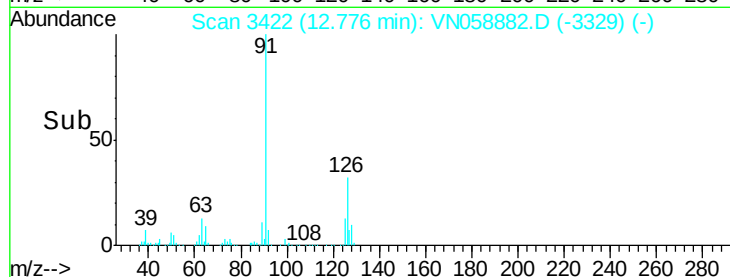
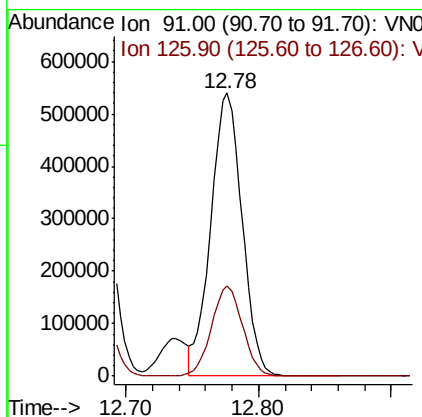
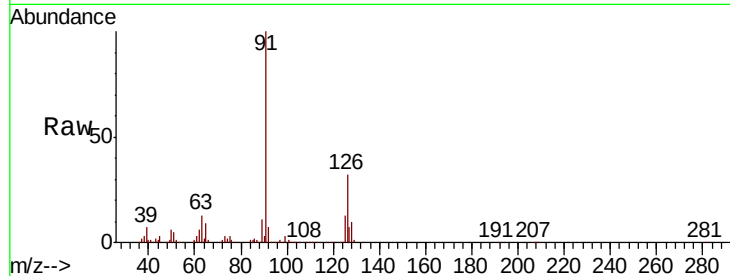
#82
4-Chlorotoluene
Concen: 51.804 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion: 91 Resp: 881721
Ion Ratio Lower Upper
91 100
126 31.6 16.0 47.9

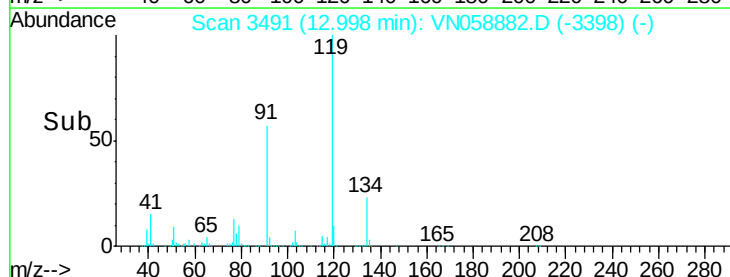
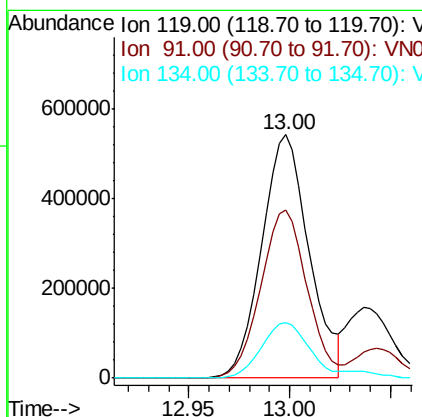
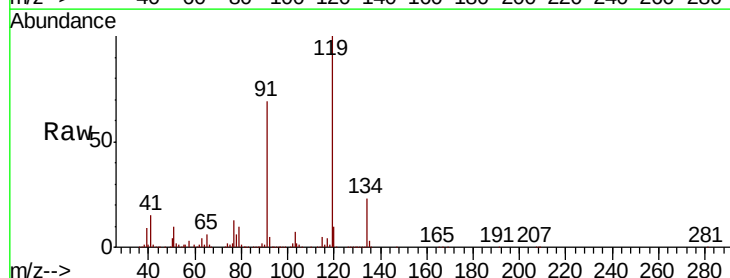
Manual Integrations
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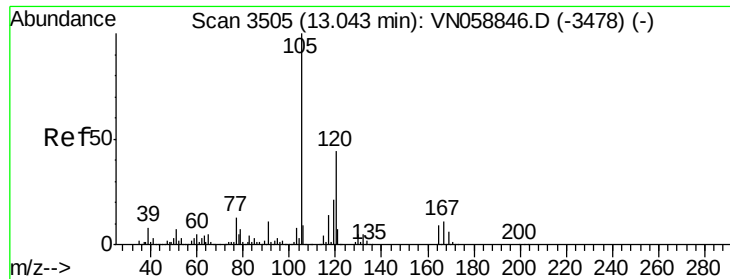
MMDadoda
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#83
tert-Butylbenzene
Concen: 53.486 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion: 119 Resp: 884666
Ion Ratio Lower Upper
119 100
91 67.3 34.1 102.3
134 23.1 11.6 34.8





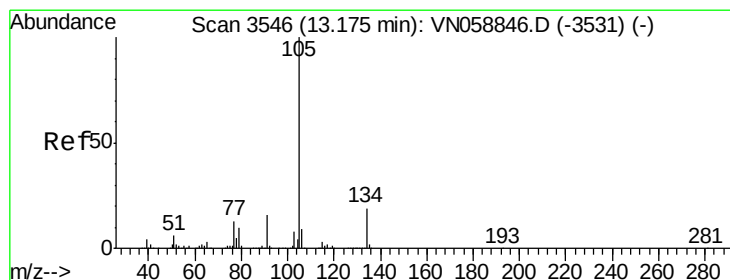
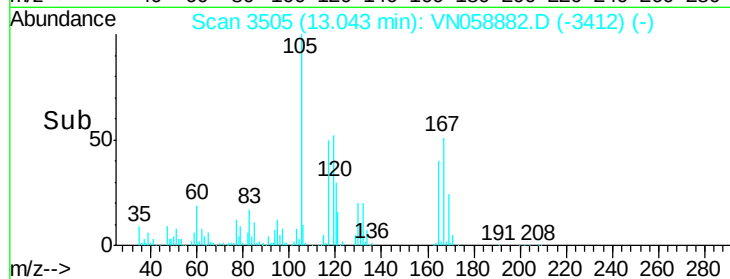
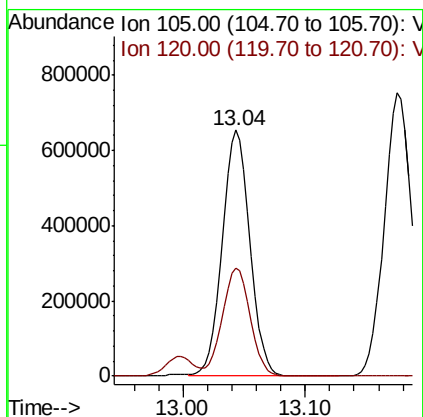
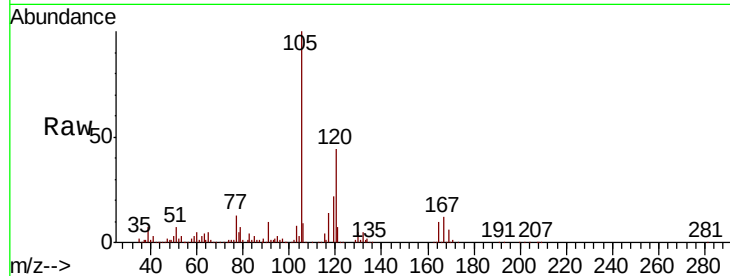
#84
 1,2,4-Trimethylbenzene
 Concen: 54.491 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion:105 Resp: 1039590
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.8

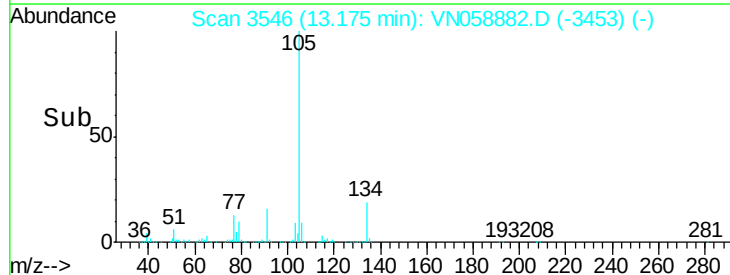
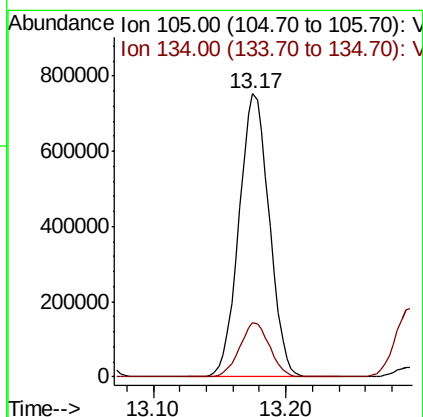
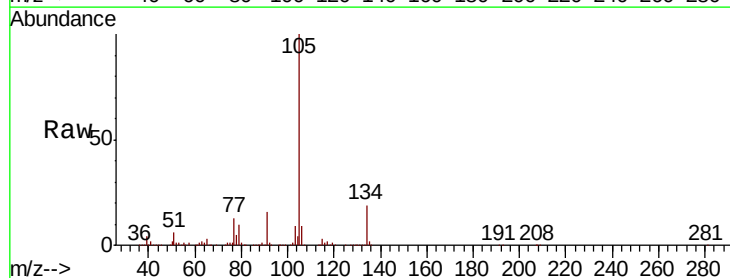
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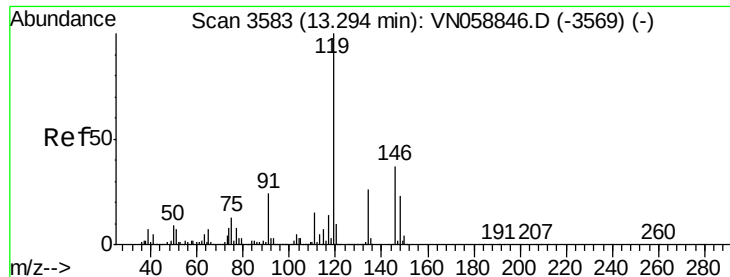
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#85
 sec-Butylbenzene
 Concen: 53.945 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion:105 Resp: 1189617
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.2





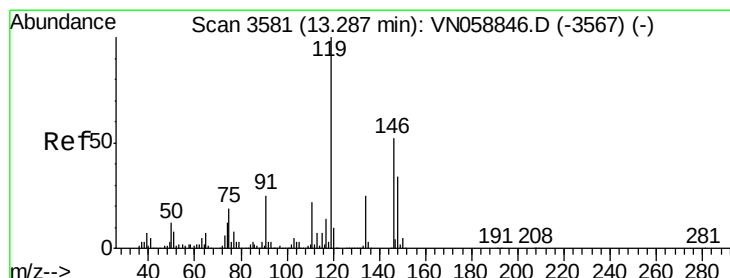
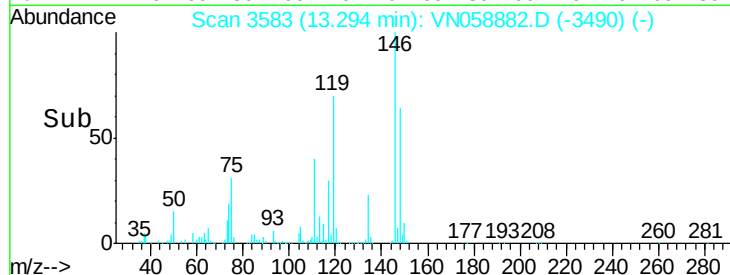
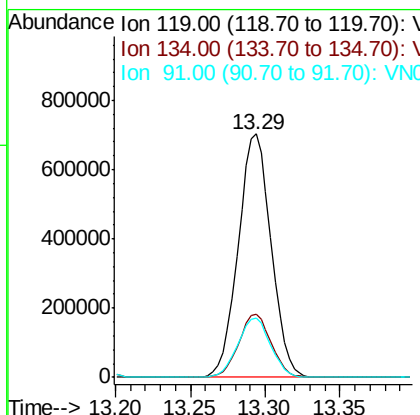
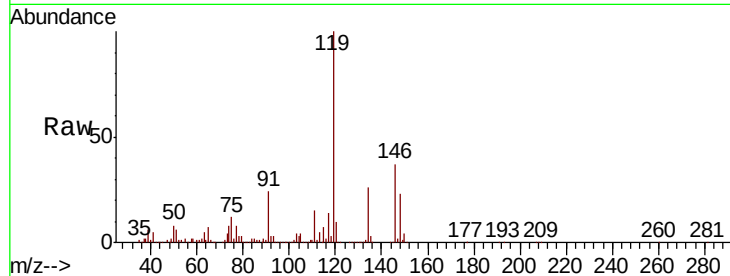
#86
 p-Isopropyltoluene
 Concen: 55.017 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.4
91	24.4	12.2	36.4

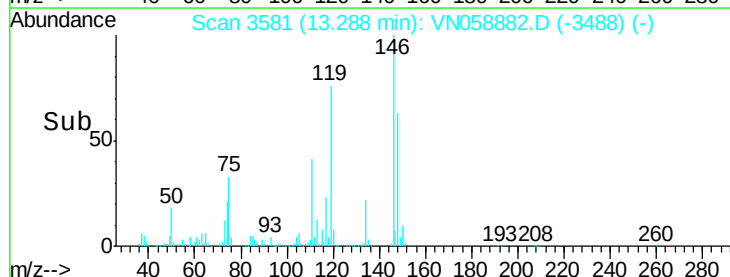
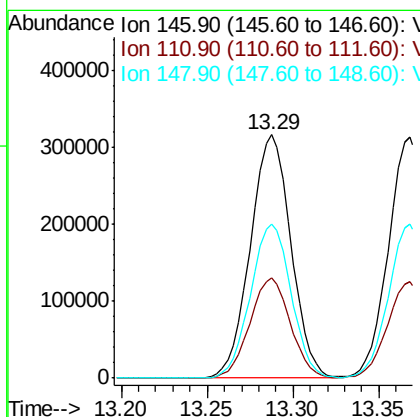
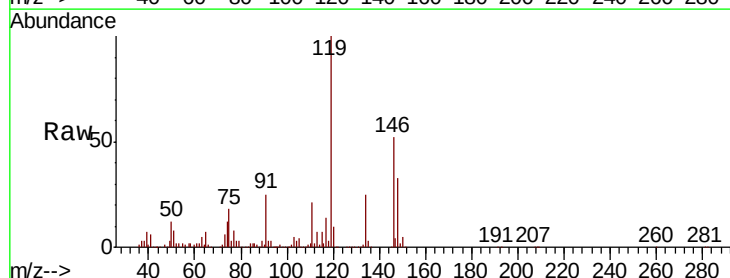
Manual Integrations
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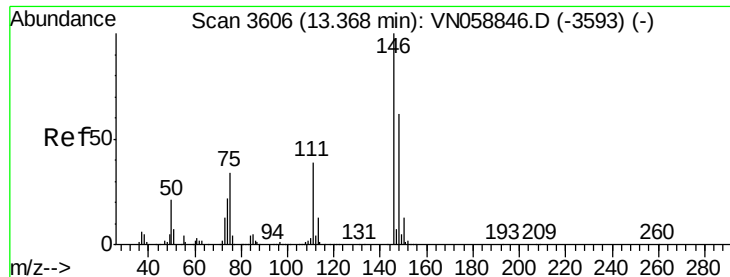
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#87
 1,3-Dichlorobenzene
 Concen: 51.028 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	63.3	32.1	96.3





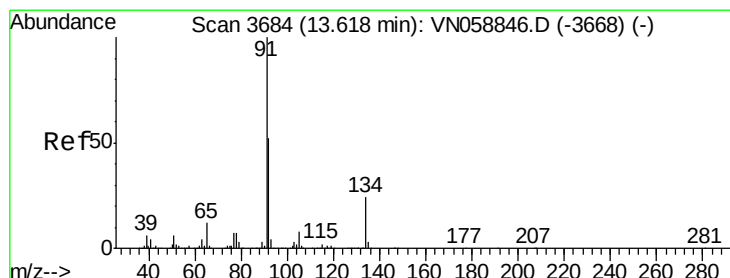
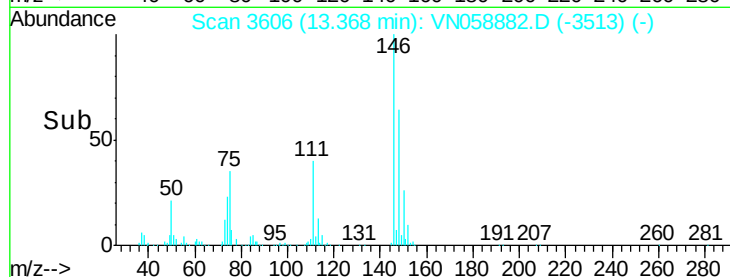
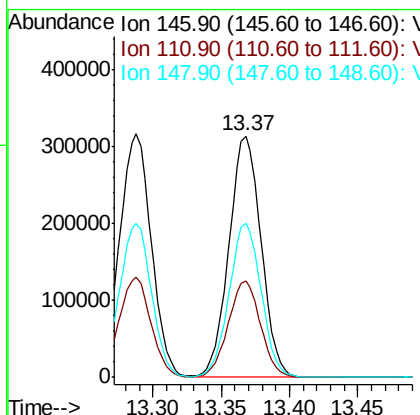
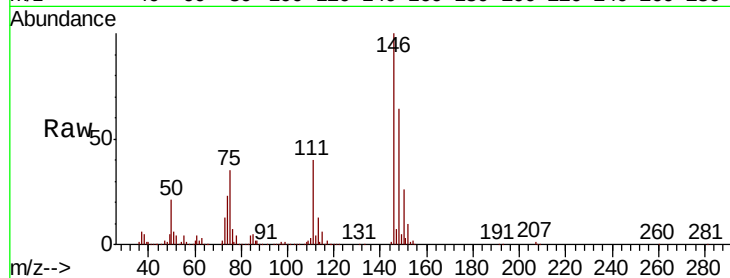
#88
 1,4-Dichlorobenzene
 Concen: 50.615 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	63.5	31.6	94.7

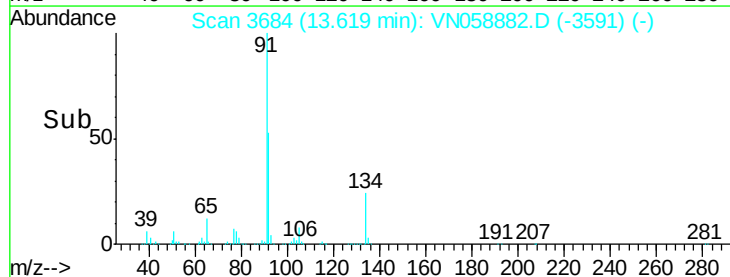
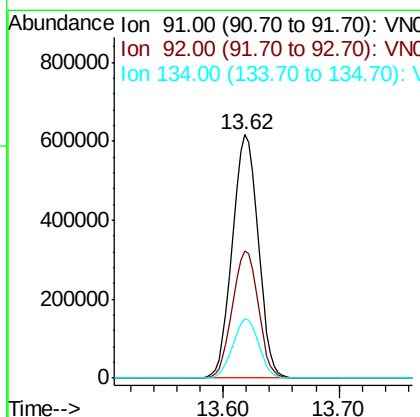
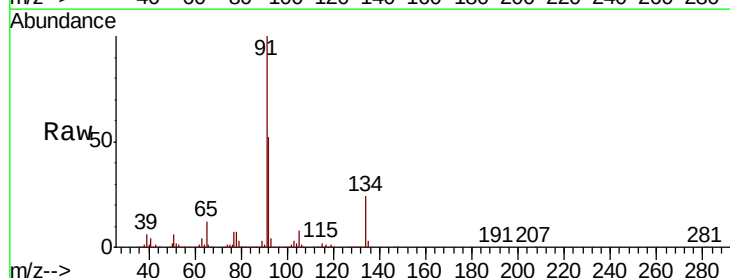
Manual Integrations
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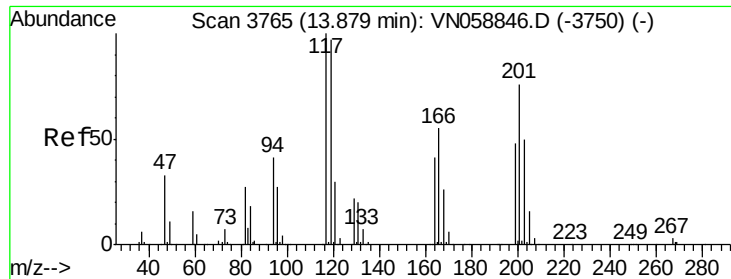
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#89
 n-Butylbenzene
 Concen: 53.008 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.7	77.1
134	24.4	11.9	35.5





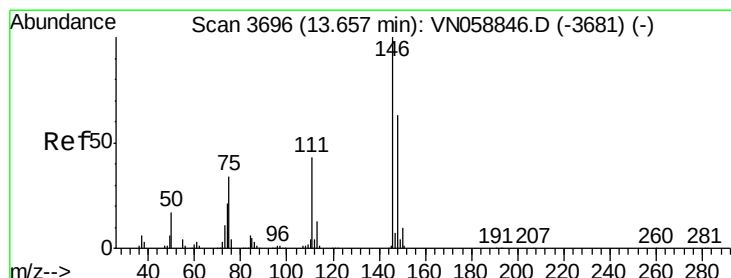
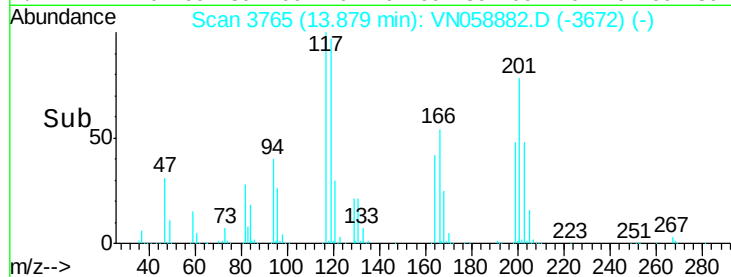
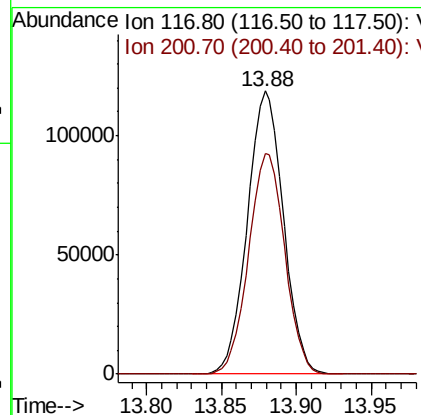
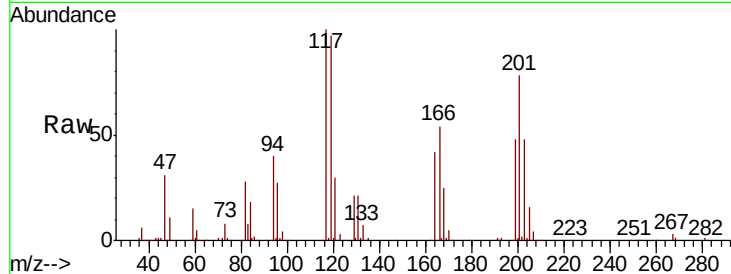
#90
Hexachloroethane
Concen: 50.406 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	78.3	38.9	116.6

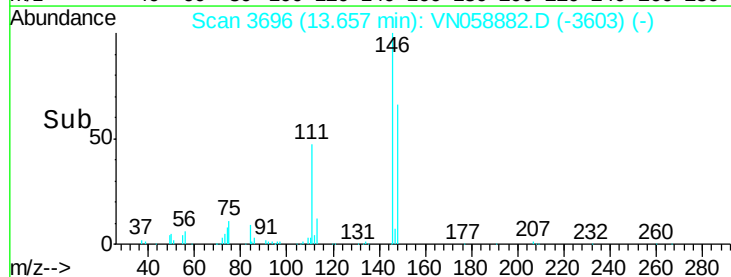
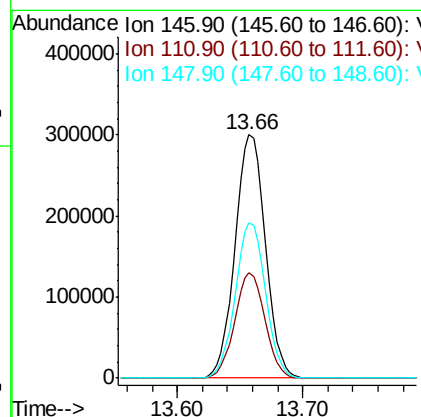
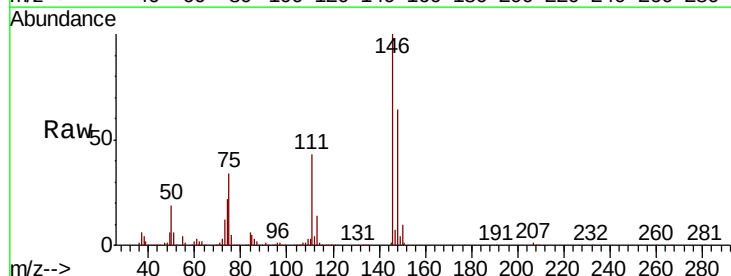
Manual Integrations
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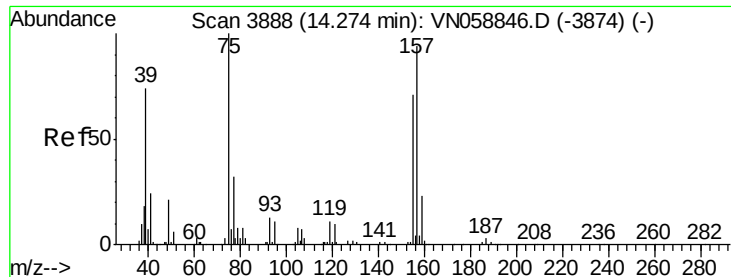
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#91
1,2-Dichlorobenzene
Concen: 50.569 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN058882.D
Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	64.8
148	63.7	31.9	95.9





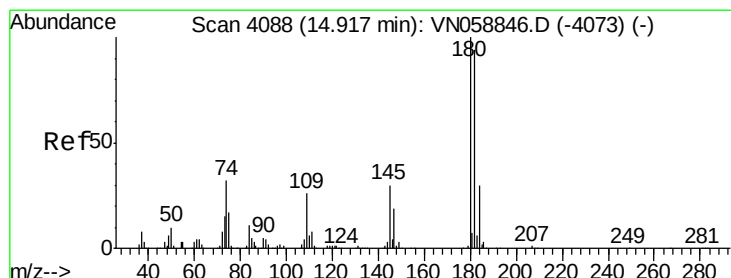
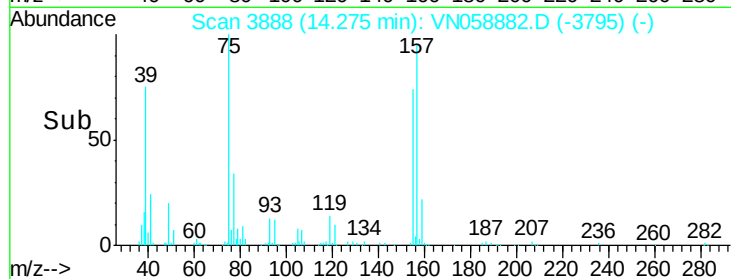
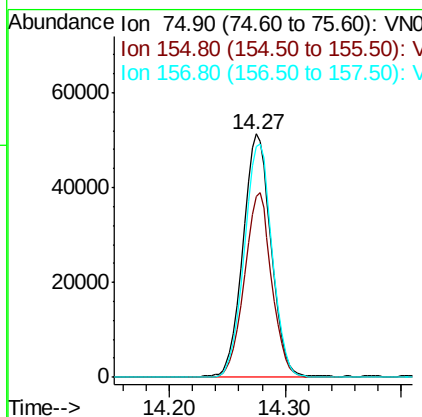
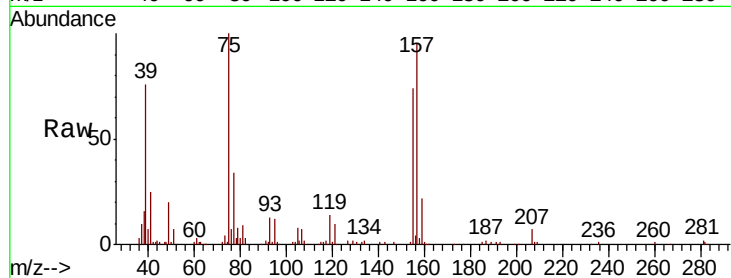
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.464 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	72.9	35.6	106.8
157	94.6	47.4	142.2

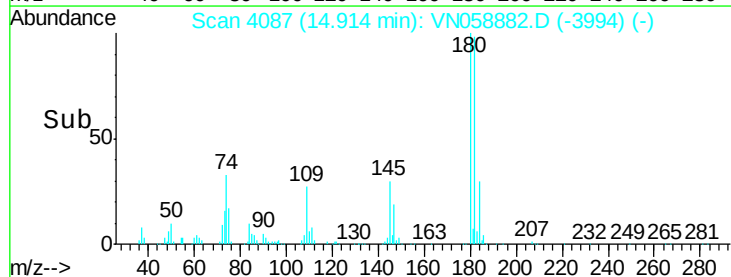
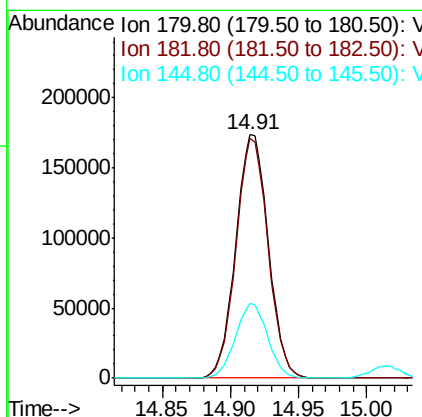
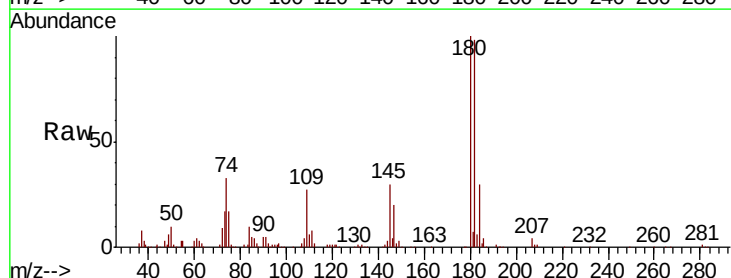
Manual Integrations
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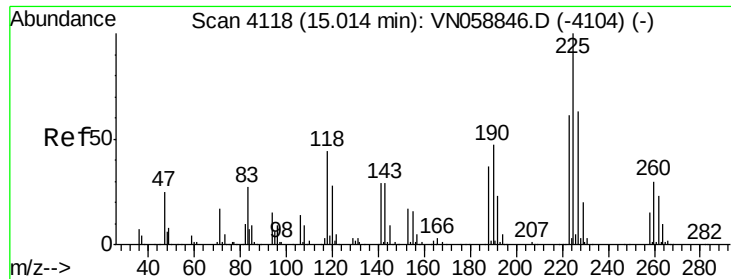
MMDadoda
 10/22/2019 4:55:29 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 46.047 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	142.0
145	30.1	15.3	45.8





#94

Hexachlorobutadiene

Concen: 47.085 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Instrument :

MSVOA_N

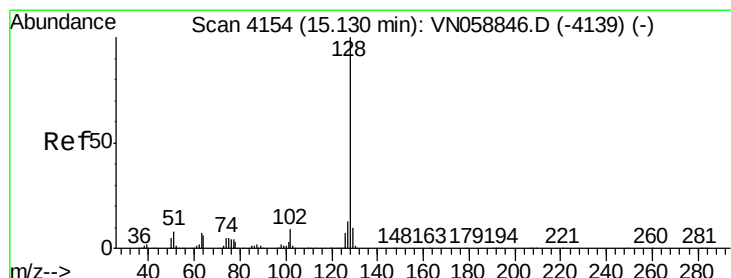
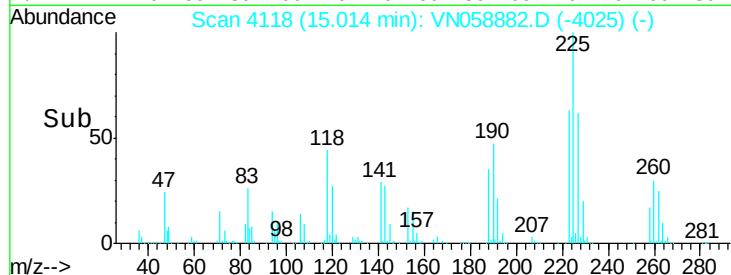
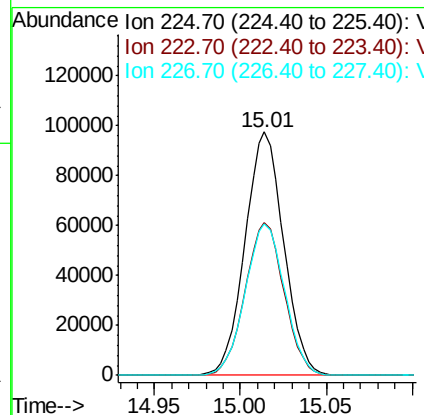
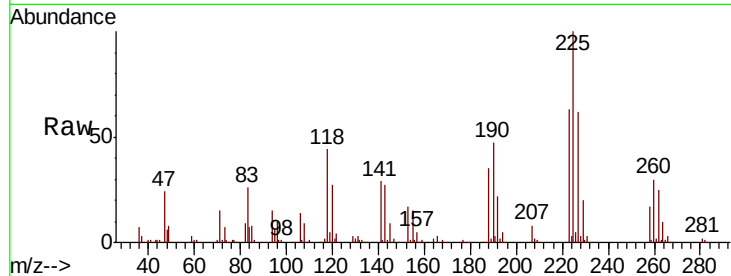
ClientSampleId :

FA19-MMW0422MS

Tot Ion:	225	Resp:	152192
Ion Ratio		Lower	Upper
225	100		
223	63.3	30.9	92.5
227	63.7	31.6	94.7

Manual Integrations
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#95

Naphthalene

Concen: 46.209 ug/l

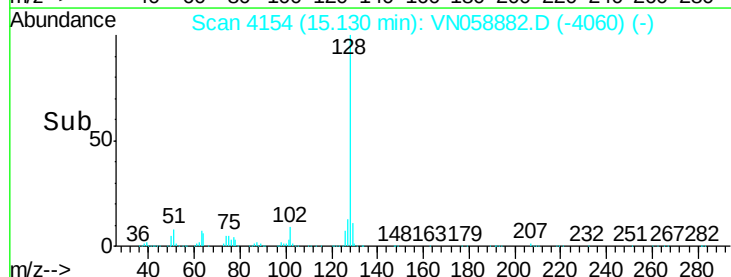
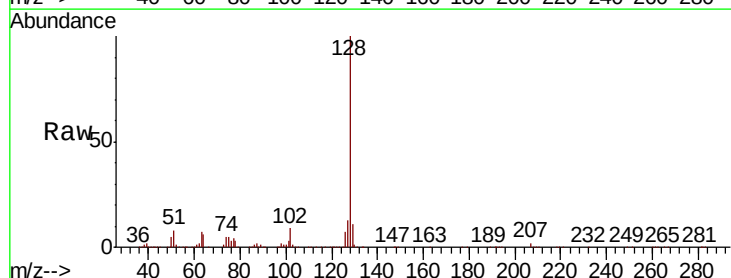
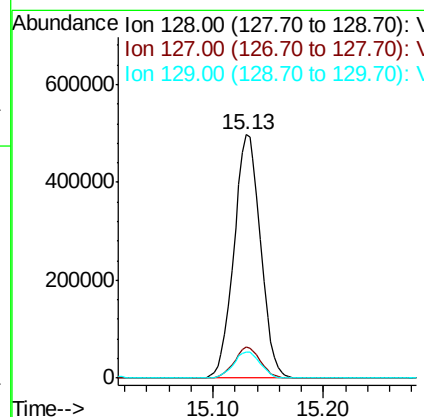
RT: 15.13 min Scan# 4154

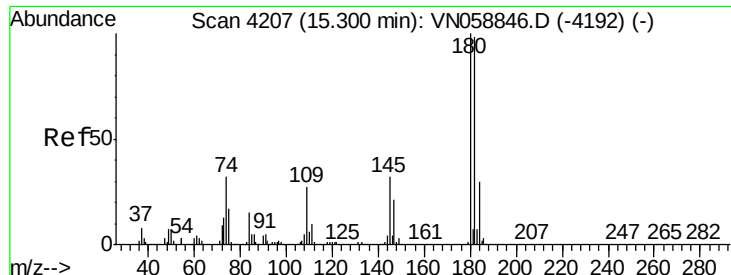
Delta R.T. 0.00 min

Lab File: VN058882.D

Acq: 21 Oct 2019 12:55

Tgt Ion:	128	Resp:	830601
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.9	8.4	12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 45.908 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058882.D
 Acq: 21 Oct 2019 12:55

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.0	47.9	143.7
145	32.8	15.9	47.7

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:29 PM

