

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091420\
 Data File : VN063346.D
 Acq On : 14 Sep 2020 16:31
 Operator : JC/MD
 Sample : VN0914MBSD01
 Misc : 5.00µl/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/15/2020 12:15:41 PM

Quant Time: Sep 15 07:55:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	431757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	780598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	694638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	308279	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	325626	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
35) Dibromofluoromethane	7.55	113	237405	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	10.06	98	907592	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
62) 4-Bromofluorobenzene	12.38	95	320597	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	68539	16.529	ug/l	99
3) Chloromethane	2.04	50	103268	17.430	ug/l	98
4) Vinyl Chloride	2.16	62	102851	17.532	ug/l	99
5) Bromomethane	2.54	94	67700	16.540	ug/l	100
6) Chloroethane	2.67	64	67850	17.680	ug/l	96
7) Trichlorofluoromethane	2.99	101	151876	16.741	ug/l	99
8) Diethyl Ether	3.37	74	58785	18.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	79580	16.790	ug/l	97
10) Methyl Iodide	3.91	142	112849	18.367	ug/l	99
11) Tert butyl alcohol	4.73	59	90585	101.001	ug/l	100
12) 1,1-Dichloroethene	3.70	96	80856	17.090	ug/l	97
13) Acrolein	3.57	56	52546	125.979	ug/l	99
14) Allyl chloride	4.27	41	160740	16.550	ug/l	99
15) Acrylonitrile	4.93	53	238536	97.275	ug/l	97
16) Acetone	3.78	43	209437	89.413	ug/l	100
17) Carbon Disulfide	4.01	76	233165	16.945	ug/l	99
18) Methyl Acetate	4.28	43	115125	19.552	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	306239	18.114	ug/l	98
20) Methylene Chloride	4.50	84	104877	18.873	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	91052	17.197	ug/l	94
22) Diisopropyl ether	5.90	45	343905	17.992	ug/l	93
23) Vinyl Acetate	5.84	43	1421853	94.506	ug/l	98
24) 1,1-Dichloroethane	5.80	63	182837	17.664	ug/l	98
25) 2-Butanone	6.79	43	328300	94.882	ug/l	99
26) 2,2-Dichloropropane	6.78	77	141163	15.559	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	106123	17.198	ug/l	96
28) Bromochloromethane	7.15	49	91264	18.183	ug/l	100
29) Tetrahydrofuran	7.16	42	214701	95.295	ug/l	98
30) Chloroform	7.33	83	186077	17.954	ug/l	100
31) Cyclohexane	7.61	56	162823	17.114	ug/l #	93
32) 1,1,1-Trichloroethane	7.53	97	155669	17.230	ug/l	100
36) 1,1-Dichloropropene	7.75	75	132926	16.567	ug/l	100
37) Ethyl Acetate	6.88	43	147011	18.624	ug/l	97
38) Carbon Tetrachloride	7.73	117	132451	16.773	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	140518	16.053	ug/l	97
40) Benzene	8.00	78	398709	17.398	ug/l	99
41) Methacrylonitrile	7.13	41	66208m	18.543	ug/l	
42) 1,2-Dichloroethane	8.09	62	154130	17.726	ug/l	99
43) Isopropyl Acetate	8.13	43	243532	18.218	ug/l #	92
44) Trichloroethene	8.80	130	102331	17.074	ug/l	97
45) 1,2-Dichloropropane	9.08	63	110306	17.548	ug/l	93
46) Dibromomethane	9.17	93	73319	17.987	ug/l	99
47) Bromodichloromethane	9.37	83	148220	17.448	ug/l	98
48) Methyl methacrylate	9.17	41	114855	18.006	ug/l	99
49) 1,4-Dioxane	9.16	88	36327	367.835	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	718455	97.522	ug/l	99
52) Toluene	10.13	92	242995	17.367	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	157229	16.973	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	167787	16.823	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	96912	17.676	ug/l	96
56) Ethyl methacrylate	10.40	69	151398	18.158	ug/l	99
57) 1,3-Dichloropropane	10.68	76	171344	17.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	382981	85.635	ug/l	99
59) 2-Hexanone	10.72	43	513159	94.447	ug/l	100
60) Dibromochloromethane	10.87	129	108210	17.973	ug/l	97
61) 1,2-Dibromoethane	10.98	107	100984	17.667	ug/l	98
64) Tetrachloroethene	10.60	164	102406	17.996	ug/l	98
65) Chlorobenzene	11.41	112	258661	17.297	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	92408	16.960	ug/l	96
67) Ethyl Benzene	11.49	91	472849	17.613	ug/l	100
68) m/p-Xylenes	11.60	106	344078	34.648	ug/l	99
69) o-Xylene	11.92	106	166566	17.478	ug/l	98
70) Styrene	11.94	104	272903	17.229	ug/l	100
71) Bromoform	12.10	173	65857	17.476	ug/l #	97
73) Isopropylbenzene	12.23	105	443077	17.819	ug/l	99
74) N-amyl acetate	12.05	43	198079	19.403	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	131184	18.421	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	130712m	19.219	ug/l	
77) Bromobenzene	12.50	156	100067	17.507	ug/l	96
78) n-propylbenzene	12.57	91	506515	17.931	ug/l	99
79) 2-Chlorotoluene	12.65	91	303761	17.489	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	372835	18.057	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	44819	17.706	ug/l	99
82) 4-Chlorotoluene	12.75	91	318001	17.466	ug/l	99
83) tert-Butylbenzene	12.97	119	302295	17.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	373324	17.938	ug/l	99
85) sec-Butylbenzene	13.15	105	397856	17.859	ug/l	100
86) p-Isopropyltoluene	13.26	119	356597	17.460	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	185328	17.736	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	179453	17.293	ug/l	97
89) n-Butylbenzene	13.59	91	311206	16.879	ug/l	99
90) Hexachloroethane	13.85	117	59582	17.735	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	181201	17.545	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29192	18.026	ug/l	98

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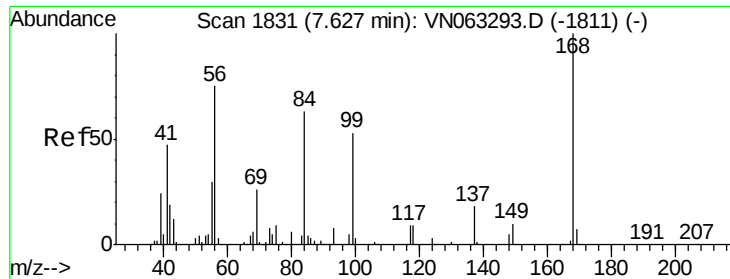
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	98747	16.335	ug/l	98
94) Hexachlorobutadiene	14.98	225	38295	16.729	ug/l	98
95) Naphthalene	15.10	128	311028	16.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	93775	16.725	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBSD01

Tot Ion:168 Resp: 431757

Ion Ratio Lower Upper

168 100

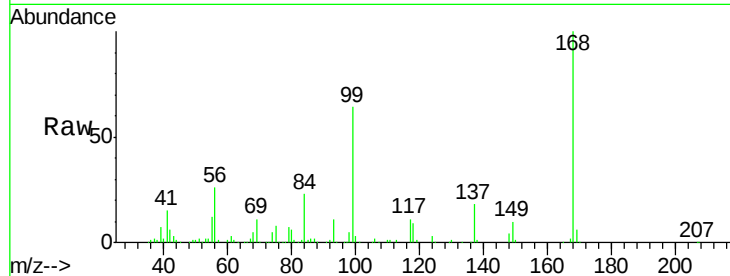
99 63.8 51.1 76.7

Manual Integrations

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9/15/2020 12:15:41 PM



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.63

200000

150000

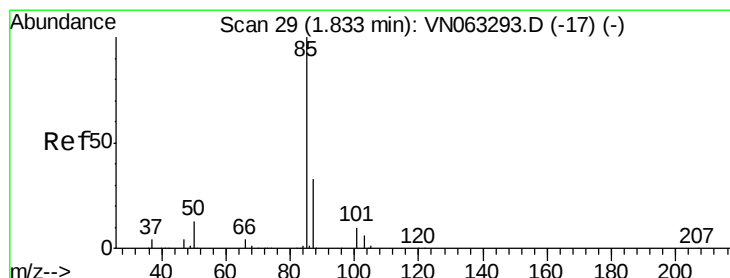
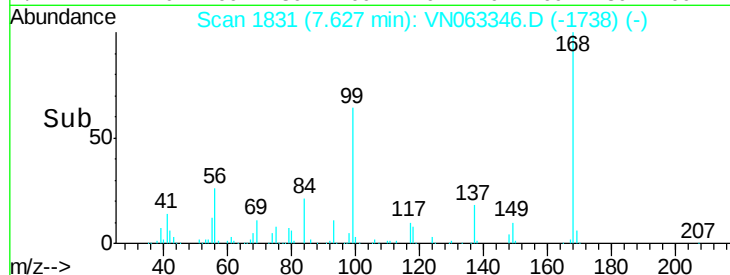
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.529 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063346.D

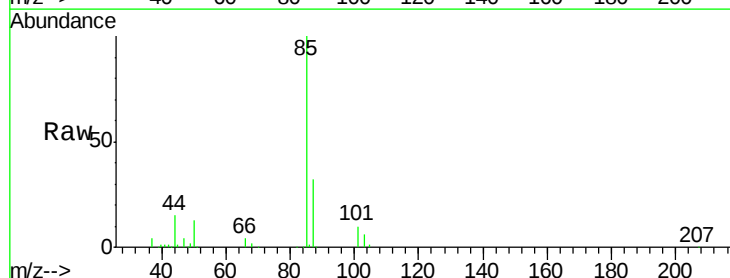
Acq: 14 Sep 2020 16:31

Tgt Ion: 85 Resp: 68539

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

60000

50000

40000

30000

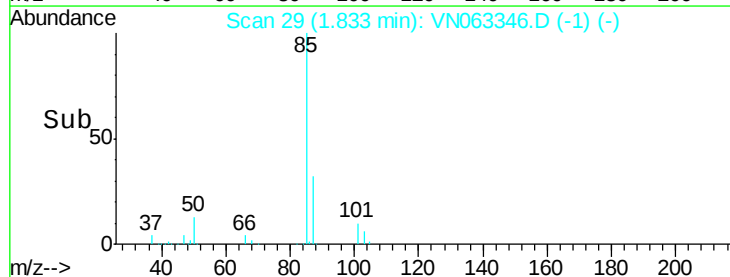
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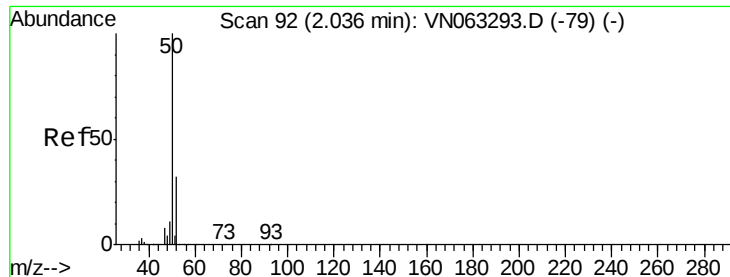
10000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.430 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBSD01

Tot Ion: 50 Resp: 103268

Ion Ratio Lower Upper

50 100

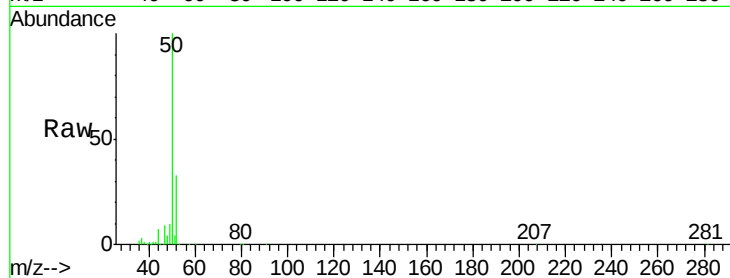
52 33.2 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

80000

60000

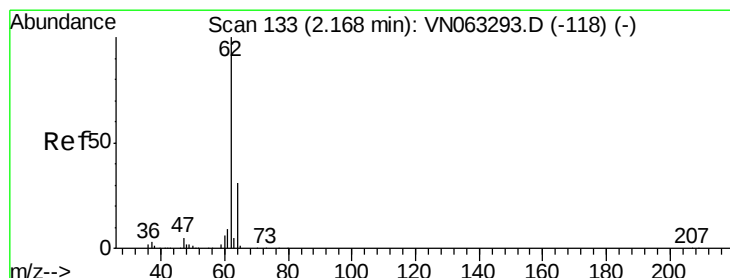
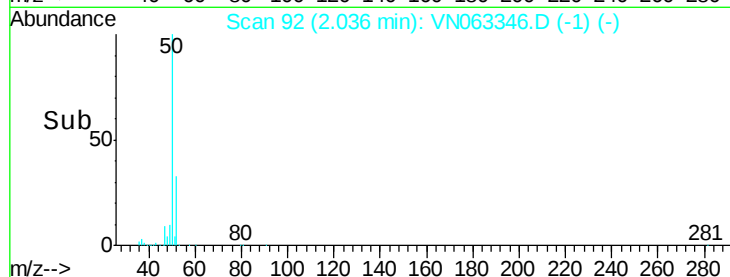
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 17.532 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063346.D

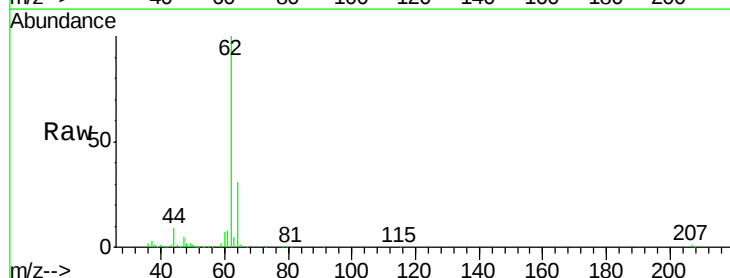
Acq: 14 Sep 2020 16:31

Tgt Ion: 62 Resp: 102851

Ion Ratio Lower Upper

62 100

64 31.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

60000

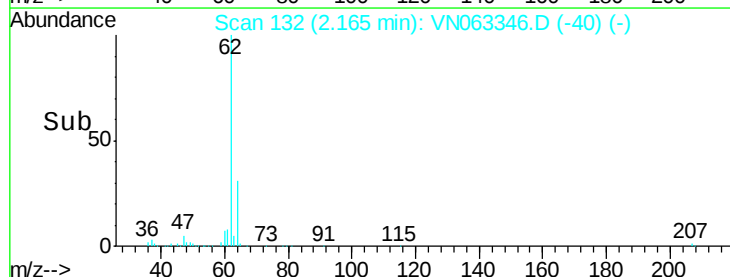
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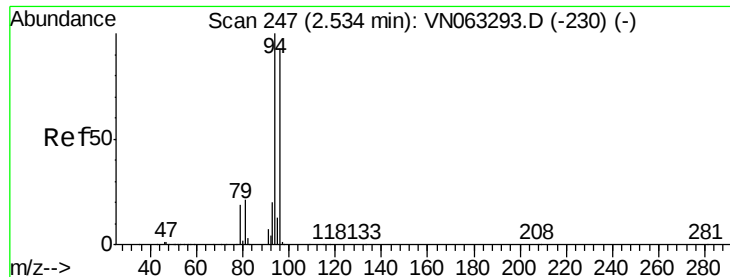
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 16.540 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBSD01

Tot Ion: 94 Resp: 67700

Ion Ratio Lower Upper

94 100

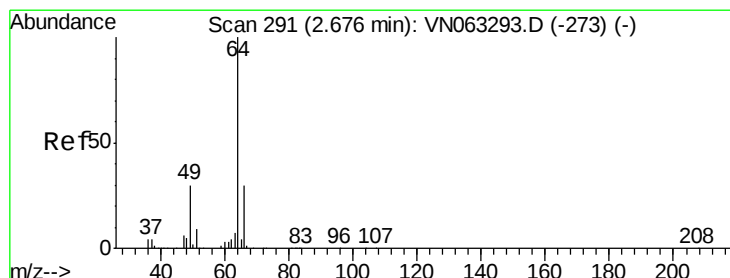
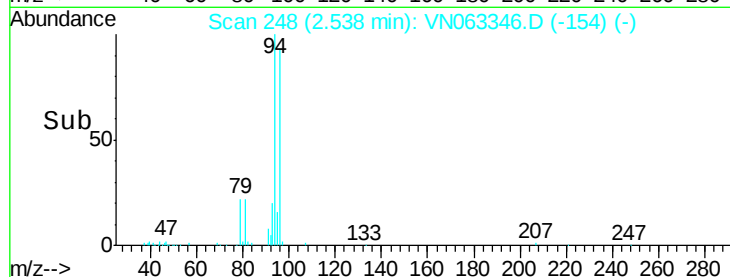
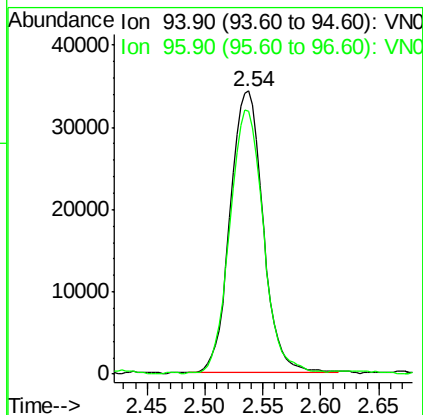
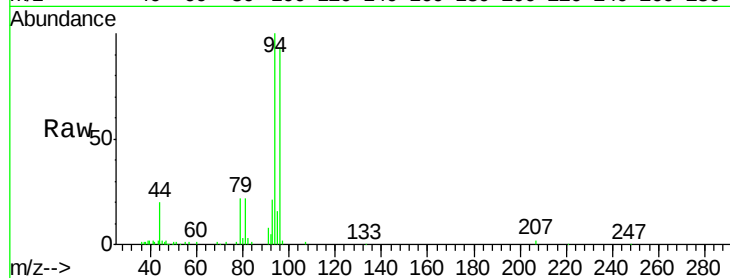
96 92.8 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 17.680 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063346.D

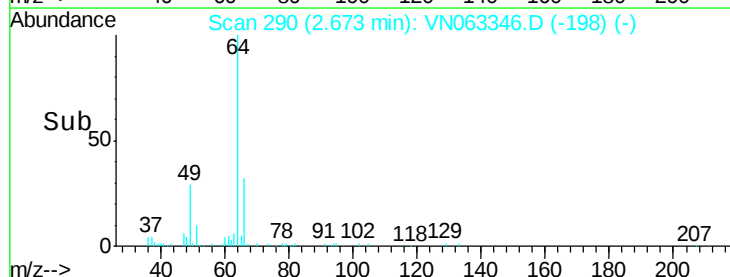
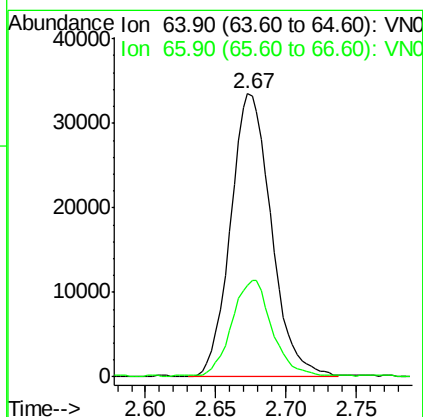
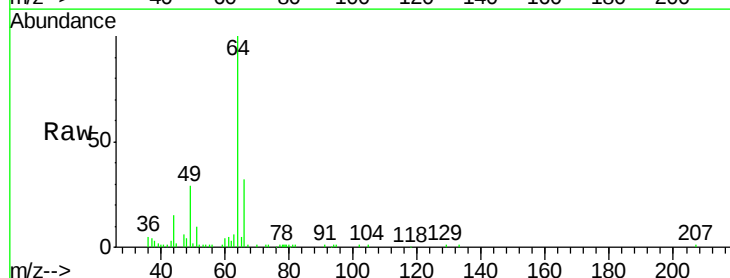
Acq: 14 Sep 2020 16:31

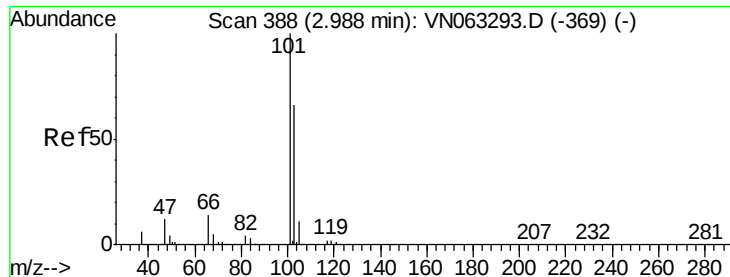
Tgt Ion: 64 Resp: 67850

Ion Ratio Lower Upper

64 100

66 31.8 23.8 35.6





#7

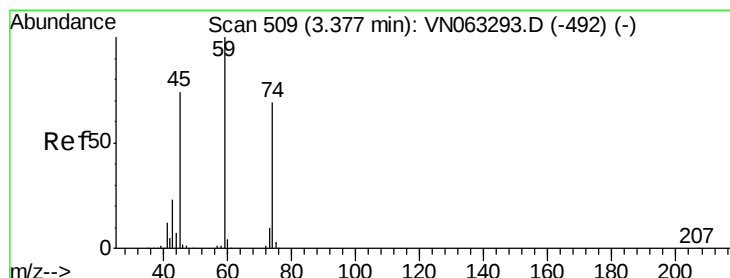
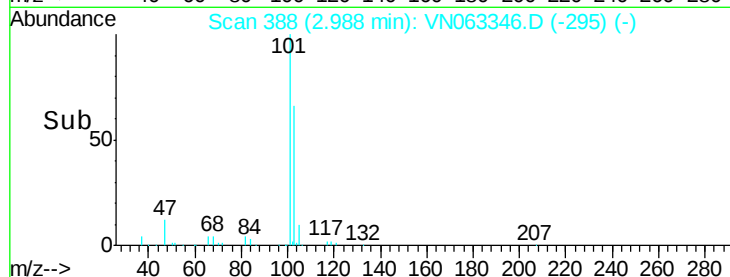
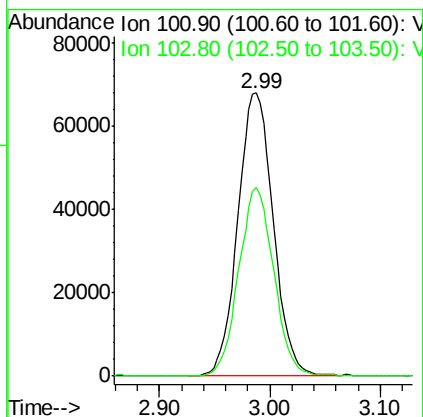
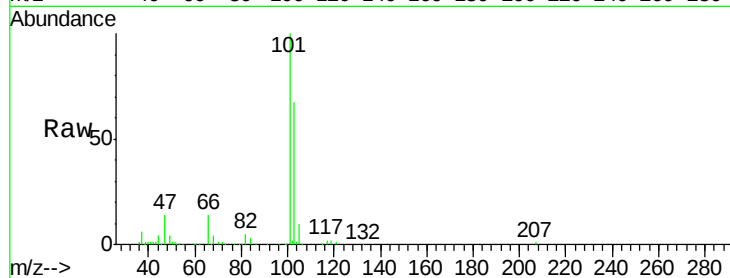
Trichlorofluoromethane
 Concen: 16.741 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
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 VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.4	78.6

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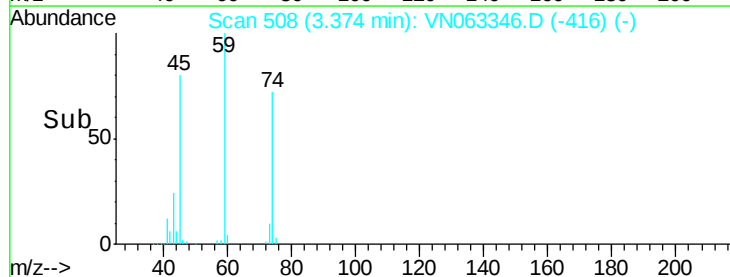
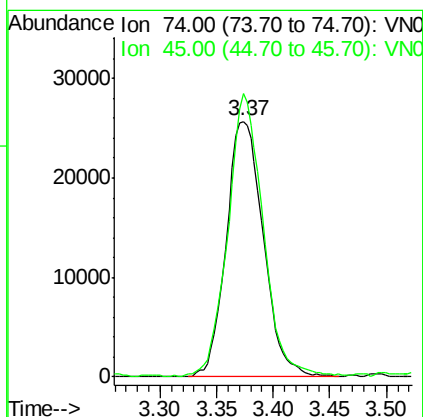
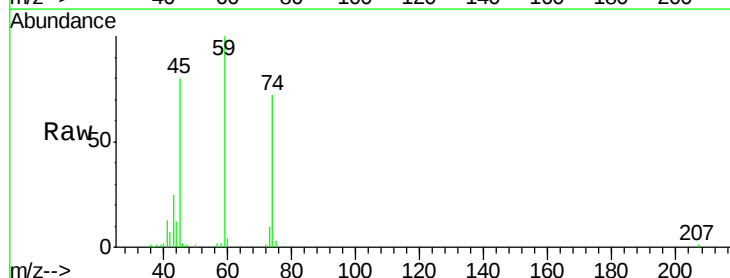
MMDadoda
 9/15/2020 12:15:41 PM

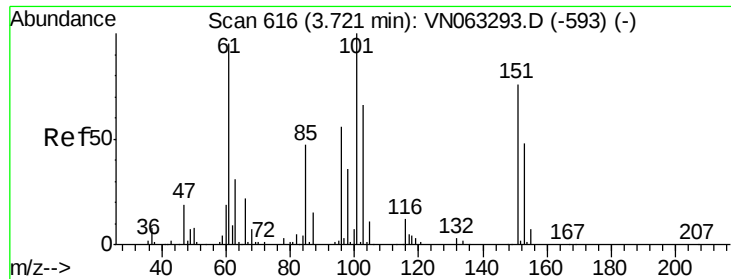


#8

Diethyl Ether
 Concen: 18.172 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	52.7	158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.790 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

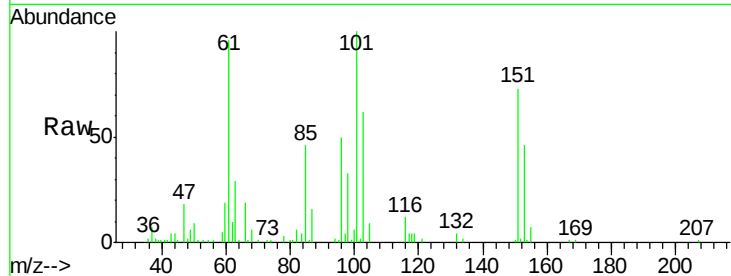
ClientSampleId :

VN0914MBS01

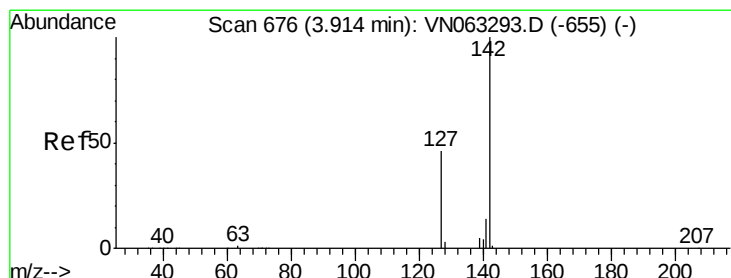
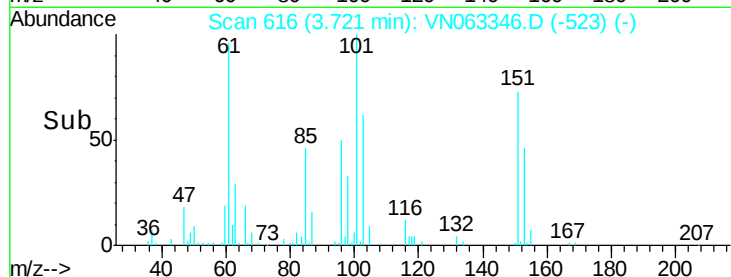
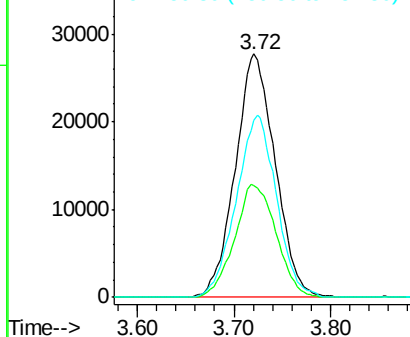
Tot Ion:	101	Resp:	79580
Ion Ratio	Lower	Upper	
101	100		
85	48.0	36.9	55.3
151	75.2	57.8	86.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.367 ug/l

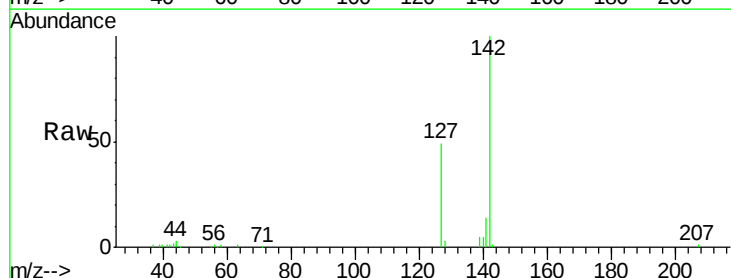
RT: 3.91 min Scan# 676

Delta R.T. -0.00 min

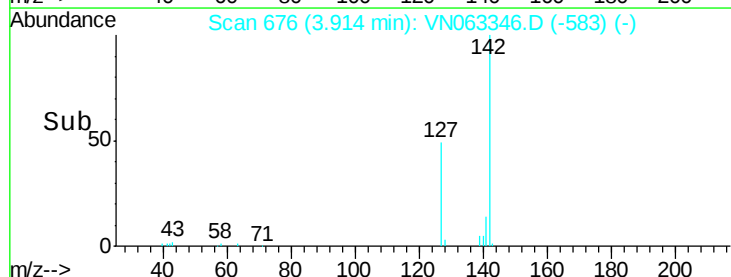
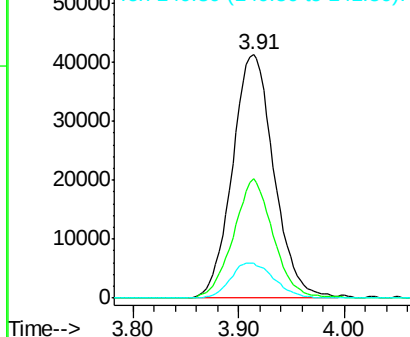
Lab File: VN063346.D

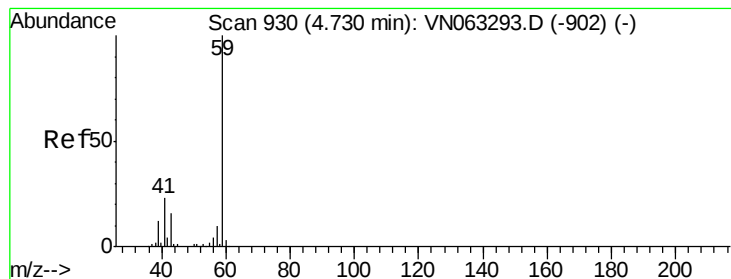
Acq: 14 Sep 2020 16:31

Tgt Ion:	142	Resp:	112849
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.1	55.7
141	15.0	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

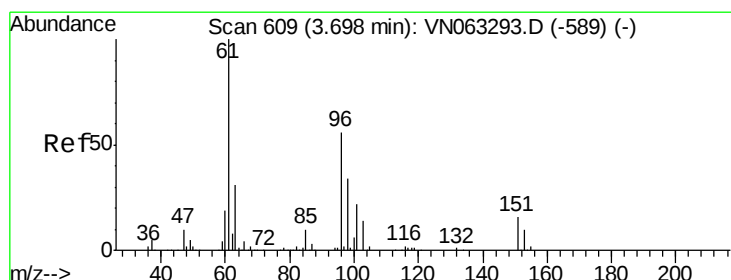
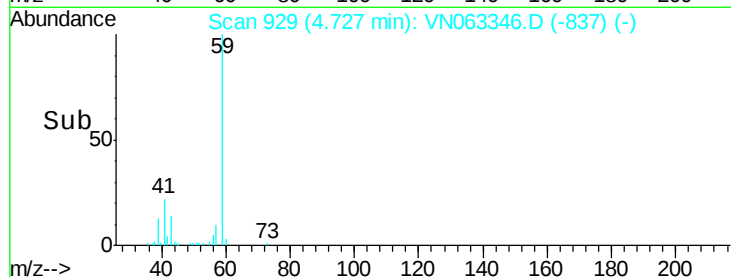
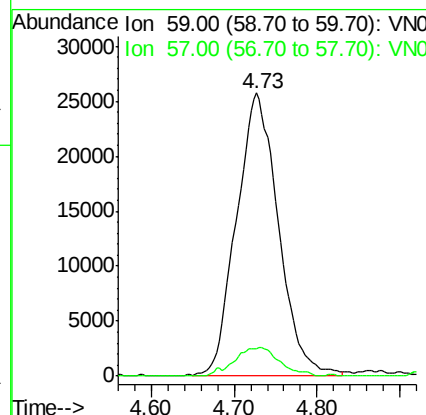
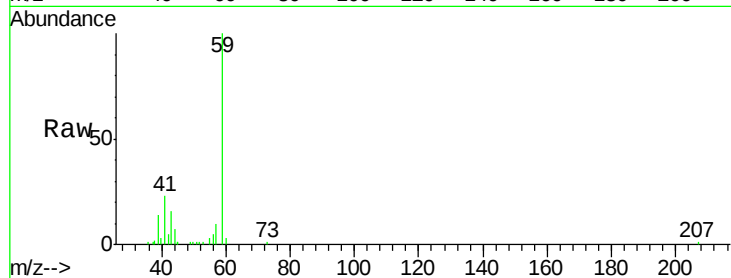
Tert butyl alcohol
Concen: 101.001 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Manual Integrations
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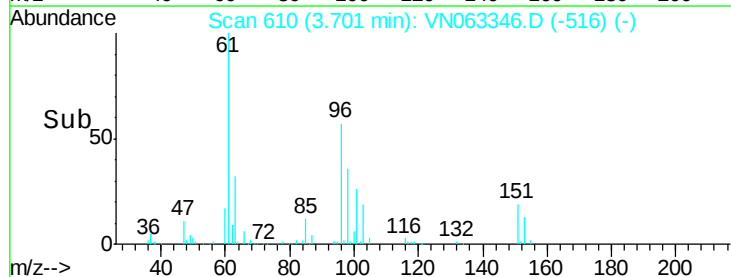
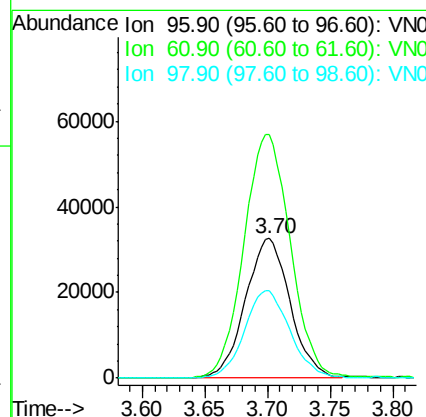
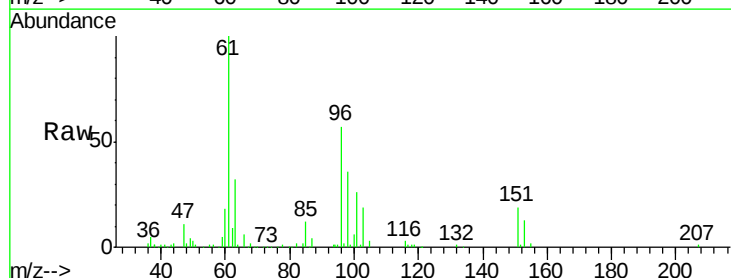
MMDadoda
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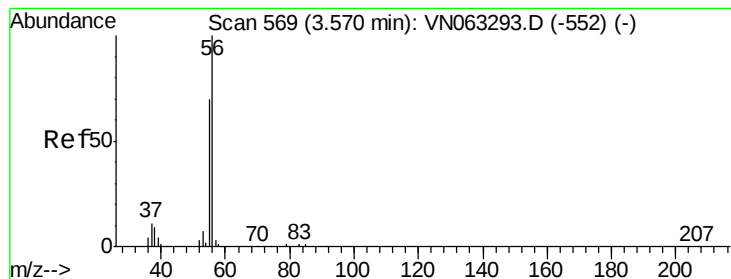


#12

1,1-Dichloroethene
Concen: 17.090 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.7	142.1	213.1
98	62.7	48.8	73.2





#13

Acrolein

Concen: 125.979 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBSD01

Tot Ion: 56 Resp: 52546

Ion Ratio Lower Upper

56 100

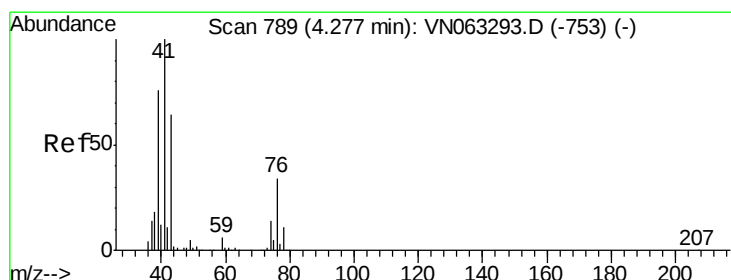
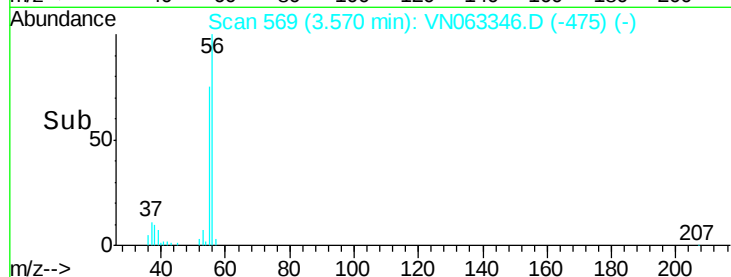
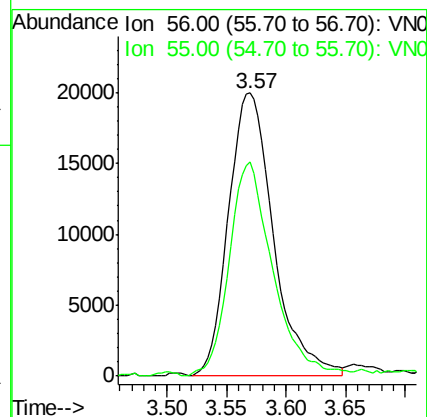
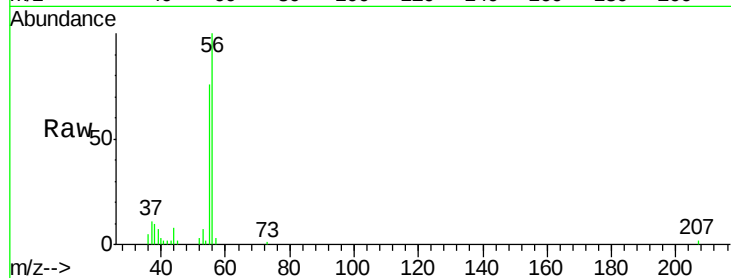
55 72.3 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 16.550 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

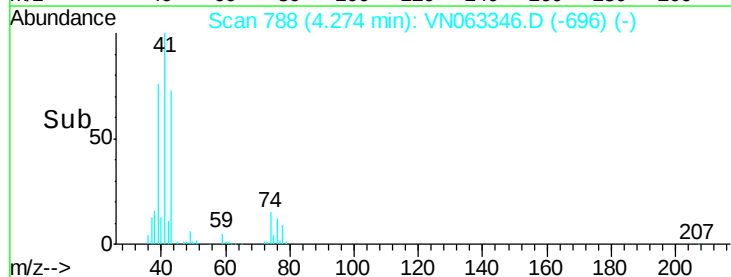
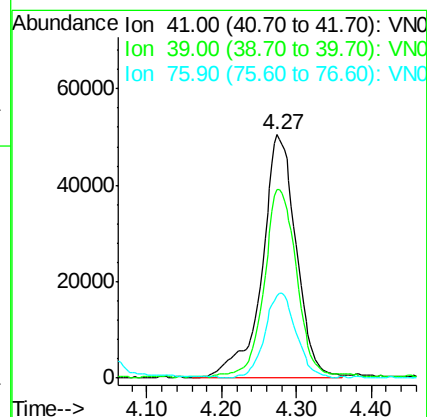
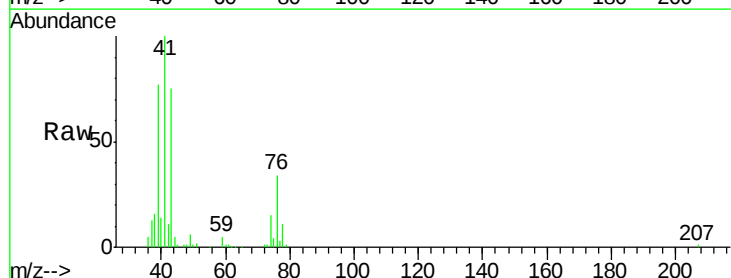
Tgt Ion: 41 Resp: 160740

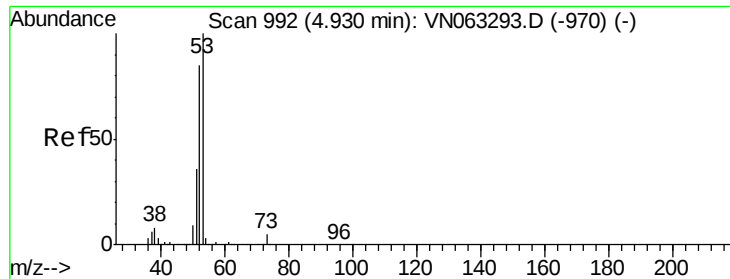
Ion Ratio Lower Upper

41 100

39 72.6 57.4 86.2

76 31.2 25.7 38.5





#15

Acrylonitrile

Concen: 97.275 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

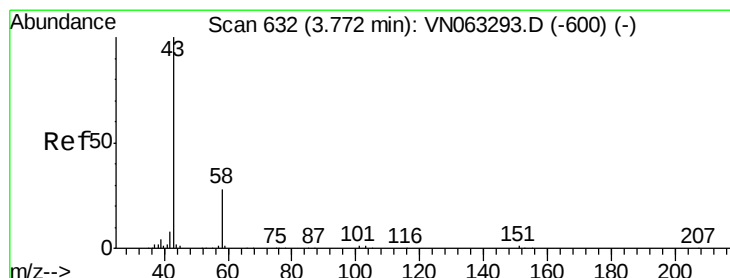
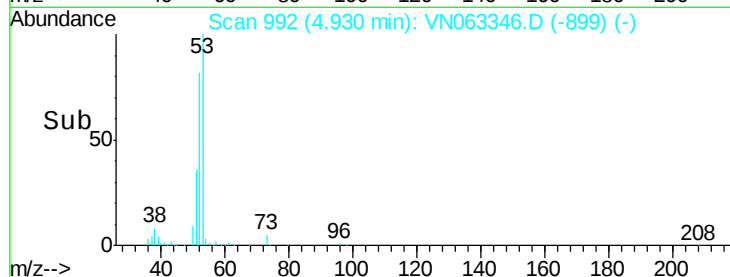
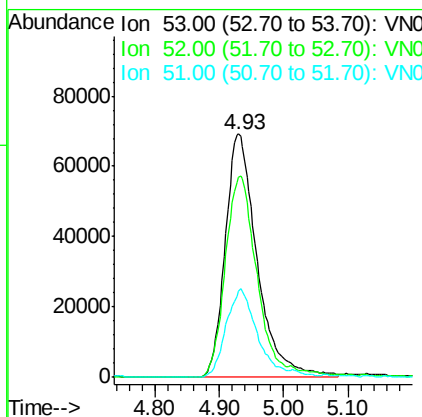
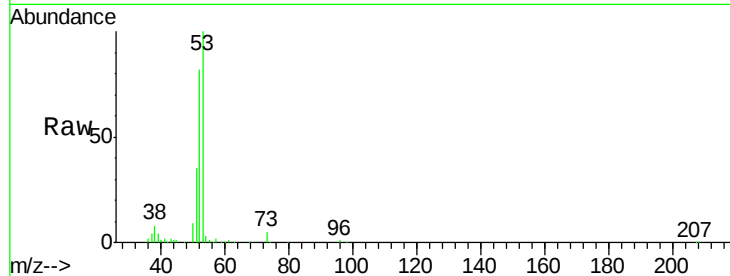
ClientSampleId :

VN0914MBSD01

Tot Ion:	53	Resp:	238536
Ion Ratio		Lower	Upper
53	100		
52	80.1	66.5	99.7
51	35.1	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 89.413 ug/l

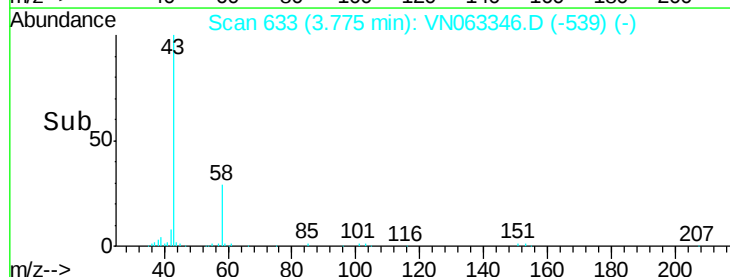
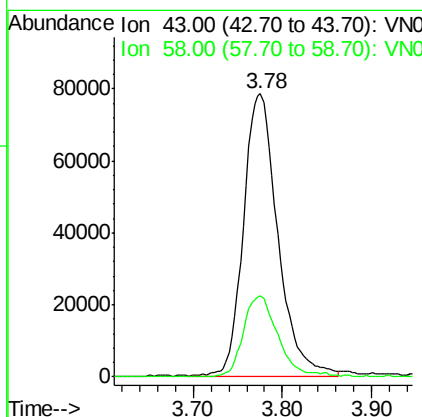
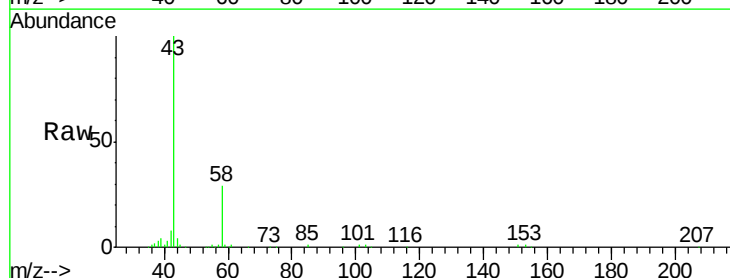
RT: 3.78 min Scan# 633

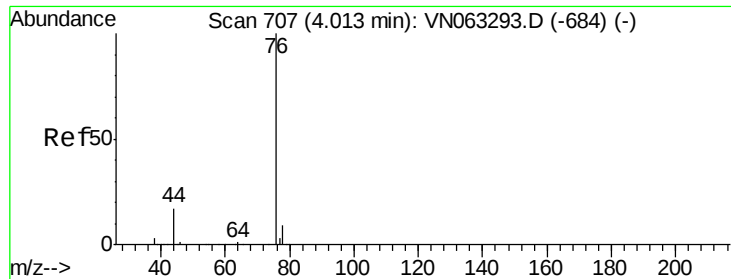
Delta R.T. 0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Tgt Ion:	43	Resp:	209437
Ion Ratio		Lower	Upper
43	100		
58	28.4	22.6	34.0





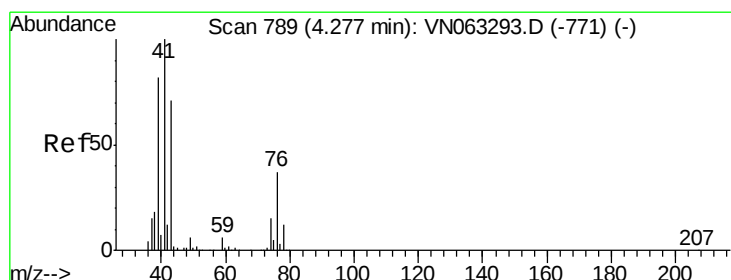
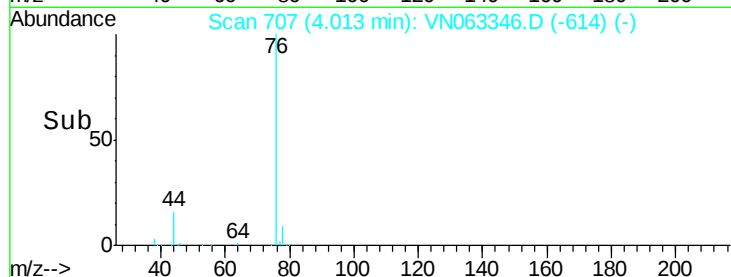
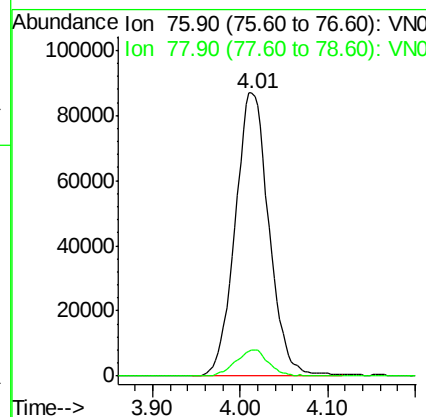
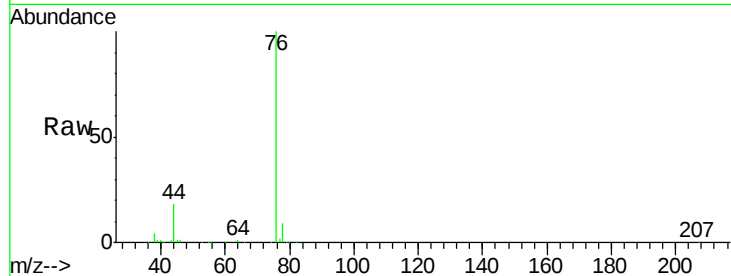
#17
Carbon Disulfide
Concen: 16.945 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

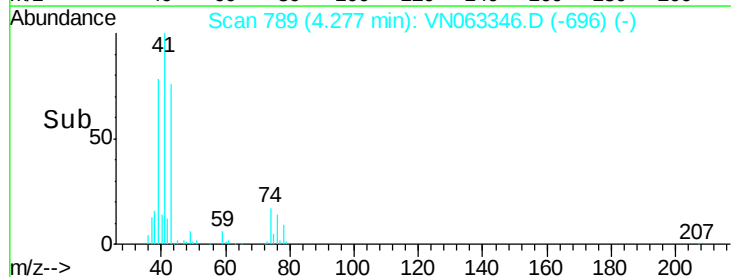
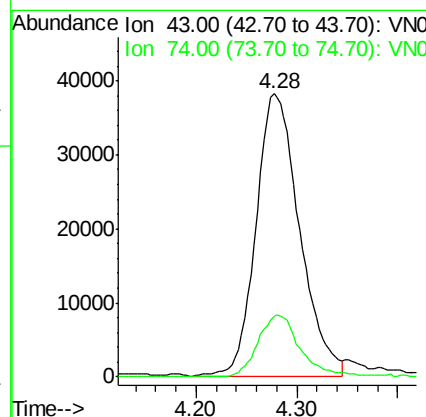
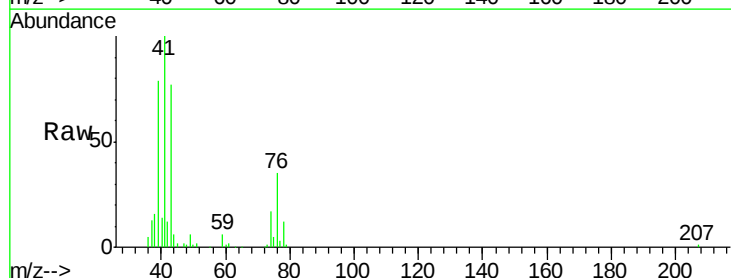
Manual Integrations
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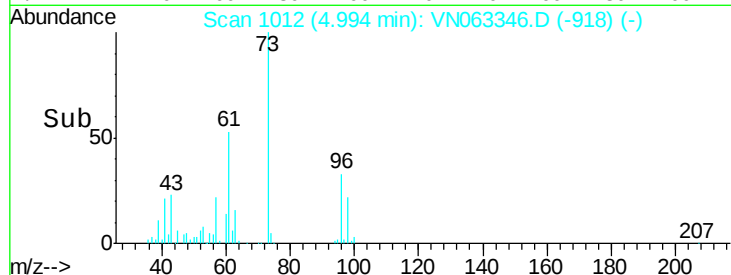
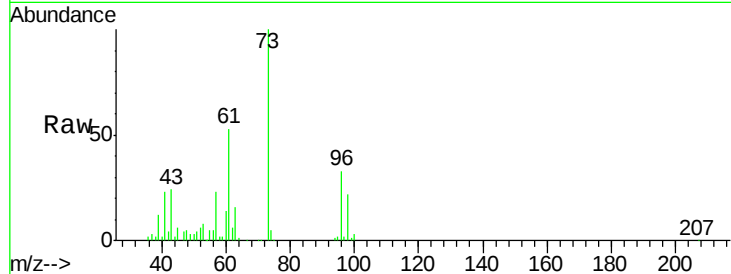
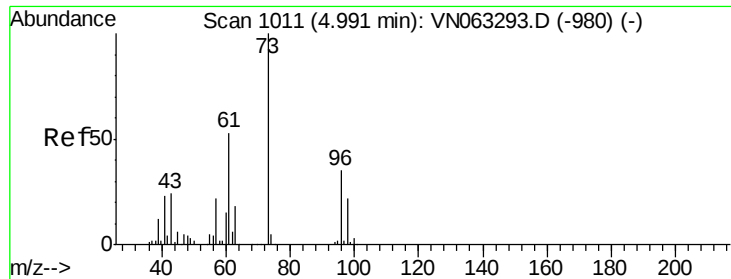
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#18
Methyl Acetate
Concen: 19.552 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.8	26.6





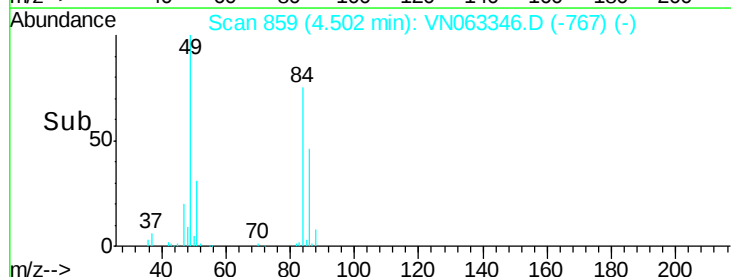
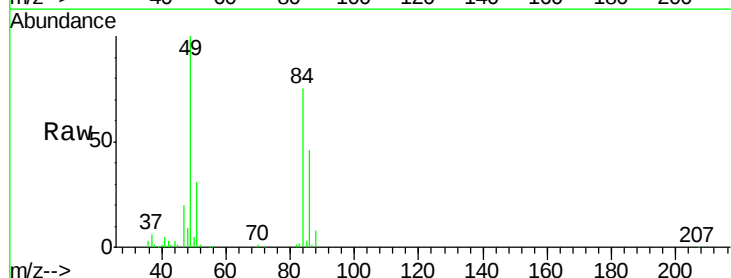
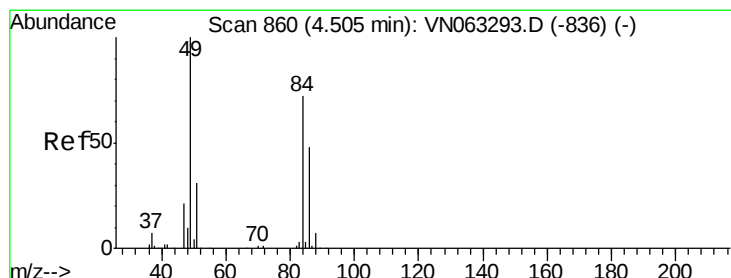
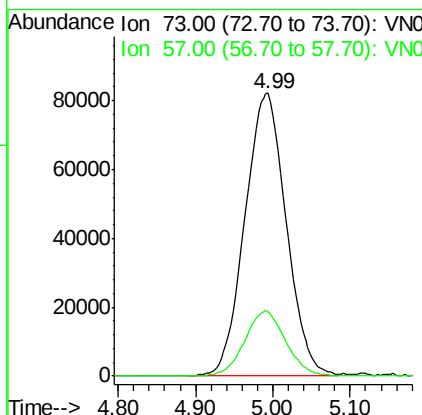
#19
Methvl tert-butvl Ether
Concen: 18.114 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tot Ion: 73 Resp: 306239
Ion Ratio Lower Upper
73 100
57 22.8 17.5 26.3

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

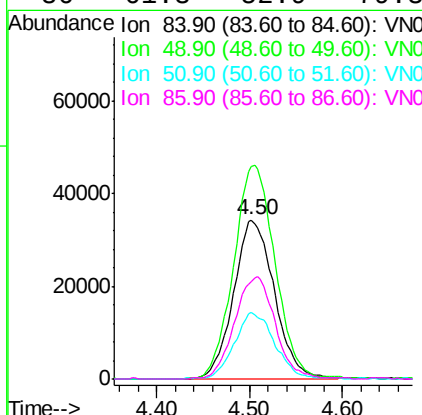
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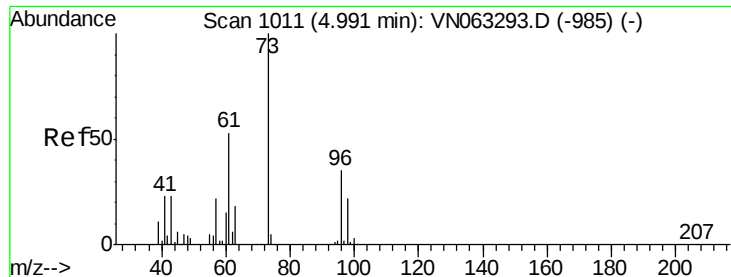
MMDadoda
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#20
Methylene Chloride
Concen: 18.873 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion: 84 Resp: 104877
Ion Ratio Lower Upper
84 100
49 133.4 111.1 166.7
51 41.2 34.3 51.5
86 61.3 52.9 79.3





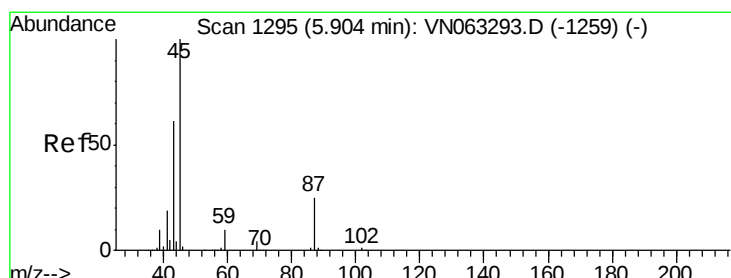
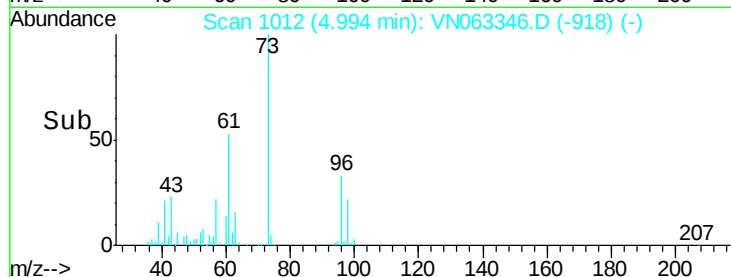
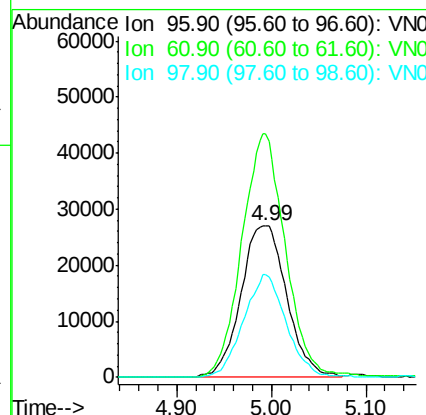
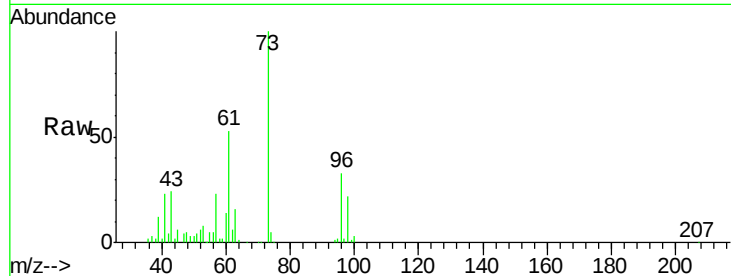
#21
trans-1,2-Dichloroethene
Concen: 17.197 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	121.8	182.8
98	68.2	51.2	76.8

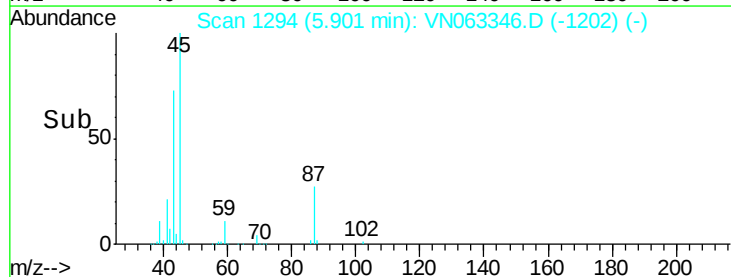
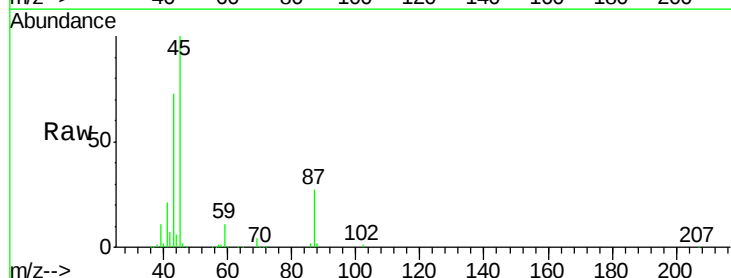
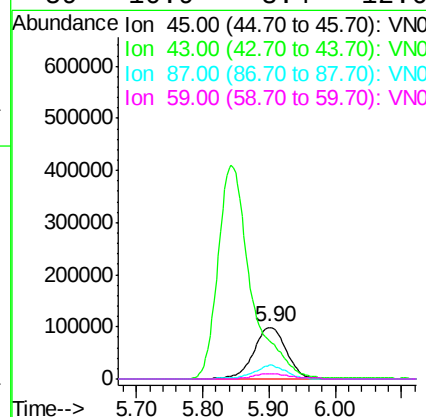
Manual Integrations
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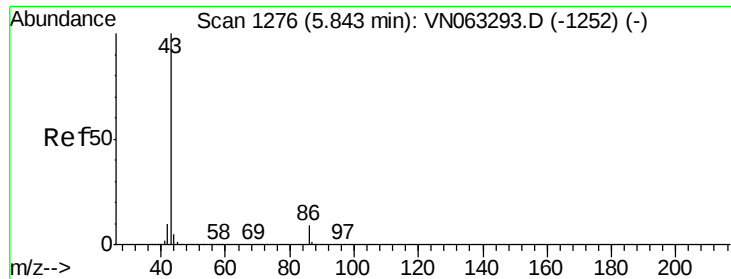
MMDadoda
9/15/2020 12:15:41 PM



#22
Diisopropyl ether
Concen: 17.992 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.5	50.3	75.5
87	26.5	20.7	31.1
59	10.9	8.4	12.6





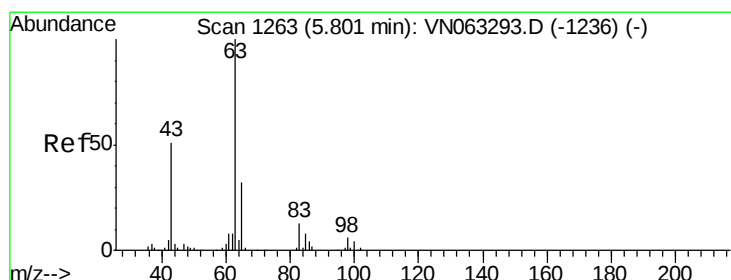
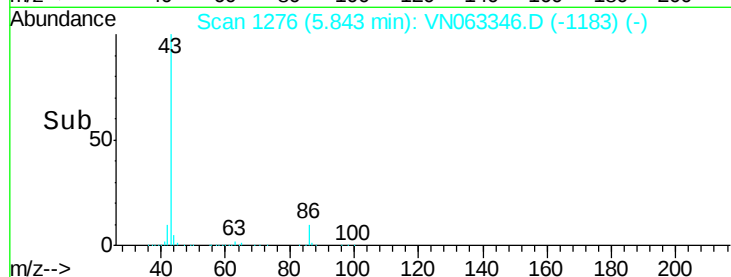
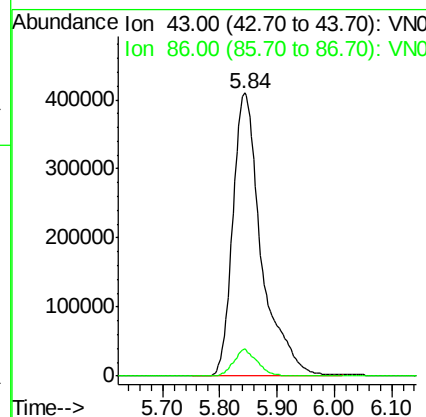
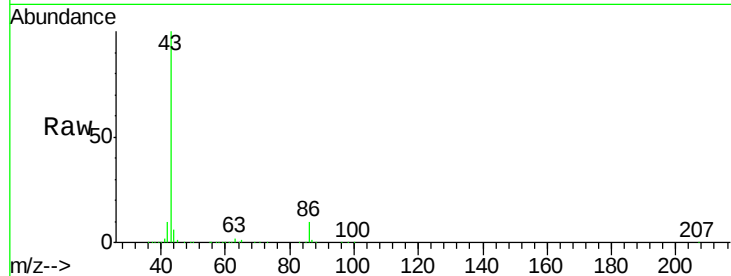
#23
 Vinyl Acetate
 Concen: 94.506 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion: 43 Resp: 1421853
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.2 10.8

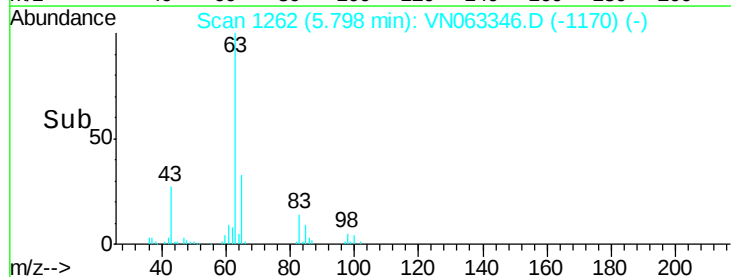
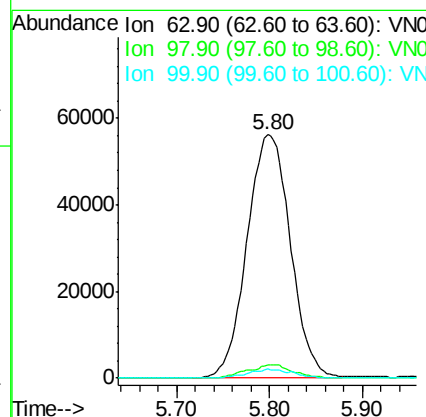
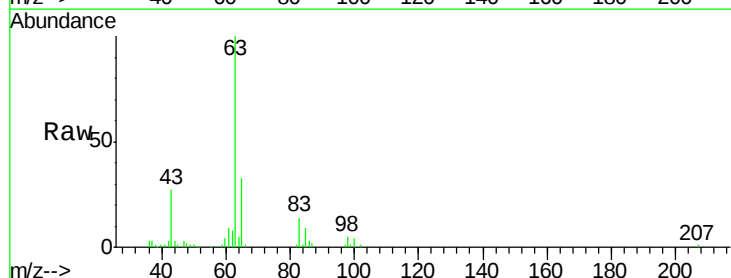
Manual Integrations
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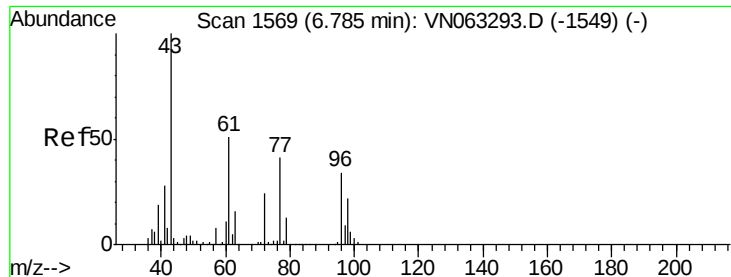
MMDadoda
 9/15/2020 12:15:41 PM



#24
 1,1-Dichloroethane
 Concen: 17.664 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion: 63 Resp: 182837
 Ion Ratio Lower Upper
 63 100
 98 5.2 3.1 9.3
 100 3.7 2.0 6.0





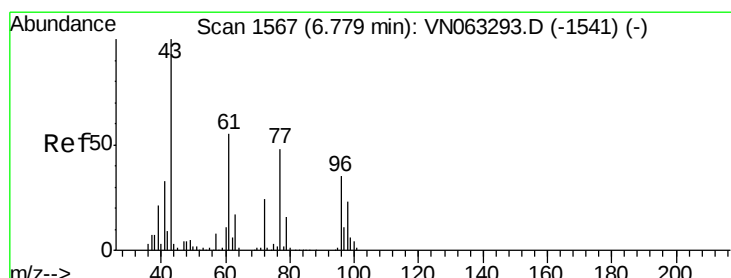
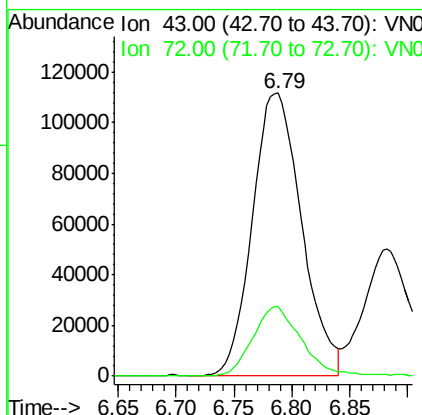
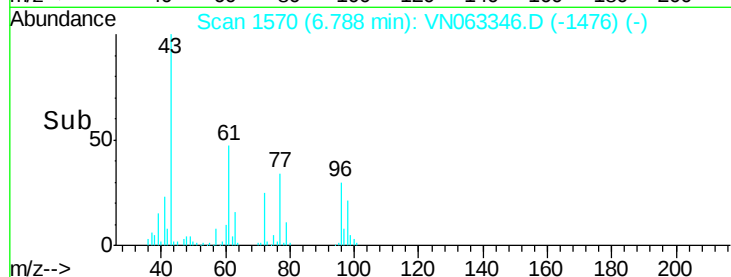
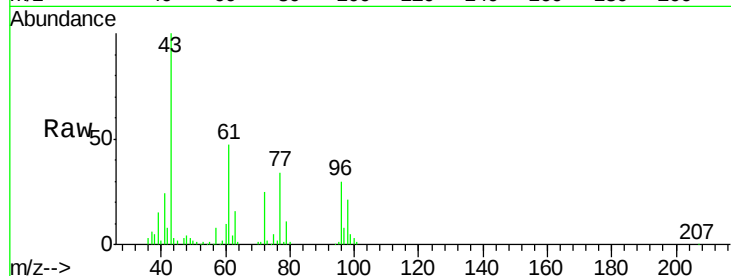
#25
2-Butanone
Concen: 94.882 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion: 43 Resp: 328300
Ion Ratio Lower Upper
43 100
72 24.7 19.4 29.2

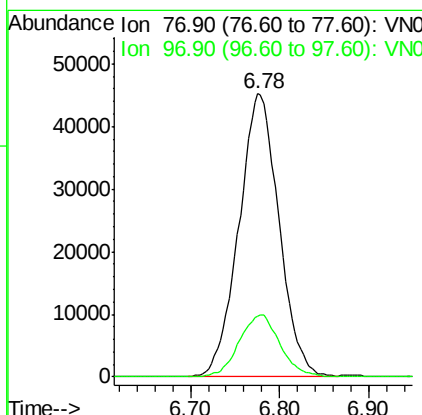
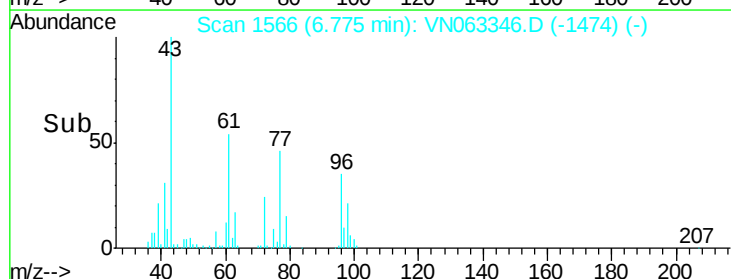
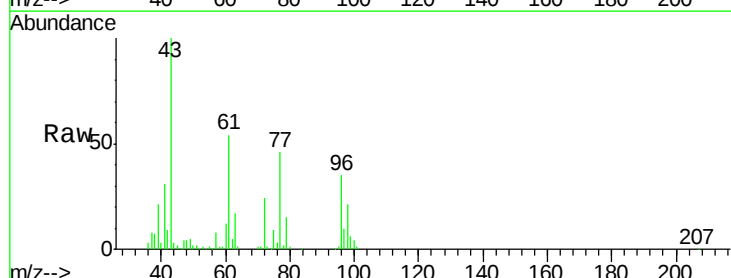
Manual Integrations
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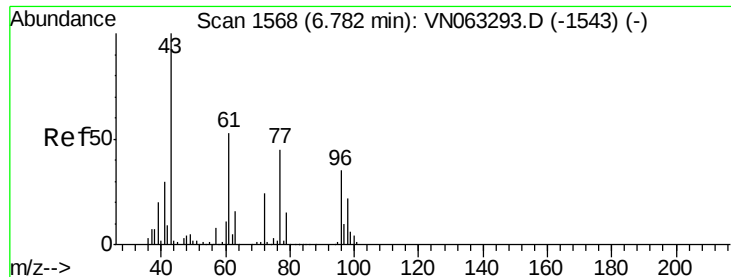
MMDadoda
9/15/2020 12:15:41 PM



#26
2,2-Dichloropropane
Concen: 15.559 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion: 77 Resp: 141163
Ion Ratio Lower Upper
77 100
97 22.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 17.198 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

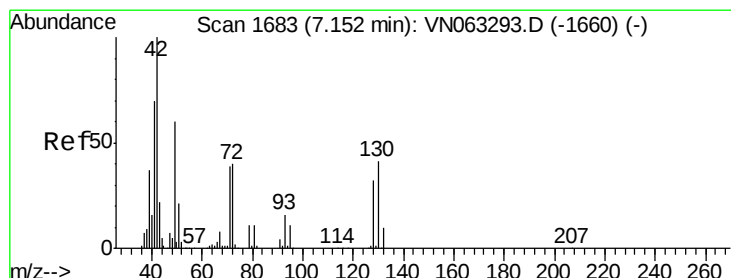
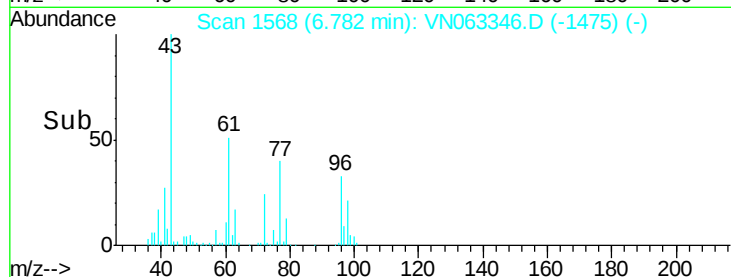
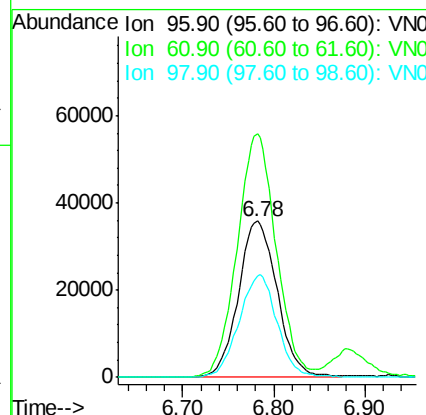
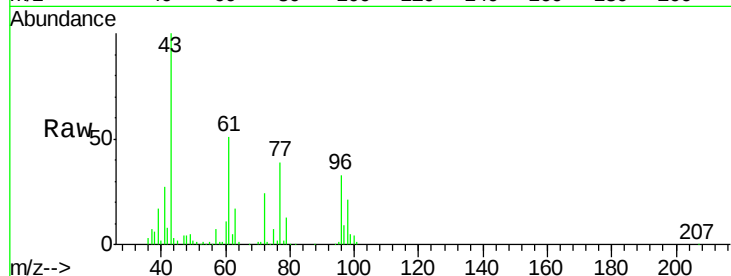
ClientSampleId :

VN0914MBSD01

Tot Ion:	96	Resp:	106123
Ion Ratio	Lower	Upper	
96	100		
61	155.8	0.0	322.8
98	64.6	0.0	132.2

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#28

Bromochloromethane

Concen: 18.183 ug/l

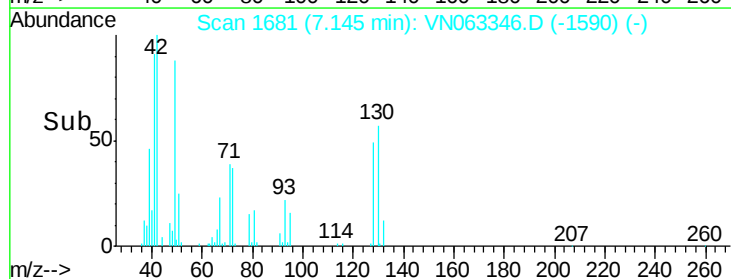
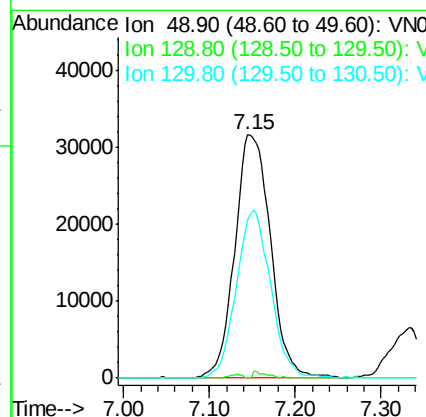
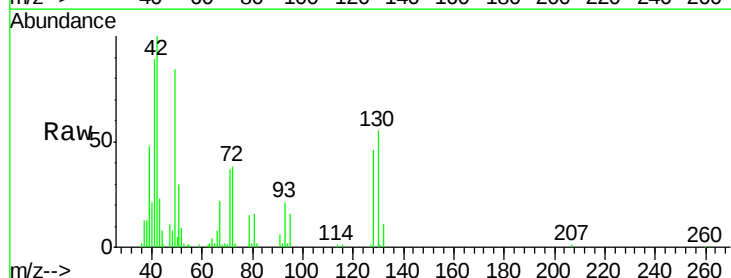
RT: 7.15 min Scan# 1681

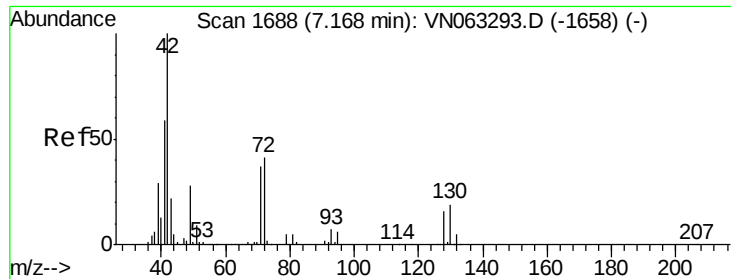
Delta R.T. -0.01 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Tgt Ion:	49	Resp:	91264
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	3.4
130	66.3	53.1	79.7





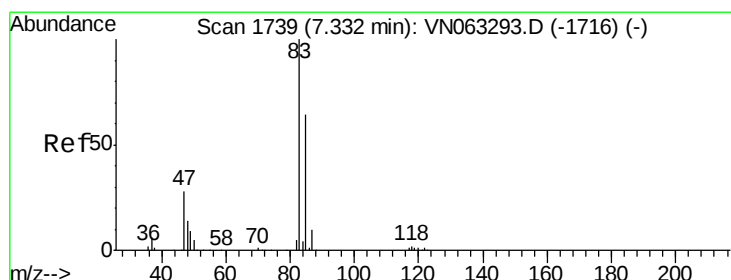
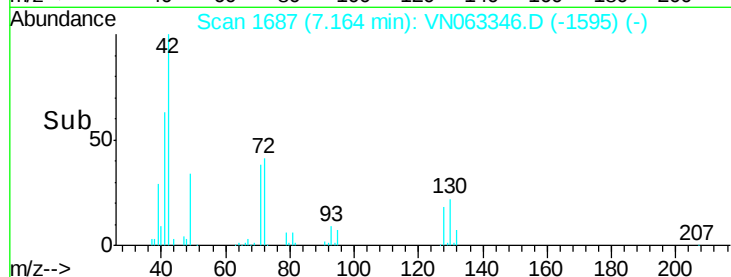
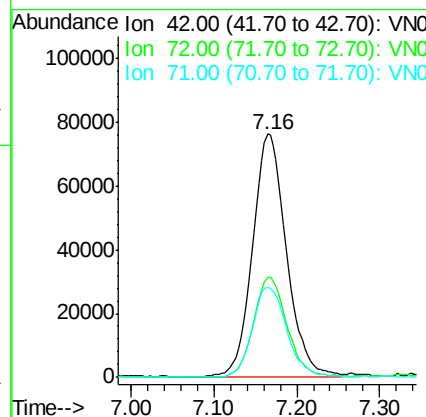
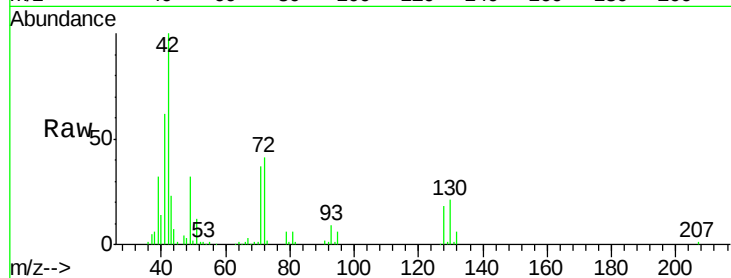
#29
Tetrahydrofuran
Concen: 95.295 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	31.4	47.2
71	38.2	30.0	45.0

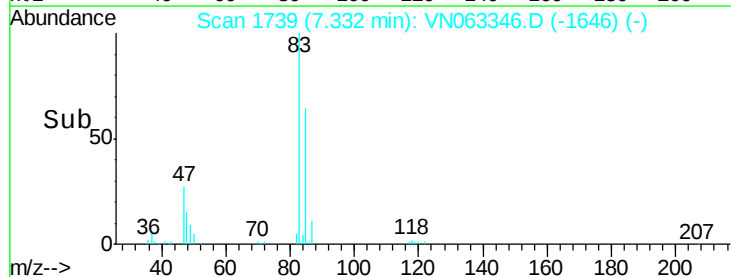
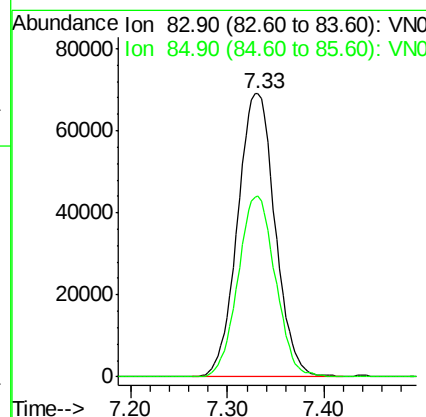
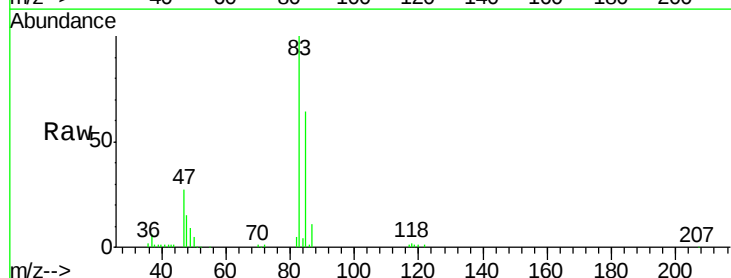
Manual Integrations
APPROVED

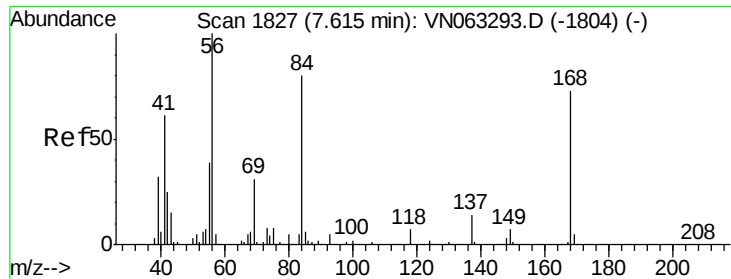
MMDadoda
9/15/2020 12:15:41 PM



#30
Chloroform
Concen: 17.954 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.2	76.8





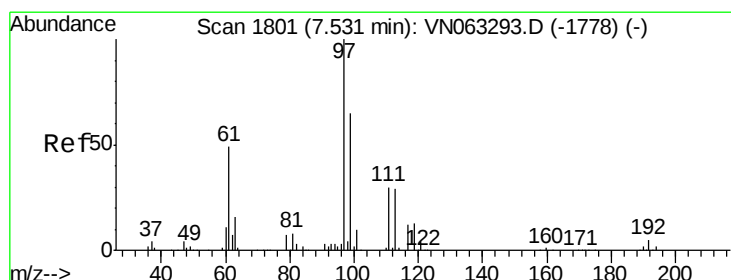
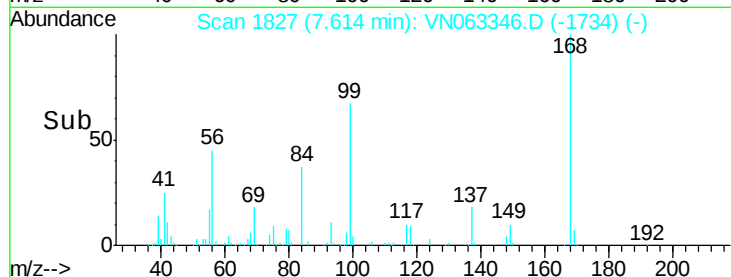
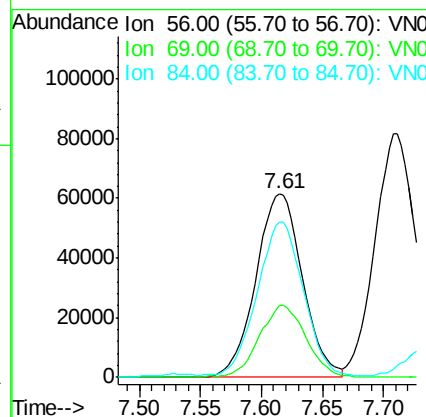
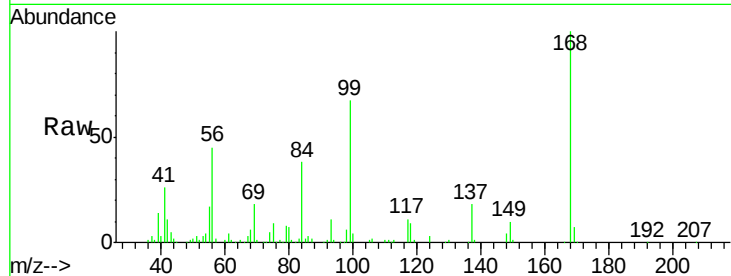
#31
Cyclohexane
Concen: 17.114 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleID :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.2	25.1	37.7#
84	83.6	64.2	96.2

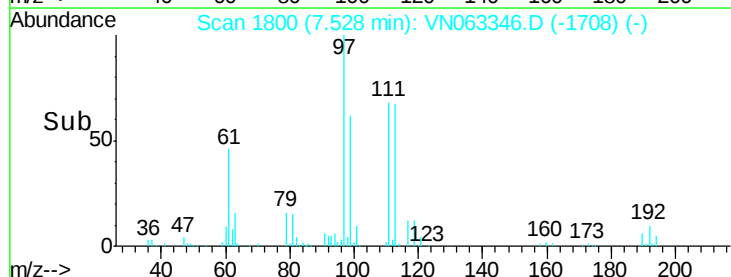
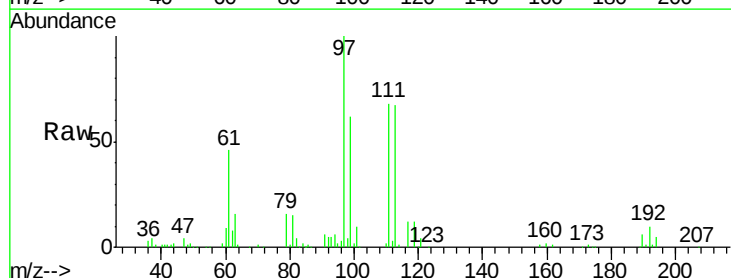
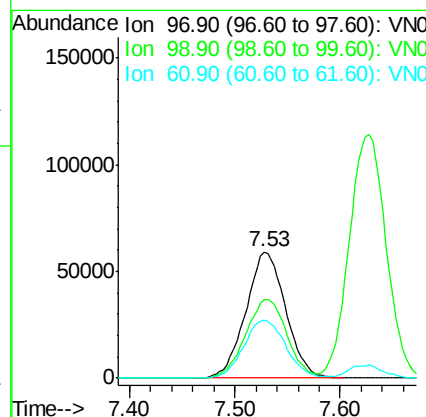
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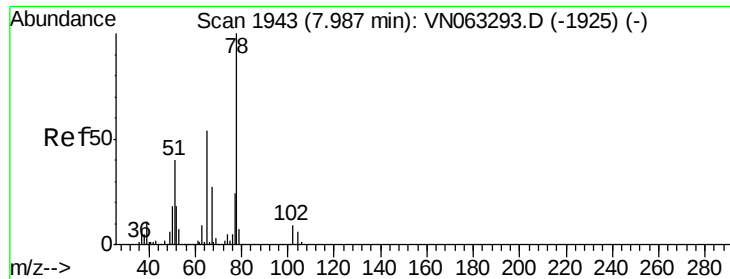
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#32
1,1,1-Trichloroethane
Concen: 17.230 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	48.6	38.9	58.3





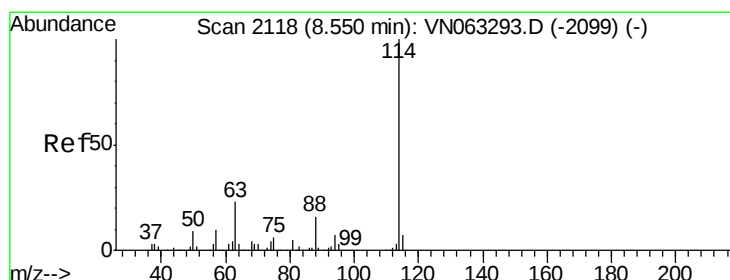
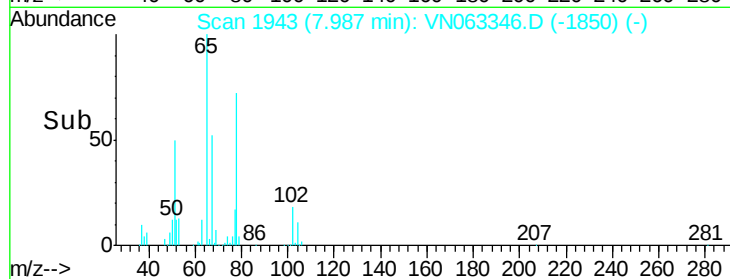
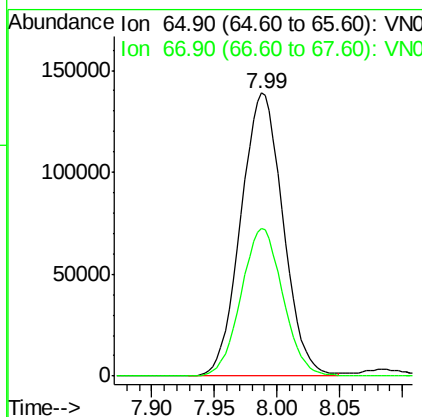
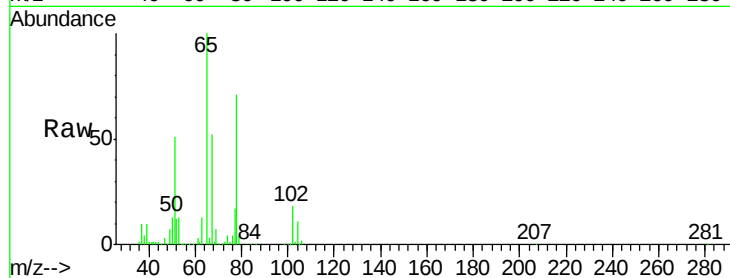
#33
 1,2-Dichloroethane-d4
 Concen: 48.003 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.6	

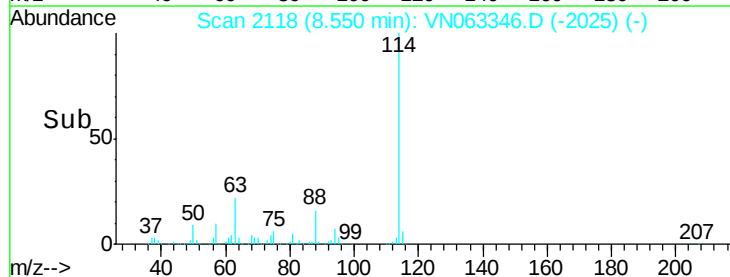
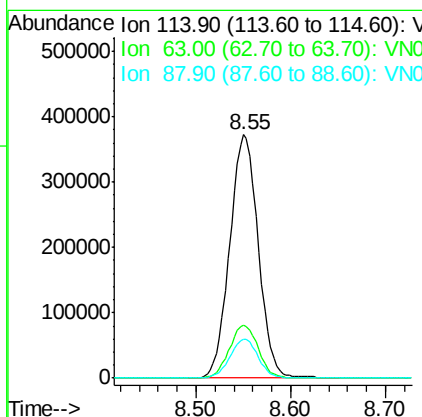
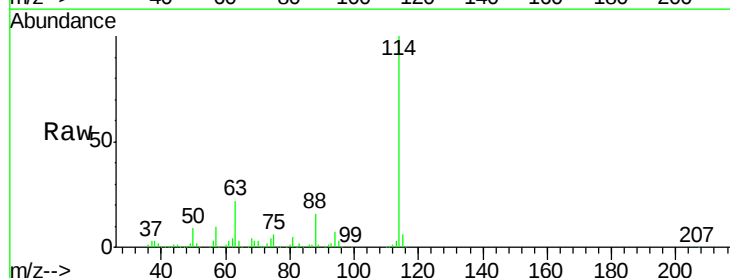
Manual Integrations
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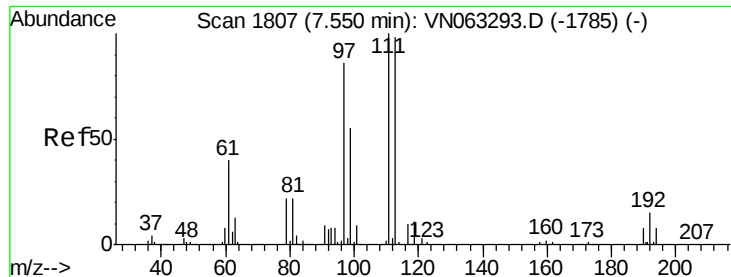
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	46.0	
88	16.0	0.0	32.8	





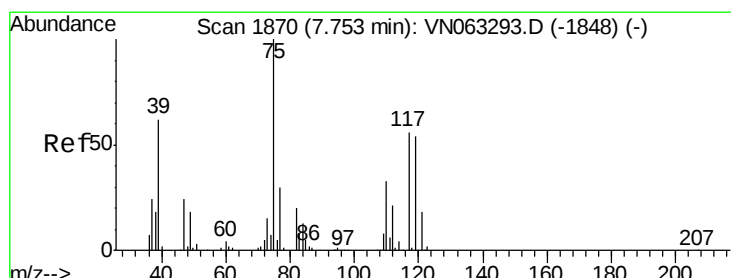
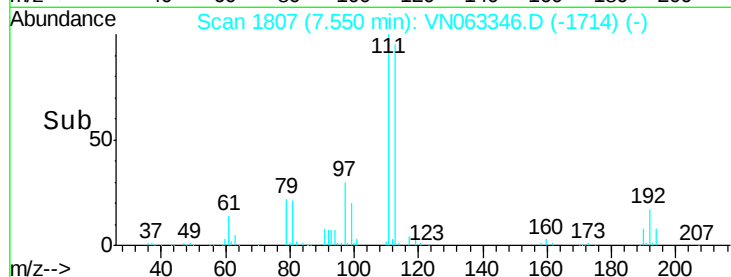
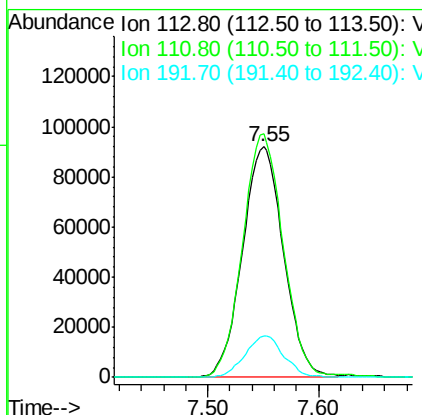
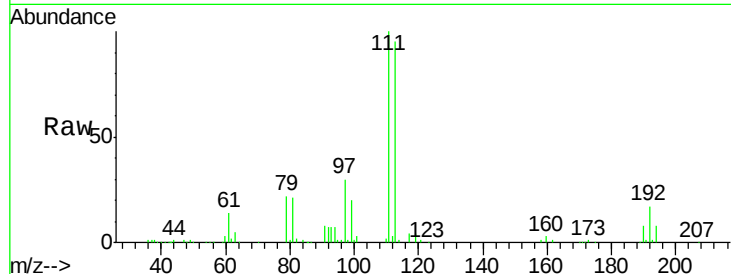
#35
 Dibromofluoromethane
 Concen: 47.143 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237405		
111	104.1	82.2	123.2	
192	17.1	12.9	19.3	

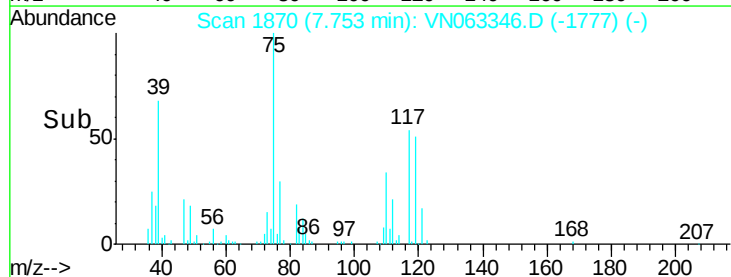
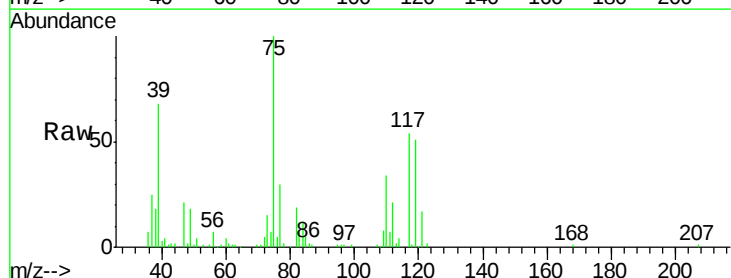
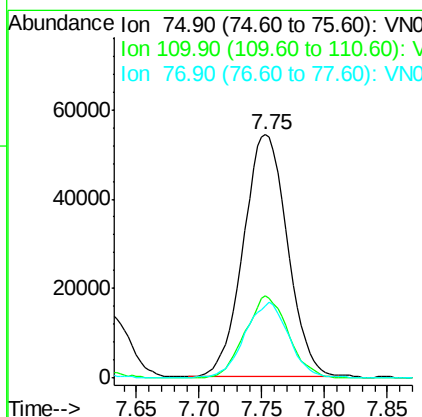
Manual Integrations
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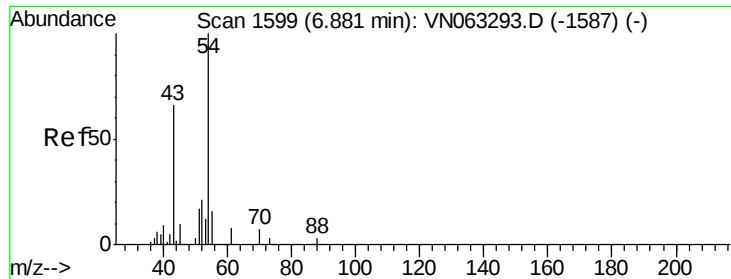
MMDadoda
 9/15/2020 12:15:41 PM



#36
 1,1-Dichloropropene
 Concen: 16.567 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132926		
110	33.2	16.4	49.4	
77	31.2	24.8	37.2	





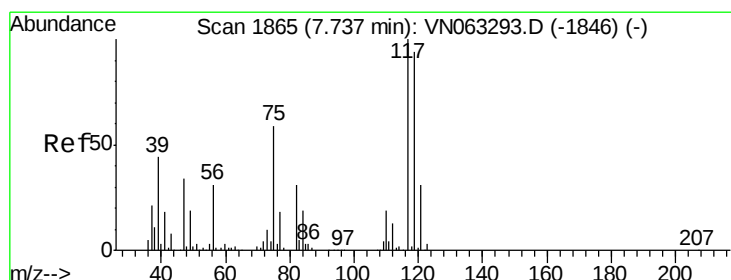
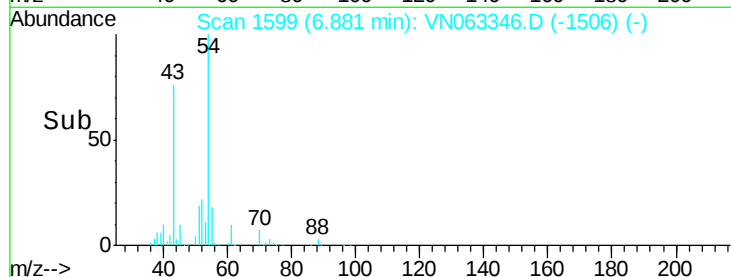
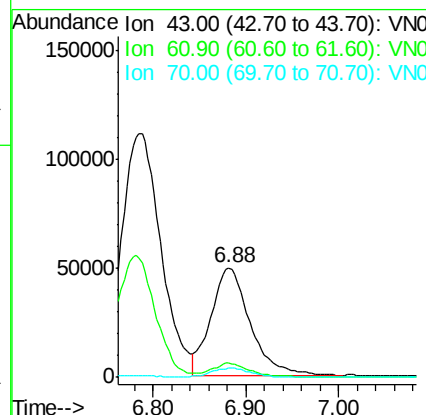
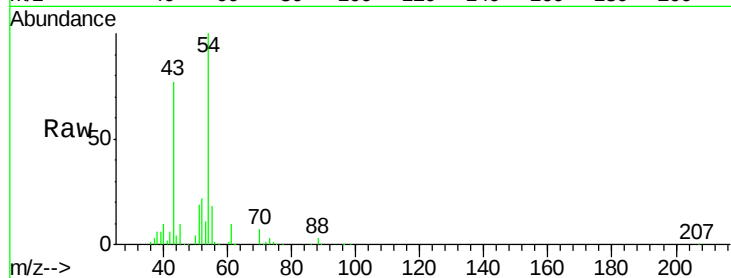
#37
Ethyl Acetate
Concen: 18.624 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	147011		
61	11.1	10.1	15.1	
70	8.8	7.4	11.2	

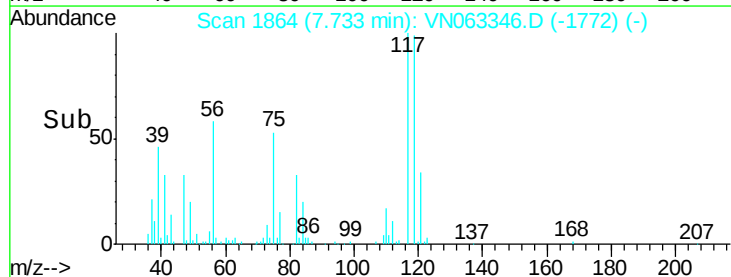
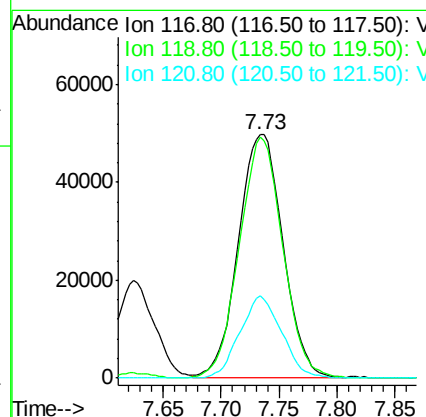
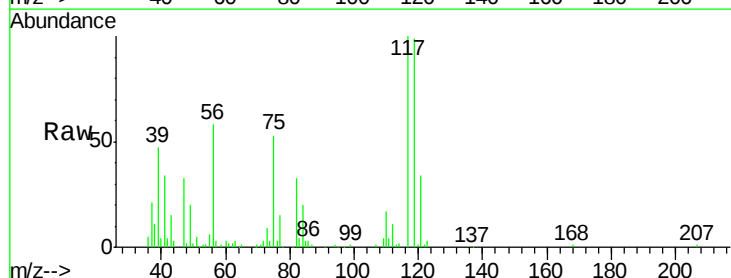
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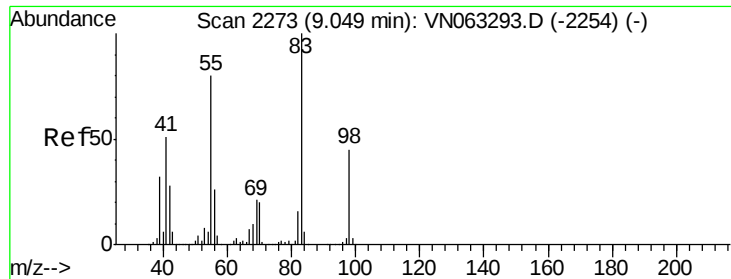
MMDadoda
9/15/2020 12:15:41 PM



#38
Carbon Tetrachloride
Concen: 16.773 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	132451		
119	98.9	75.3	112.9	
121	33.7	24.6	37.0	





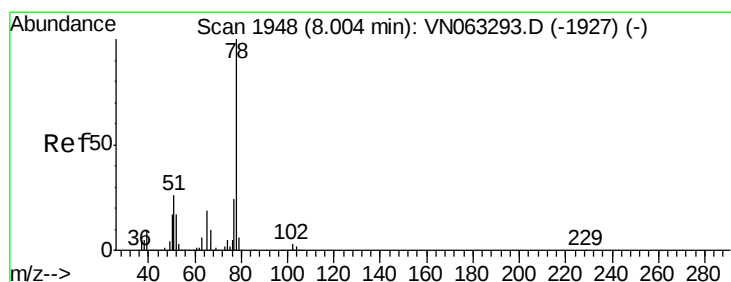
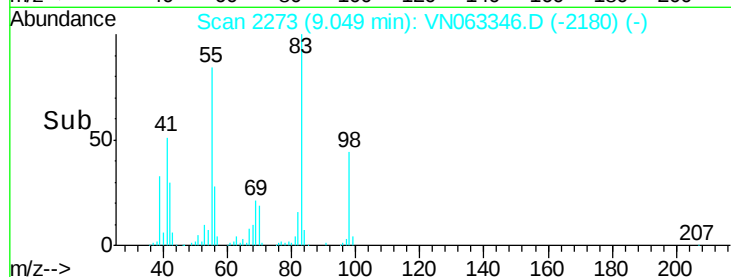
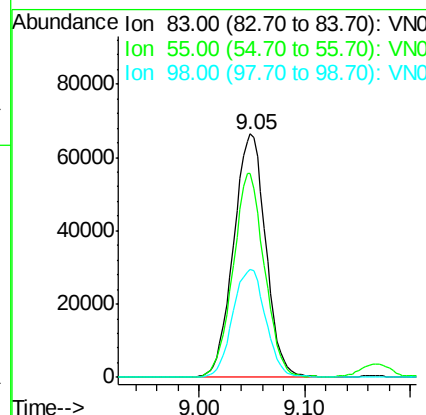
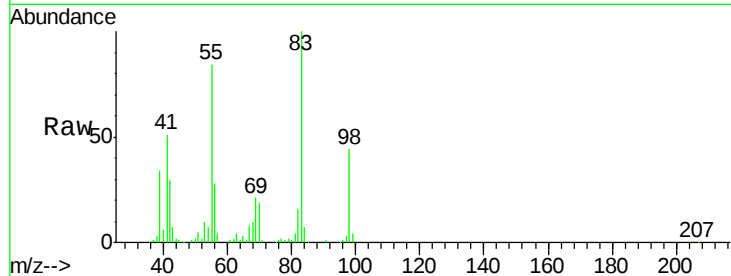
#39
Methvlcvclohexane
Concen: 16.053 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.4	64.0	96.0	
98	44.3	36.4	54.6	

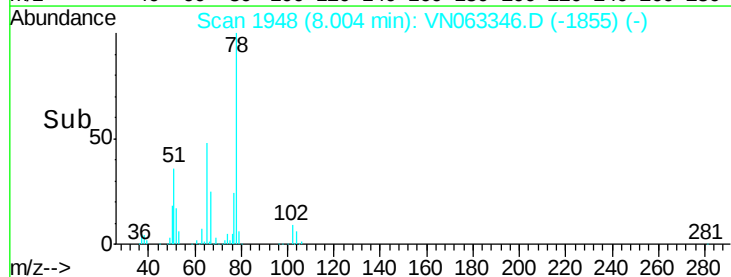
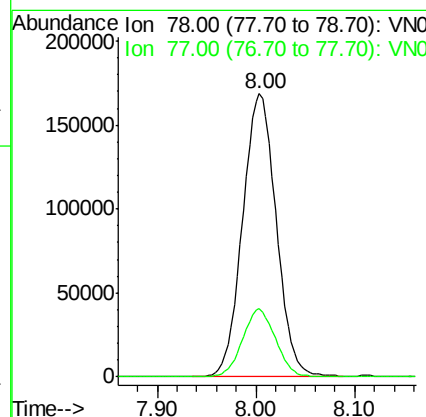
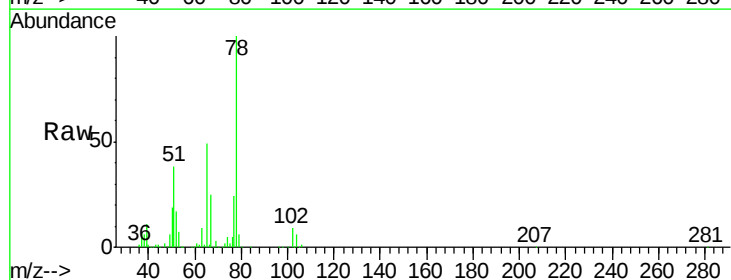
Manual Integrations
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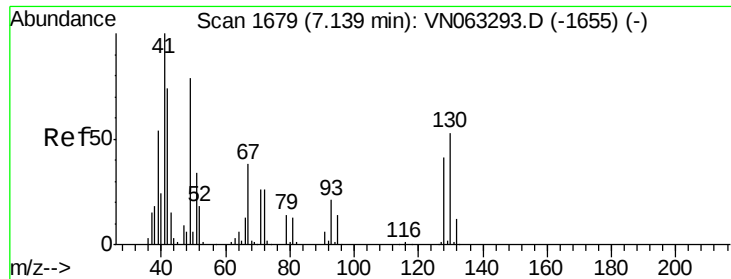
MMDadoda
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#40
Benzene
Concen: 17.398 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	18.8	28.2	





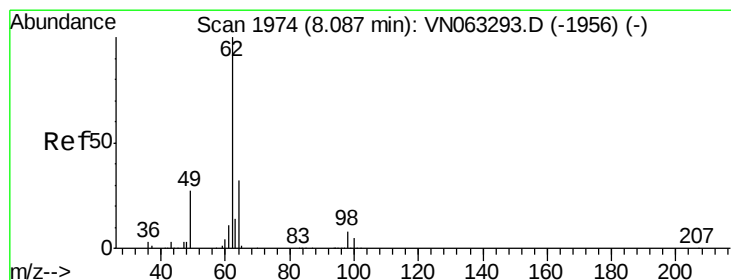
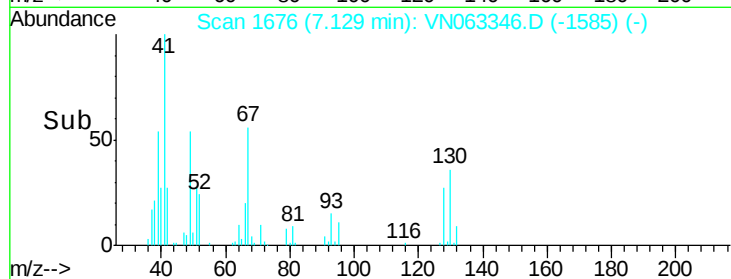
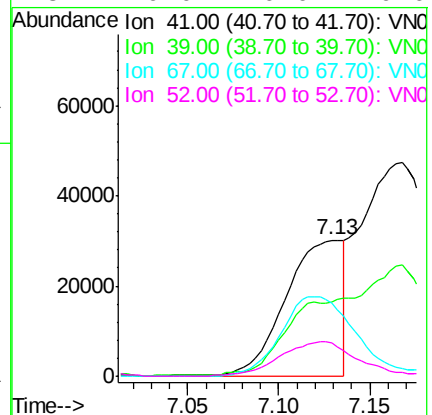
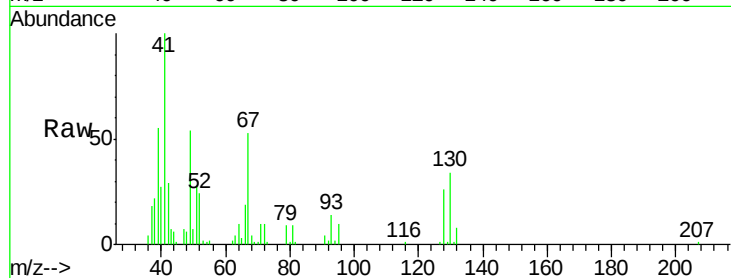
#41
Methacrylonitrile
Concen: 18.543 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	41	Resp	66208
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

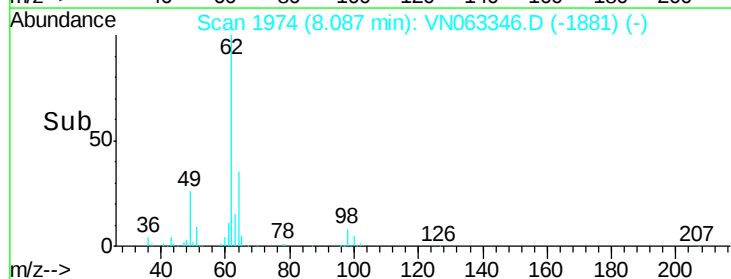
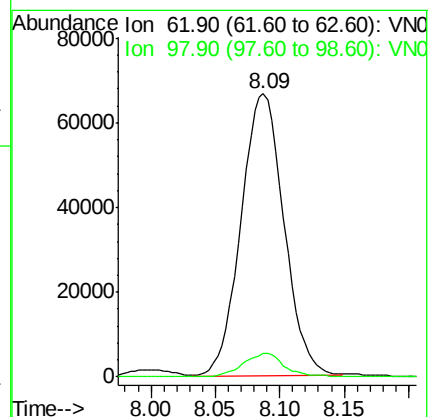
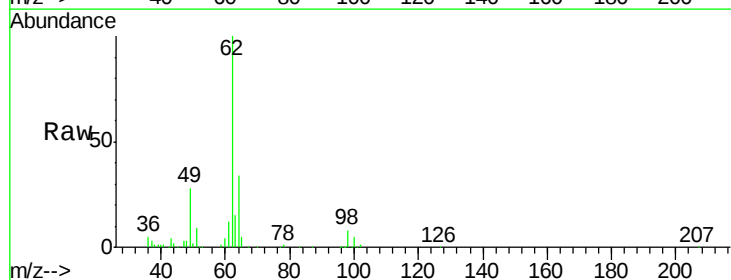
Manual Integrations
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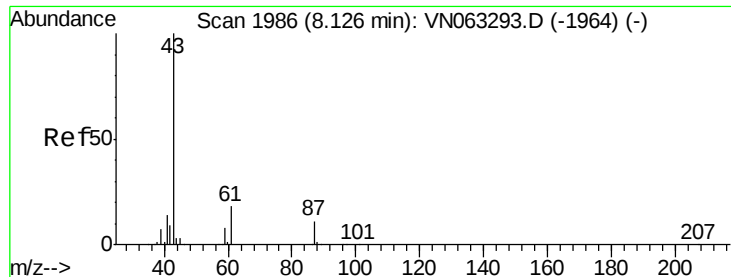
MMDadoda
9/15/2020 12:15:41 PM



#42
1,2-Dichloroethane
Concen: 17.726 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	62	Resp	154130
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.4





#43

Isopropyl Acetate

Concen: 18.218 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

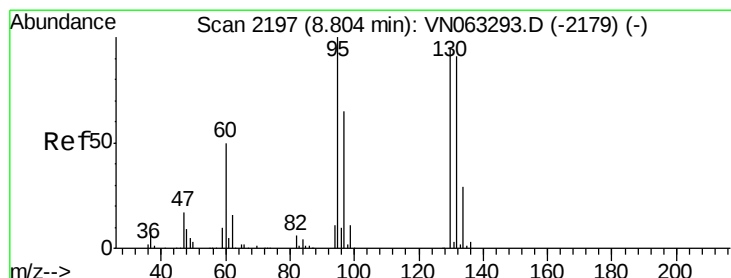
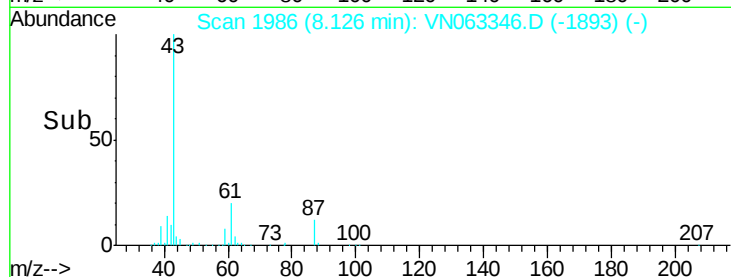
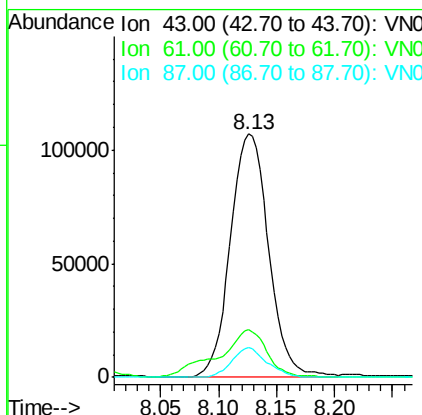
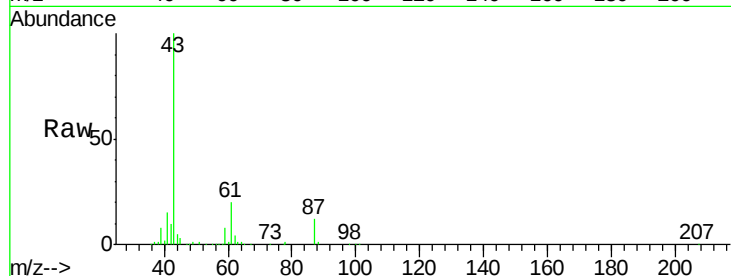
ClientSampleId :

VN0914MBSD01

Tot Ion:	43	Resp:	243532
Ion Ratio	Lower	Upper	
43	100		
61	24.8	15.1	22.7#
87	11.4	9.2	13.8

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#44

Trichloroethene

Concen: 17.074 ug/l

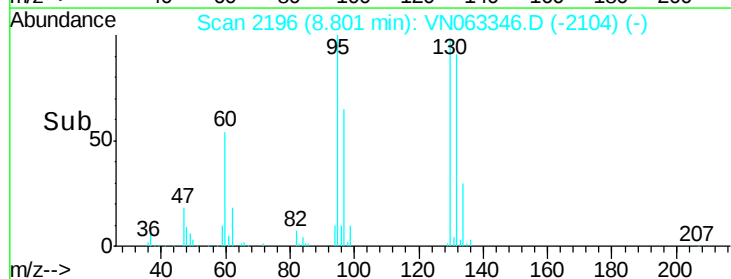
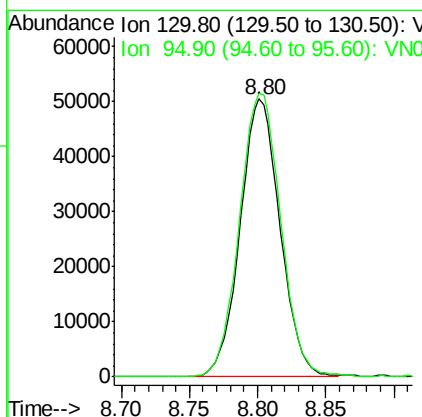
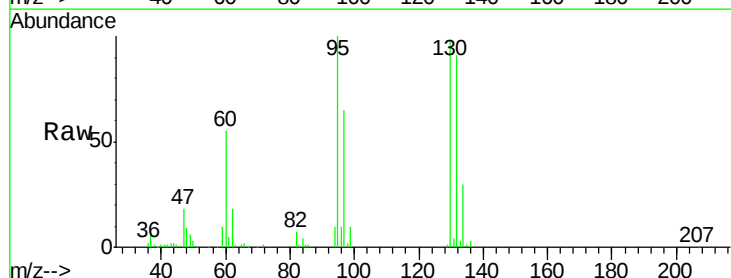
RT: 8.80 min Scan# 2196

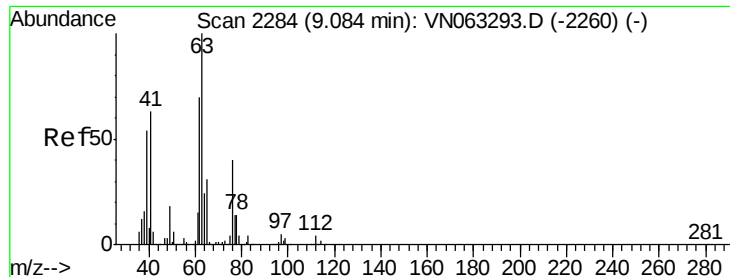
Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Tgt Ion:	130	Resp:	102331
Ion Ratio	Lower	Upper	
130	100		
95	101.9	0.0	210.8





#45

1,2-Dichloropropane

Concen: 17.548 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBSD01

Tot Ion: 63 Resp: 110306

Ion Ratio Lower Upper

63 100

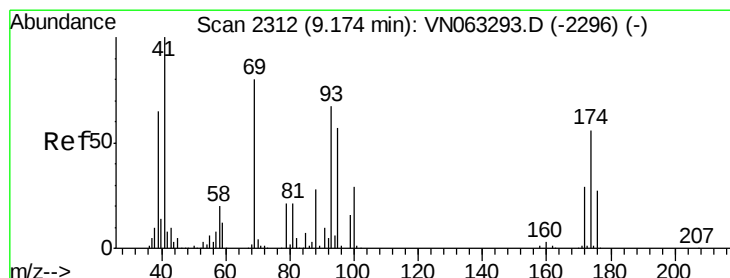
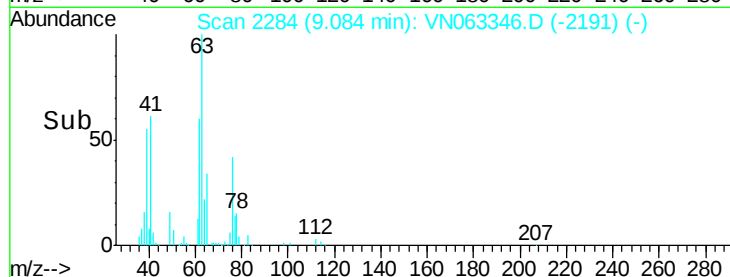
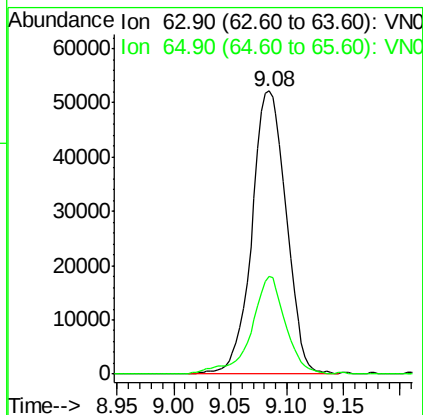
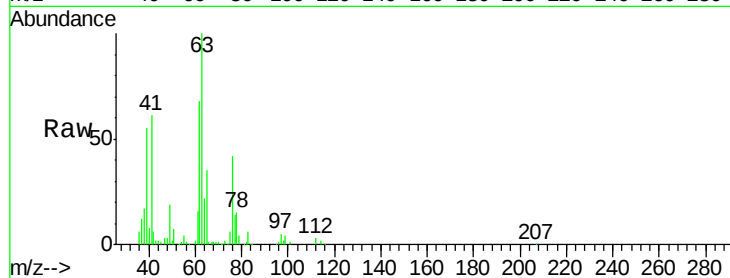
65 34.7 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 17.987 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

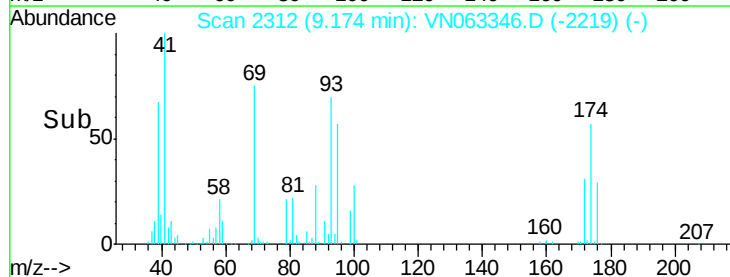
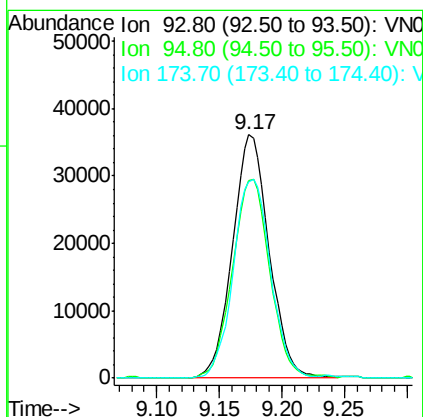
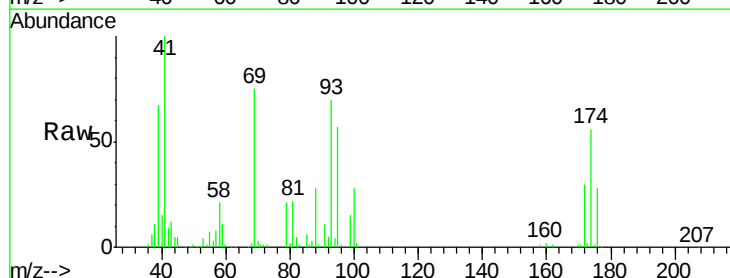
Tgt Ion: 93 Resp: 73319

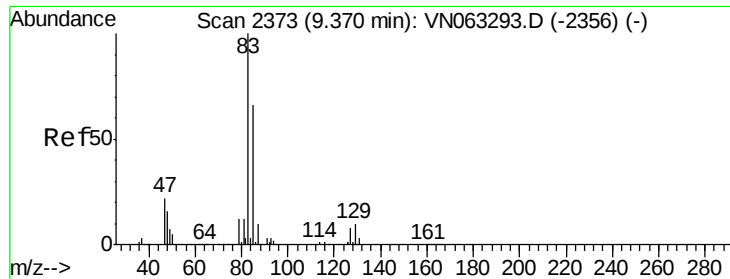
Ion Ratio Lower Upper

93 100

95 83.8 67.9 101.9

174 83.5 66.9 100.3





#47

Bromodichloromethane

Concen: 17.448 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

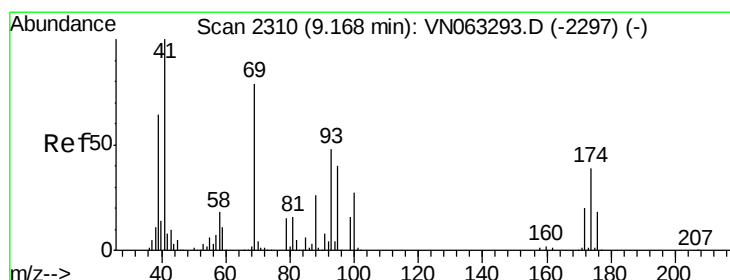
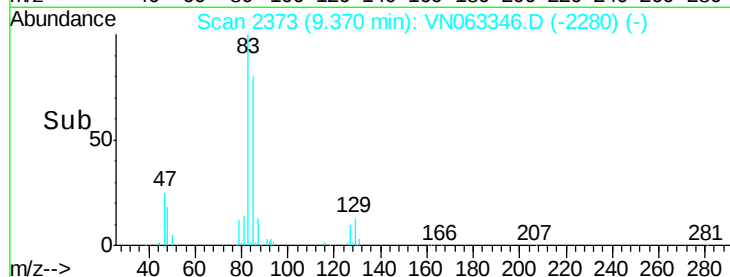
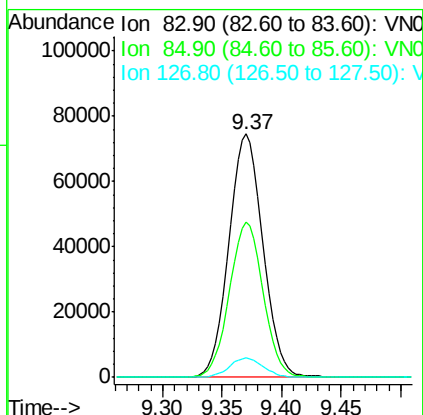
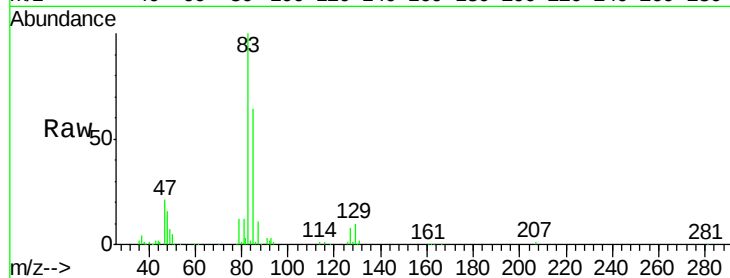
ClientSampleId :

VN0914MBSD01

Tot Ion:	83	Resp:	148220
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.5	78.7
127	7.8	6.6	10.0

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#48

Methyl methacrylate

Concen: 18.006 ug/l

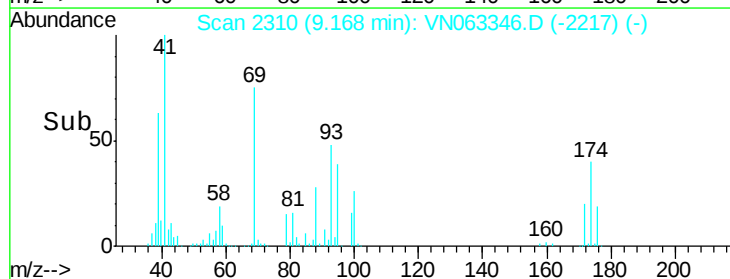
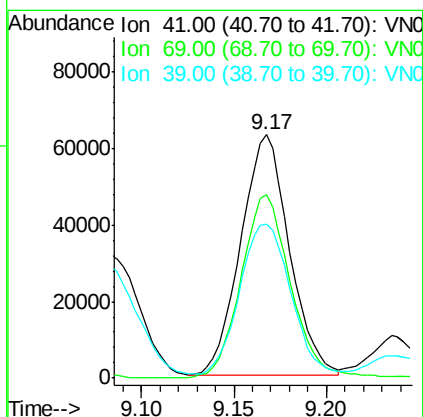
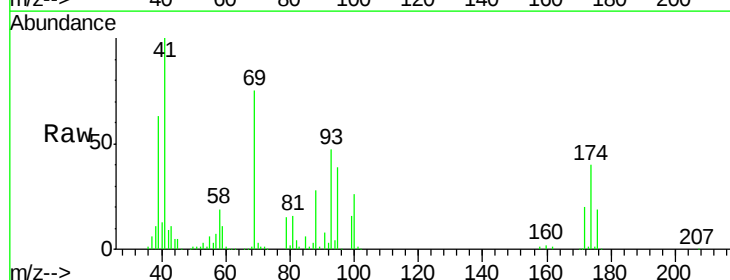
RT: 9.17 min Scan# 2310

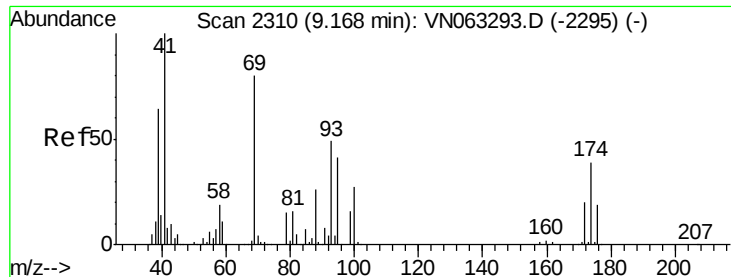
Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Tgt Ion:	41	Resp:	114855
Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.6	95.4
39	67.7	53.2	79.8





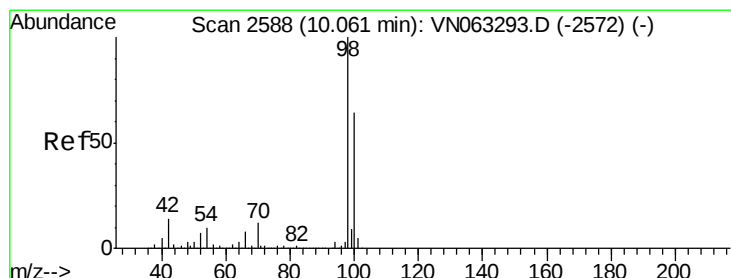
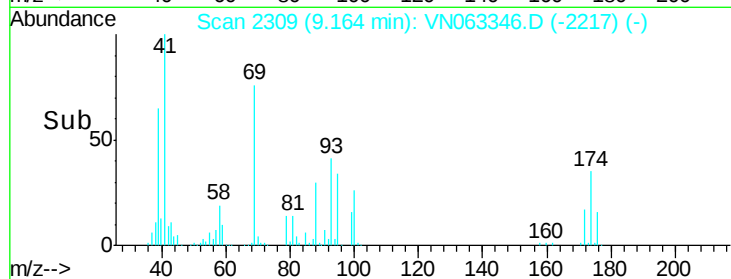
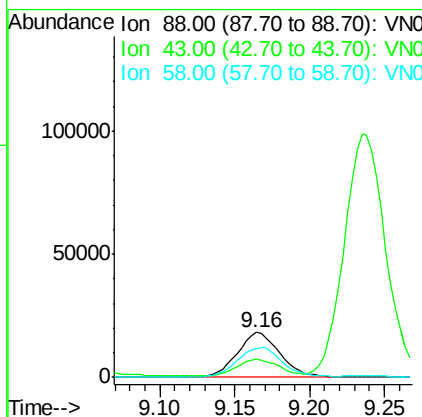
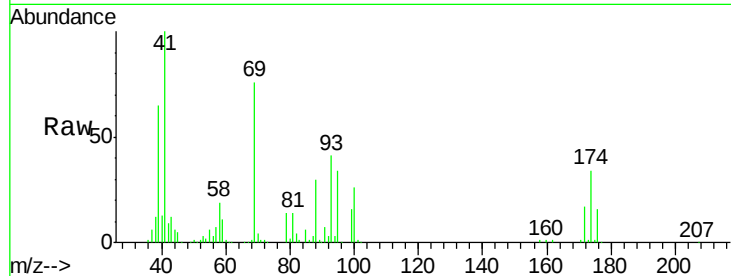
#49
1,4-Dioxane
Concen: 367.835 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	30.5	45.7
58	71.3	58.9	88.3

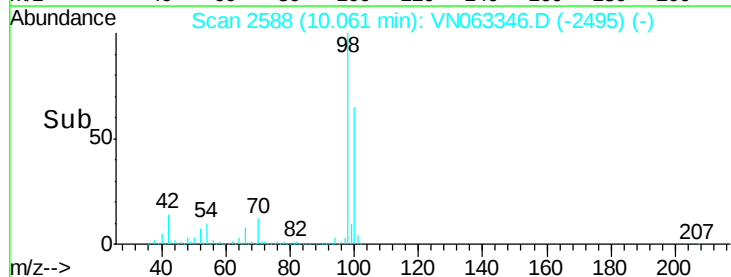
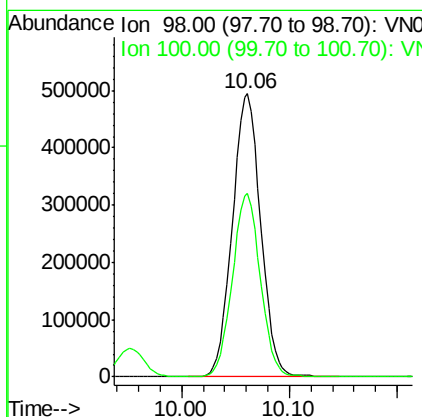
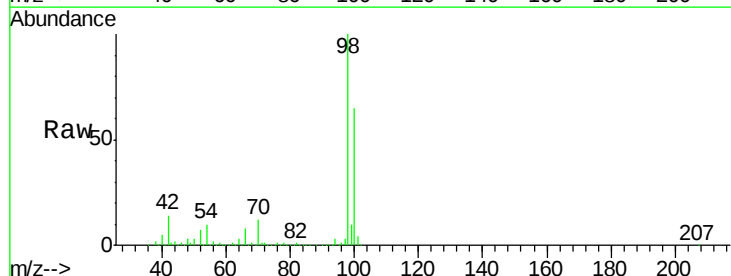
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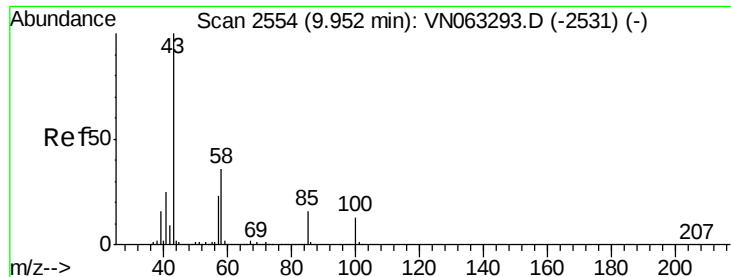
MMDadoda
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#50
Toluene-d8
Concen: 47.029 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 97.522 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBSD01

Tot Ion: 43 Resp: 718455

Ion Ratio Lower Upper

43 100

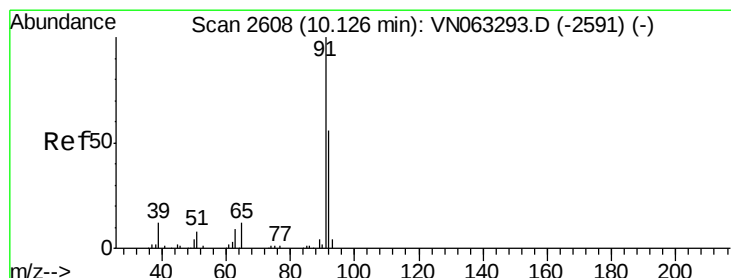
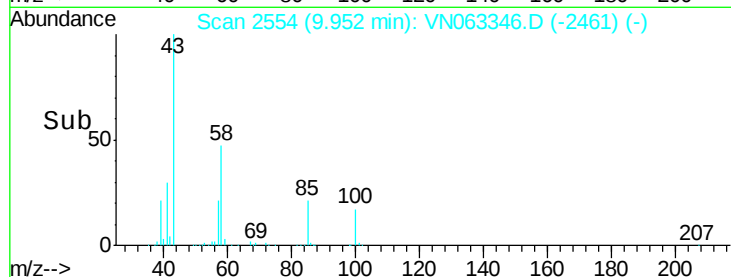
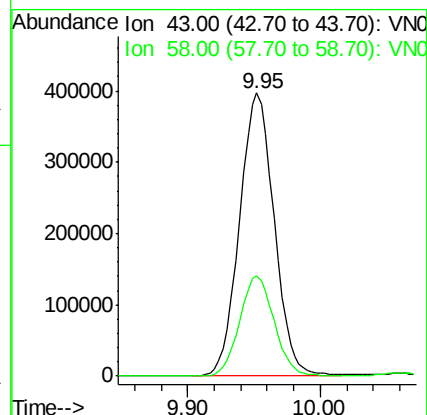
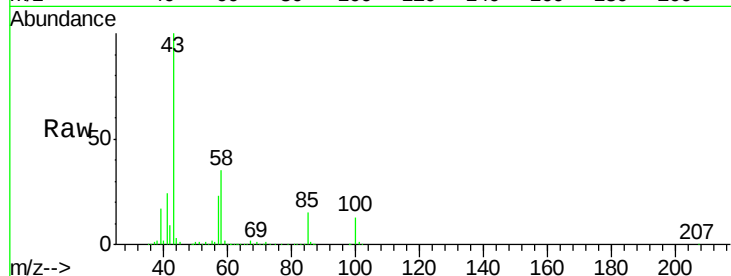
58 35.5 29.0 43.4

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#52

Toluene

Concen: 17.367 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN063346.D

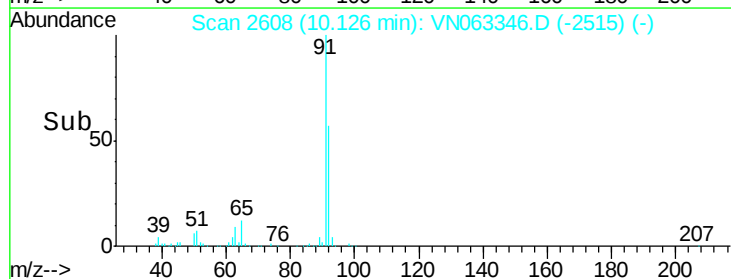
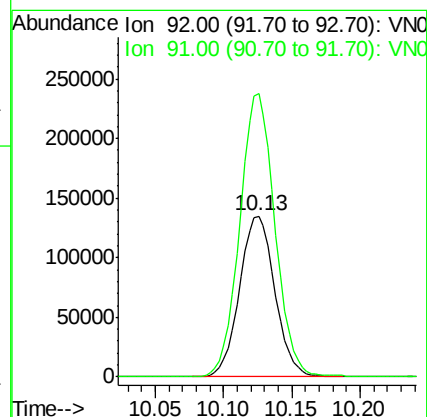
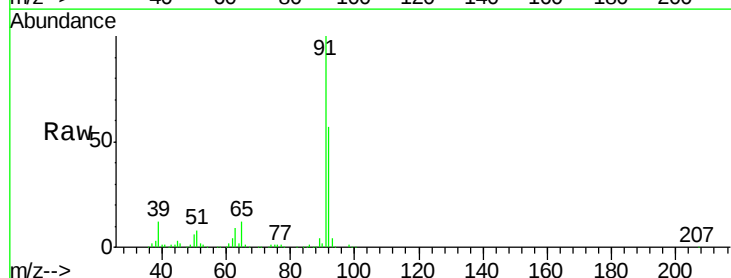
Acq: 14 Sep 2020 16:31

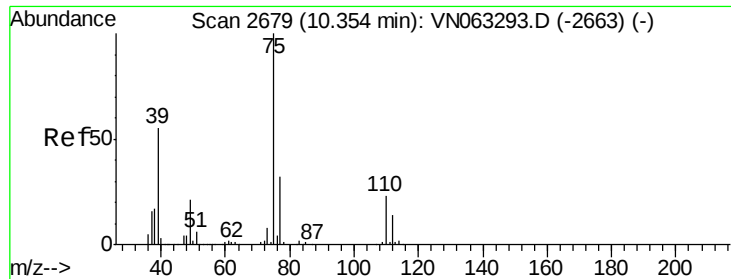
Tgt Ion: 92 Resp: 242995

Ion Ratio Lower Upper

92 100

91 174.5 141.2 211.8





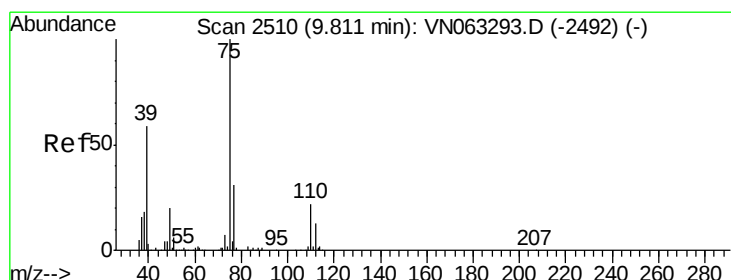
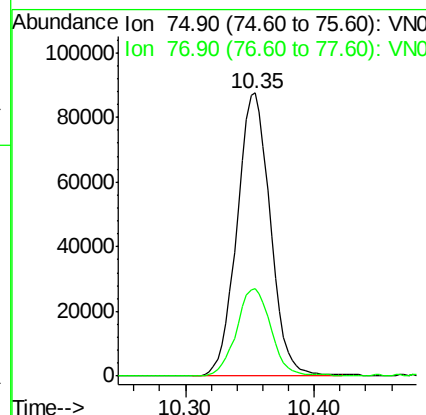
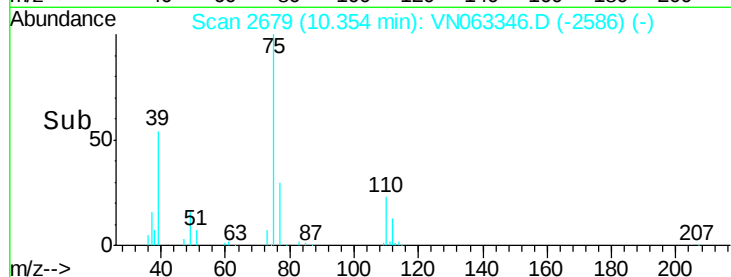
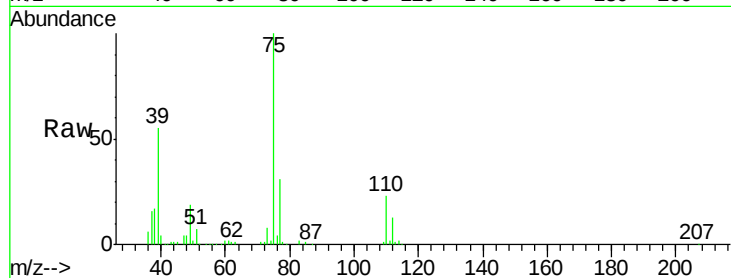
#53
t-1,3-Dichloropropene
Concen: 16.973 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.7	38.5

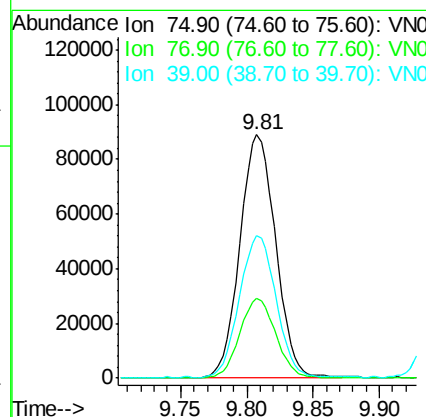
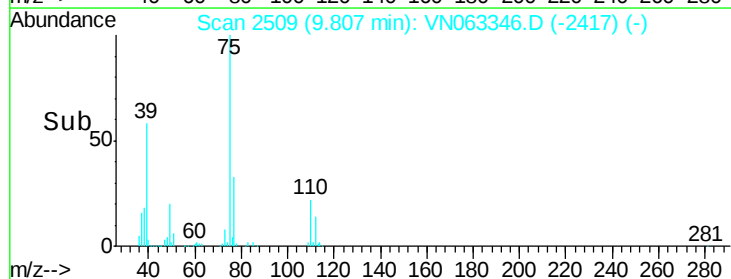
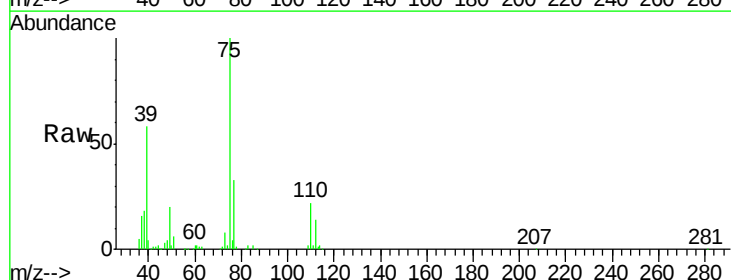
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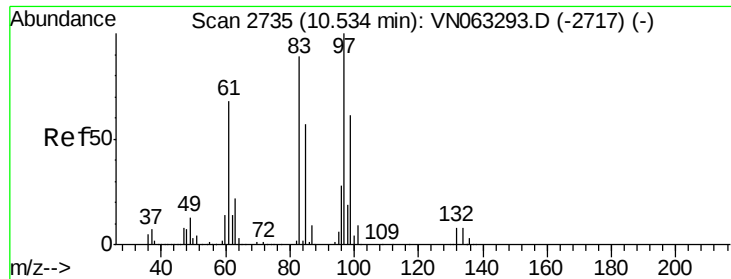
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#54
cis-1,3-Dichloropropene
Concen: 16.823 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.7	37.1
39	58.0	47.2	70.8





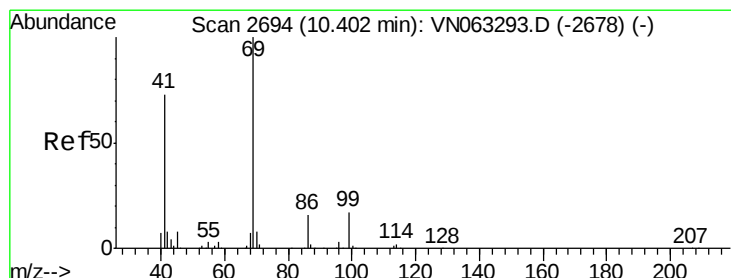
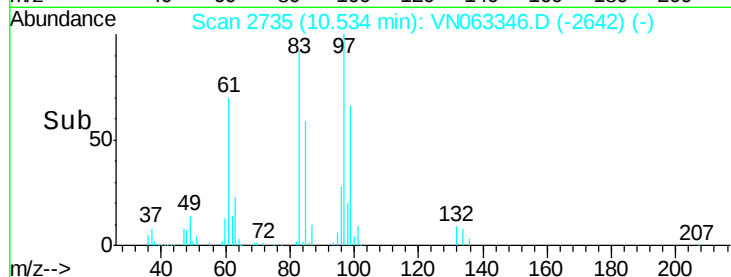
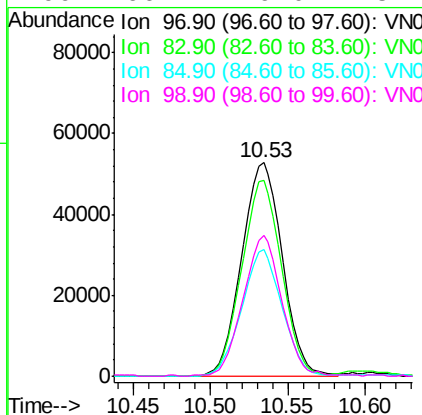
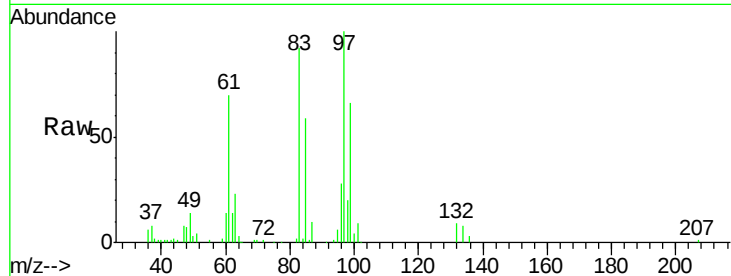
#55
 1,1,2-Trichloroethane
 Concen: 17.676 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	96912		
83	83	91.7	70.8	106.2	
85	85	59.1	45.6	68.4	
99	99	66.1	49.0	73.4	

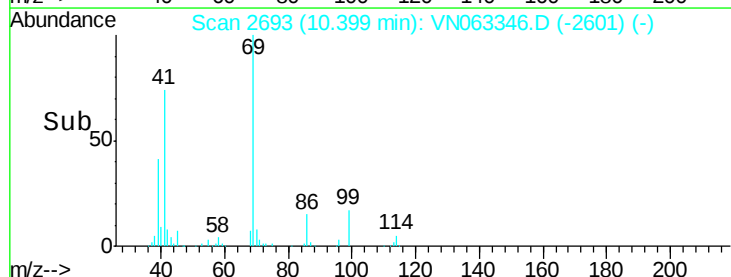
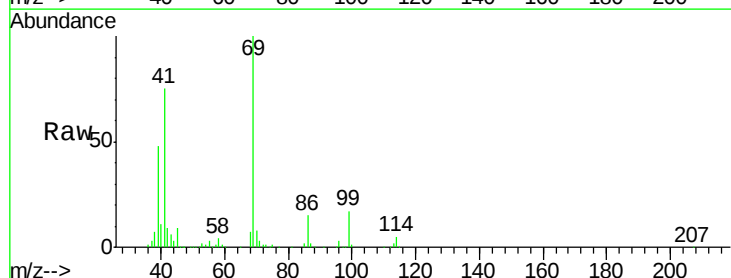
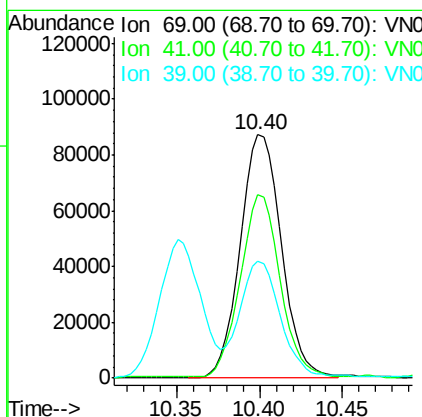
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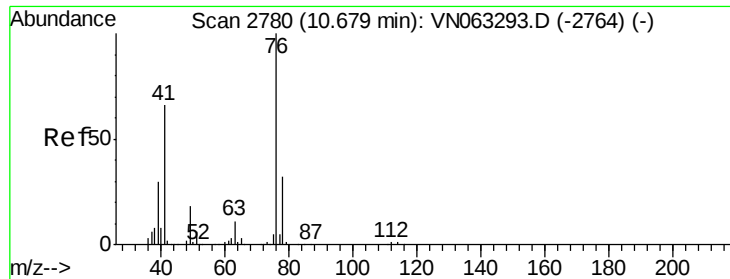
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#56
 Ethyl methacrylate
 Concen: 18.158 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	151398		
41	41	72.1	58.4	87.6	
39	39	47.3	38.6	58.0	





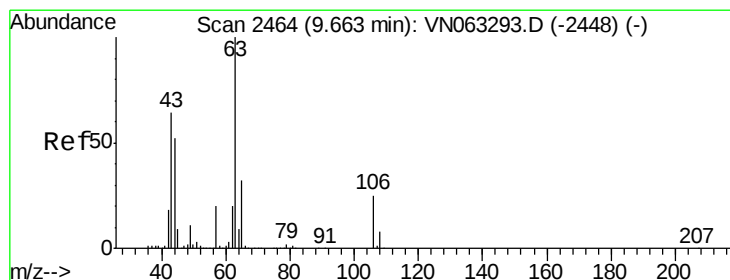
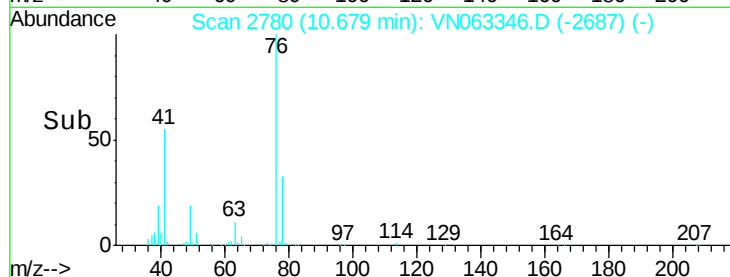
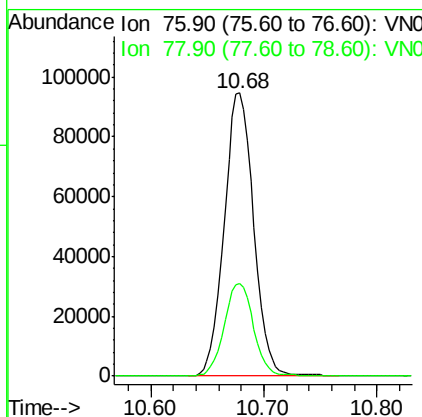
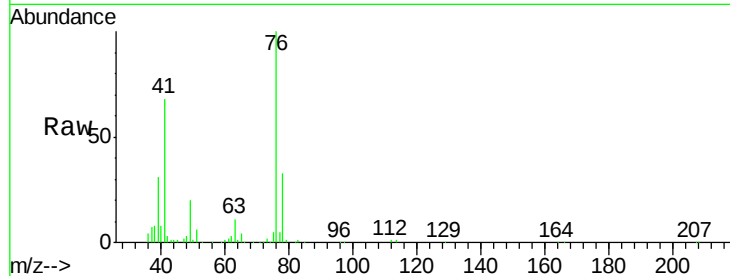
#57
 1,3-Dichloropropane
 Concen: 17.884 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion: 76 Resp: 171344
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

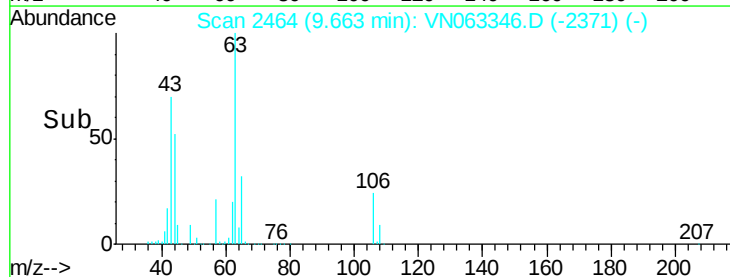
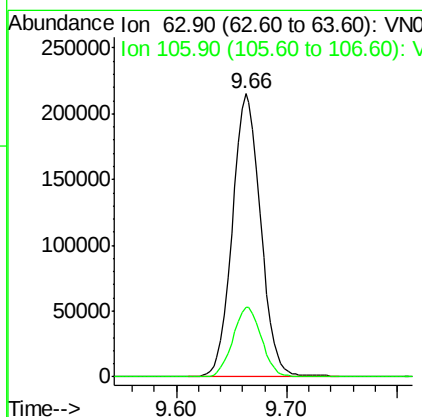
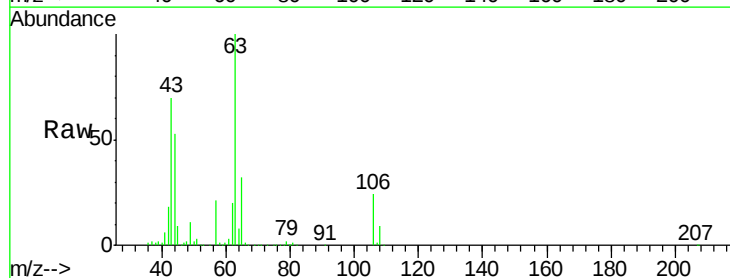
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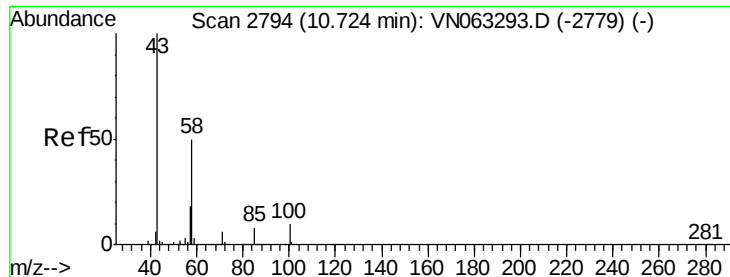
MMDadoda
 9/15/2020 12:15:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.635 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion: 63 Resp: 382981
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.2 30.4





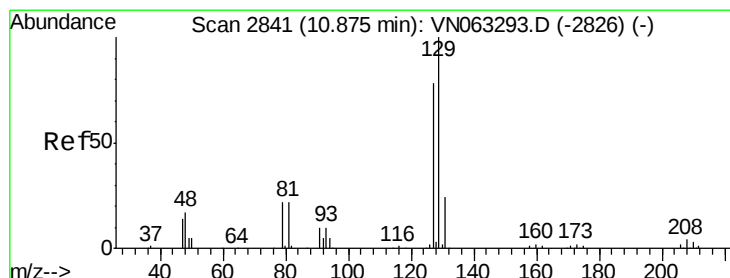
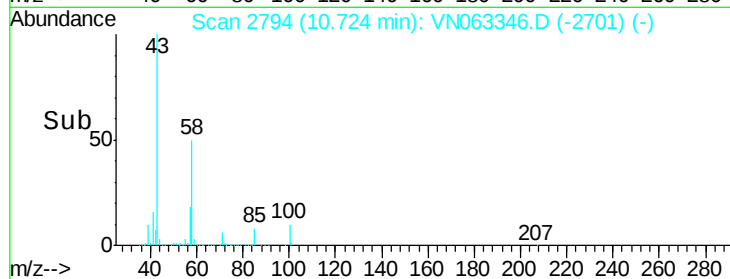
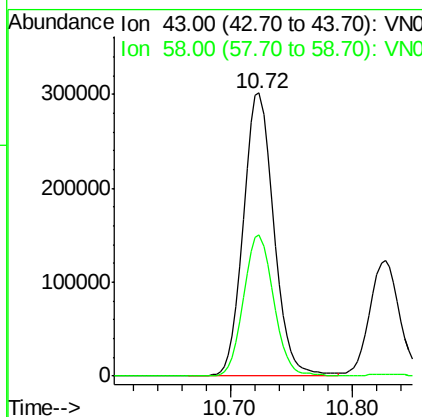
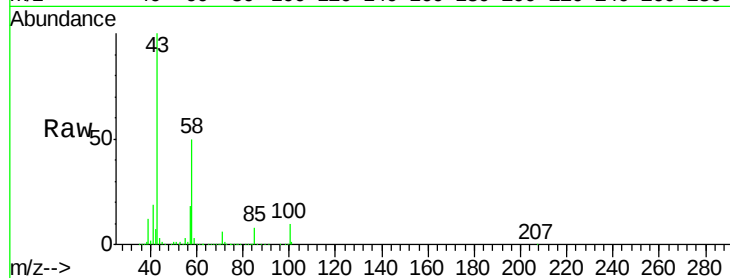
#59
2-Hexanone
Concen: 94.447 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion: 43 Resp: 513159
Ion Ratio Lower Upper
43 100
58 50.0 25.1 75.3

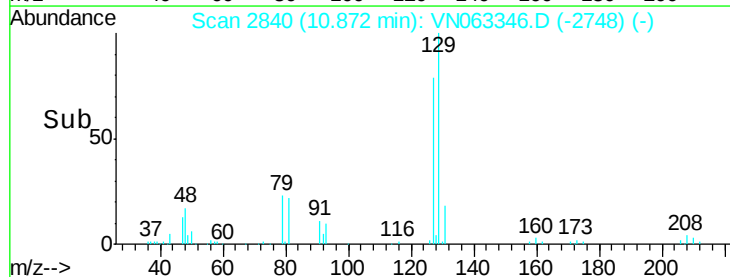
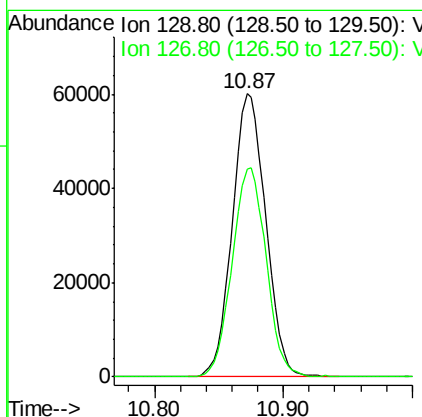
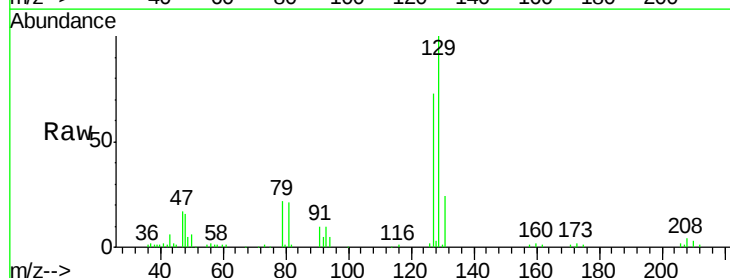
Manual Integrations
APPROVED

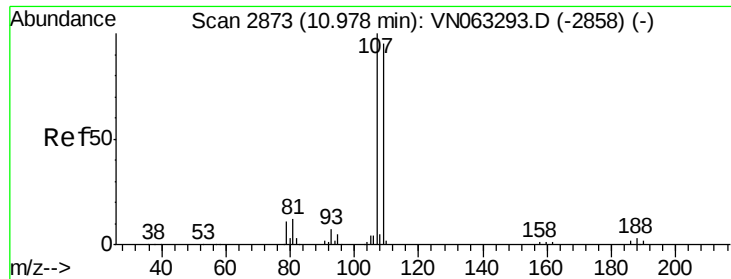
MMDadoda
9/15/2020 12:15:41 PM



#60
Dibromochloromethane
Concen: 17.973 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion: 129 Resp: 108210
Ion Ratio Lower Upper
129 100
127 75.0 39.0 117.0





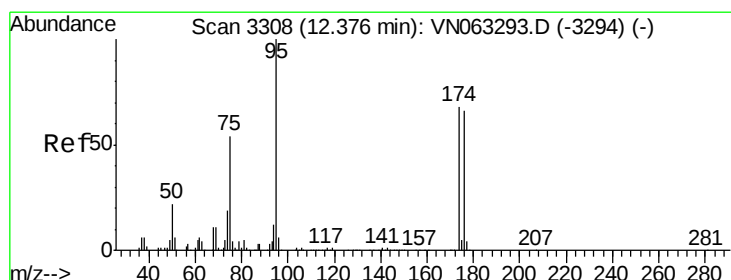
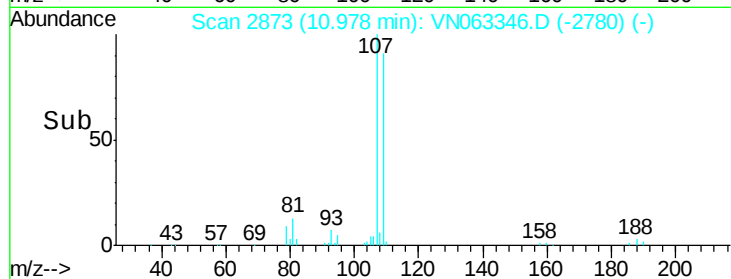
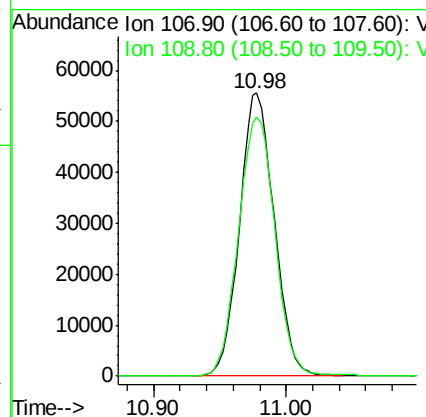
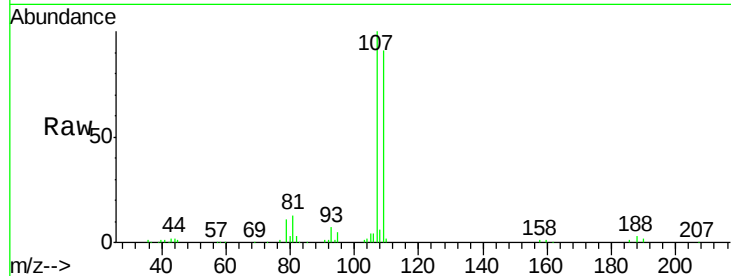
#61
 1,2-Dibromoethane
 Concen: 17.667 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.5	113.3

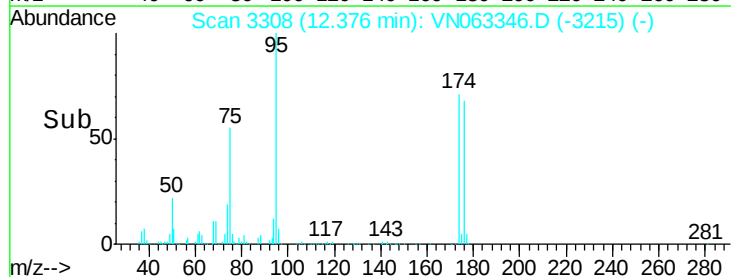
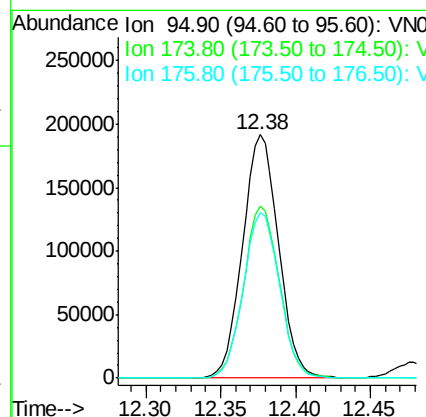
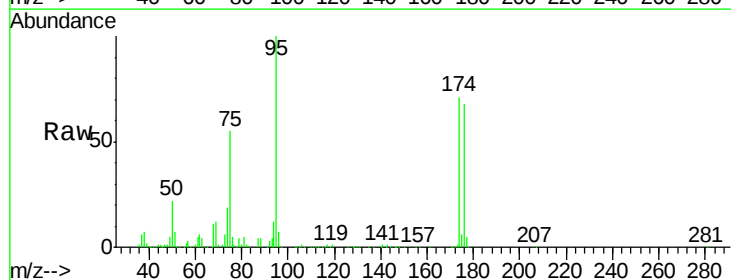
Manual Integrations
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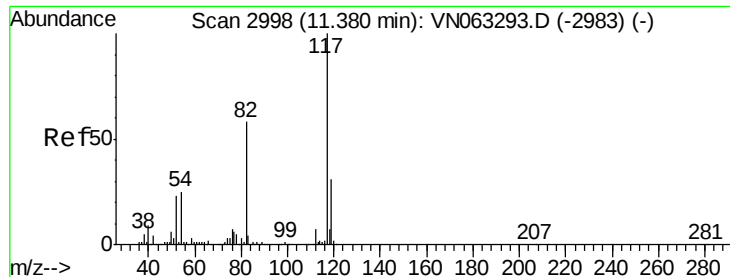
MMDadoda
 9/15/2020 12:15:41 PM



#62
 4-Bromofluorobenzene
 Concen: 44.977 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	136.6
176	68.9	0.0	132.8





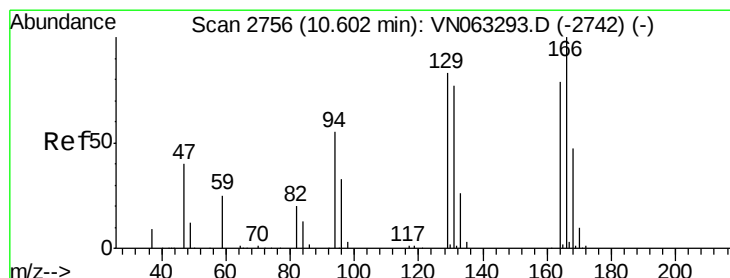
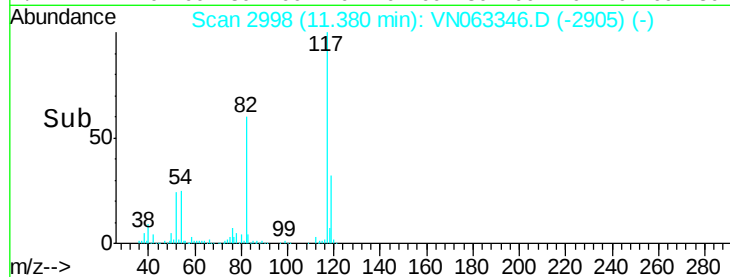
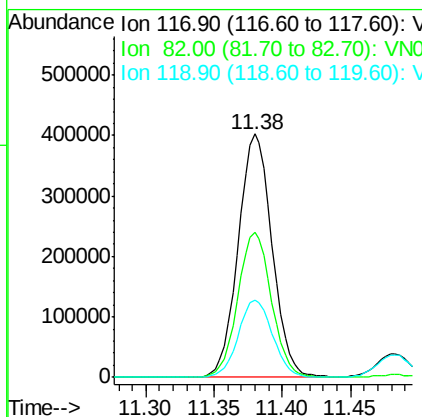
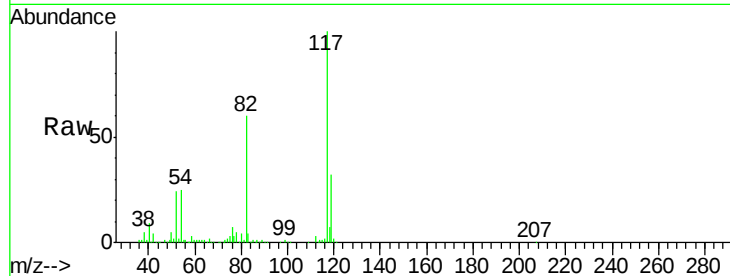
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	46.4	69.6
119	32.0	24.8	37.2

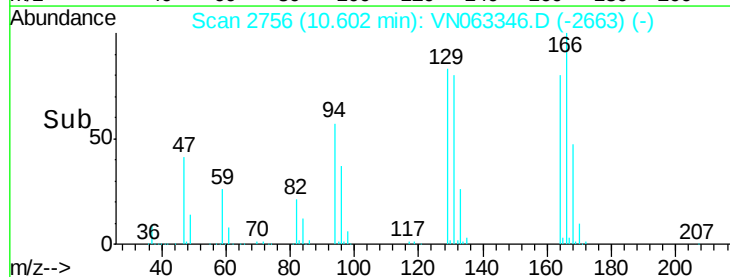
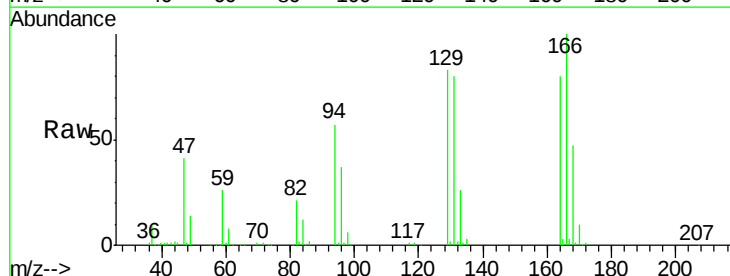
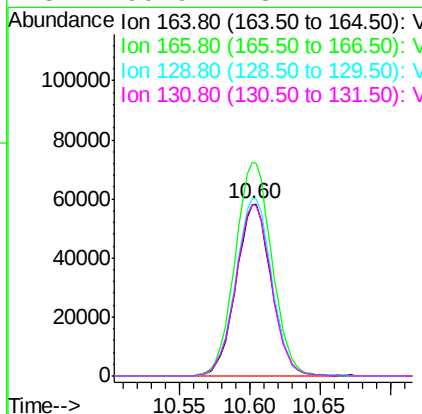
Manual Integrations
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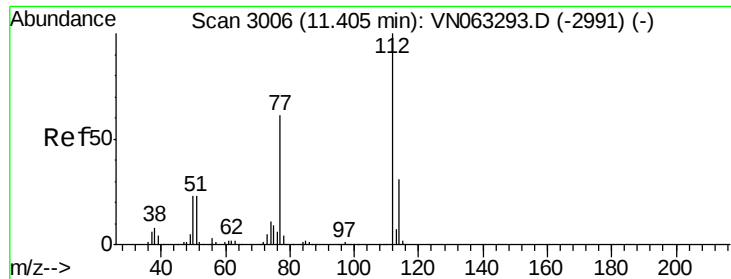
MMDadoda
9/15/2020 12:15:41 PM



#64
Tetrachloroethene
Concen: 17.996 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	101.3	151.9
129	103.6	83.7	125.5
131	99.9	78.2	117.4





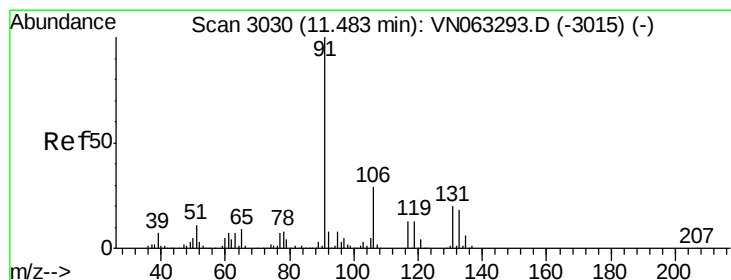
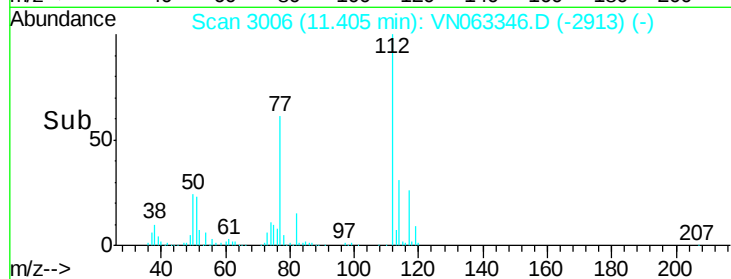
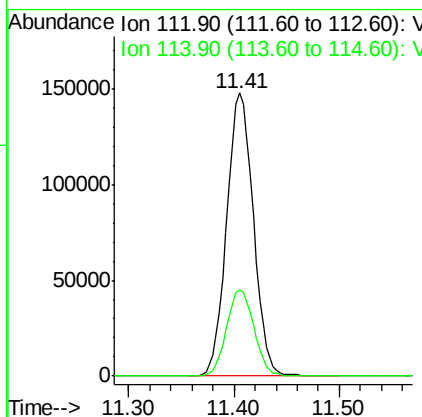
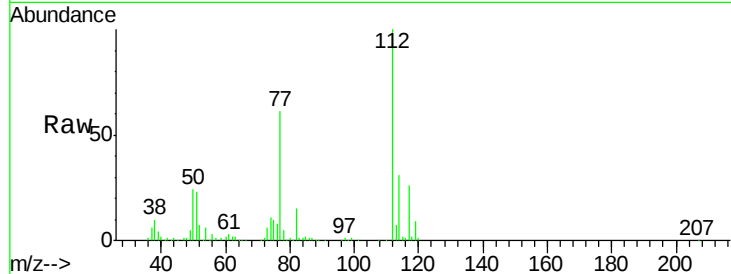
#65
Chlorobenzene
Concen: 17.297 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.6	36.8

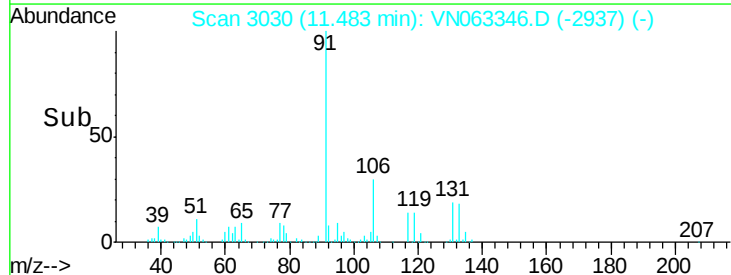
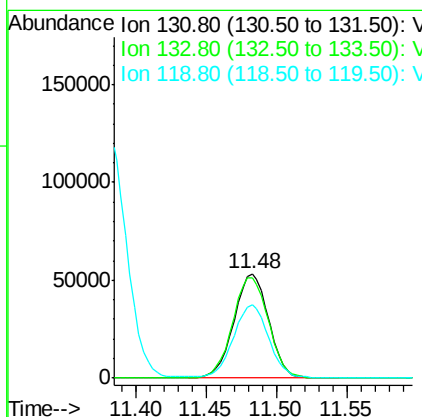
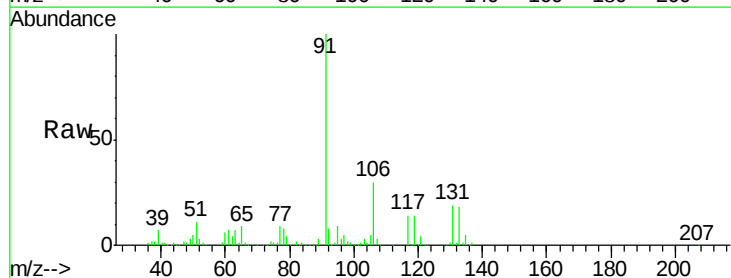
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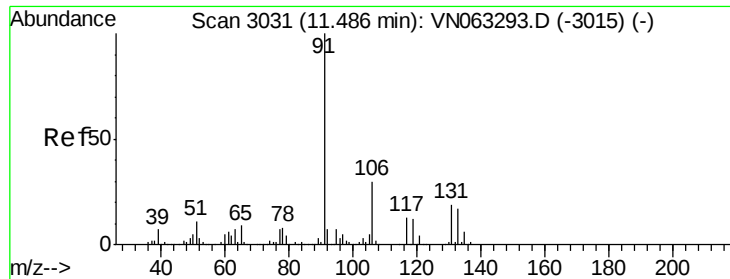
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.960 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.3	47.4	142.2
119	70.3	33.8	101.3





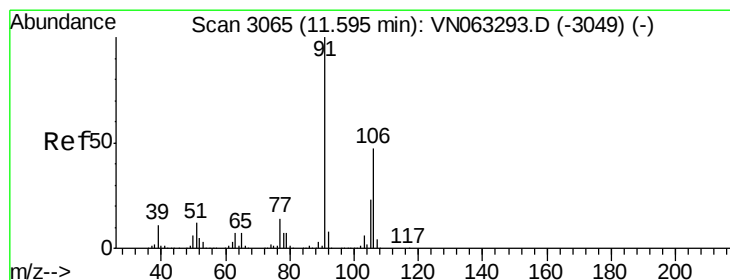
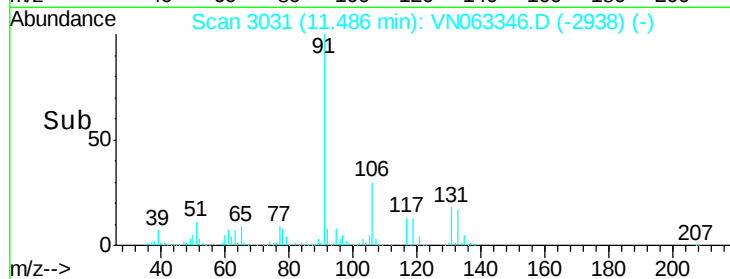
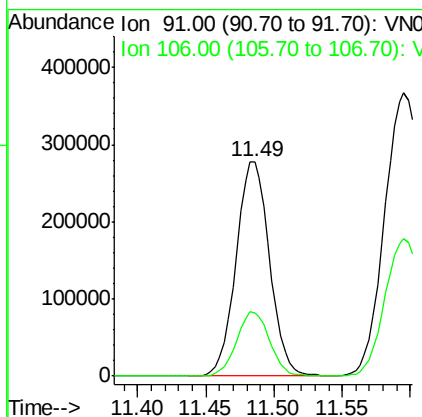
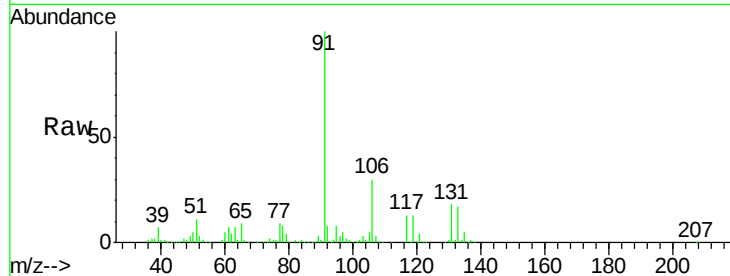
#67
Ethyl Benzene
Concen: 17.613 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion: 91 Resp: 472849
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

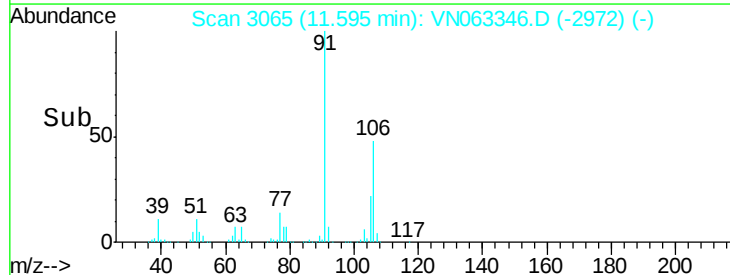
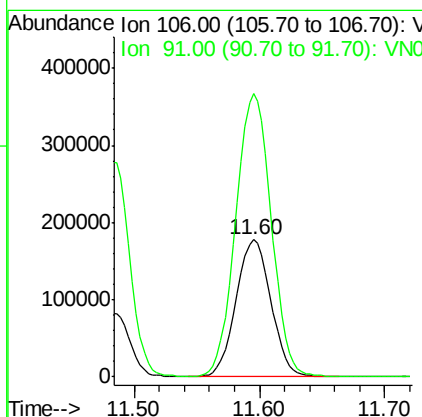
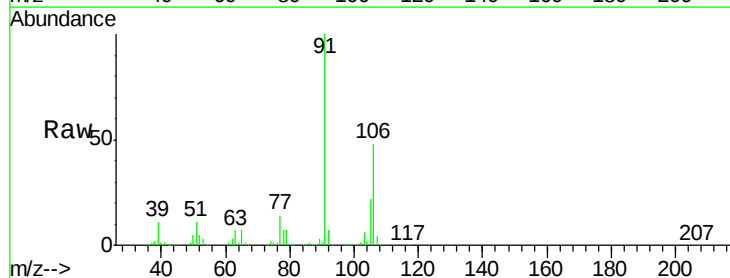
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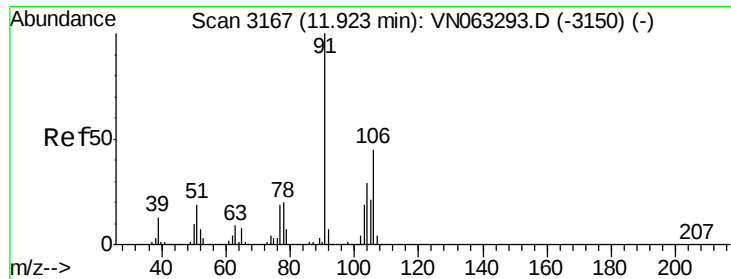
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#68
m/p-Xylenes
Concen: 34.648 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion: 106 Resp: 344078
Ion Ratio Lower Upper
106 100
91 210.2 169.8 254.8





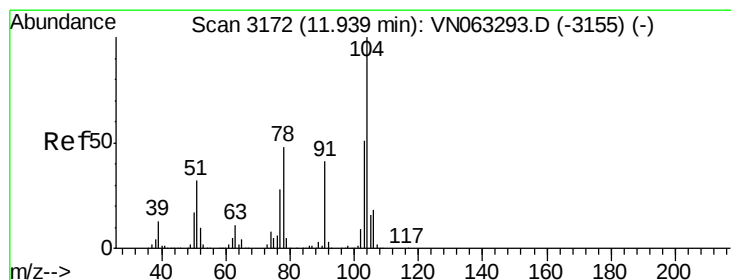
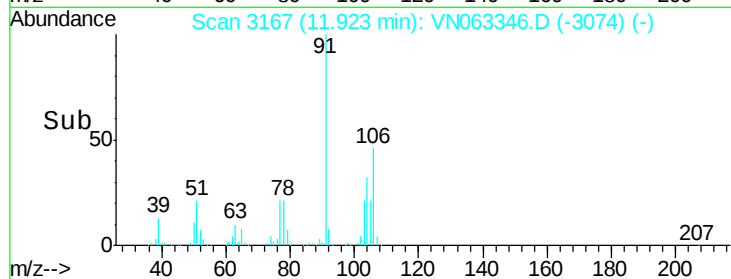
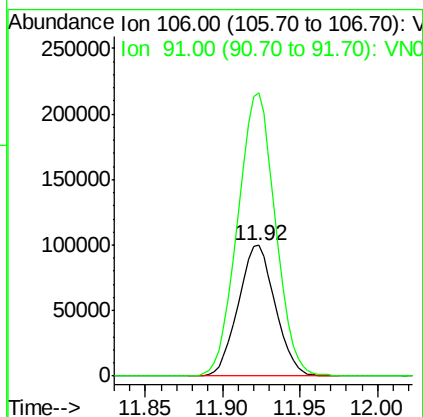
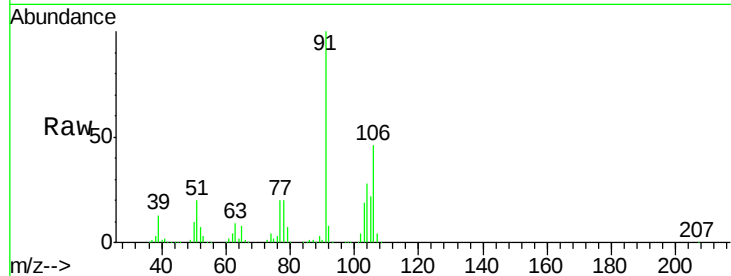
#69
o-Xylene
Concen: 17.478 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		166566		
91	220.4	111.5	334.4		

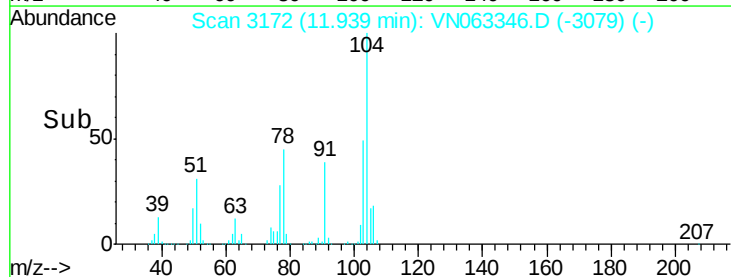
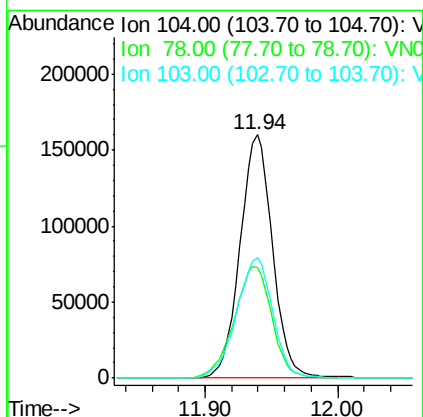
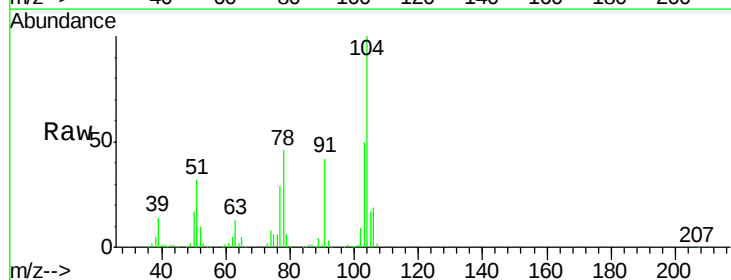
Manual Integrations
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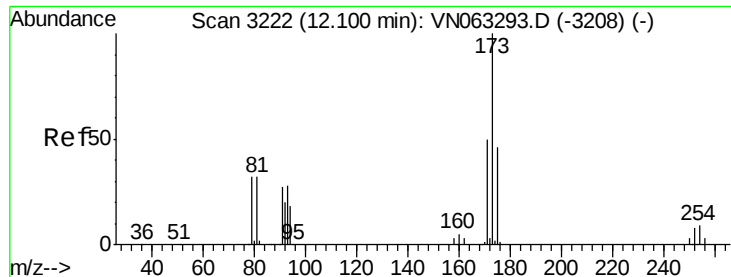
MMDadoda
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#70
Styrene
Concen: 17.229 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		272903		
78	53.2	42.9	64.3		
103	55.2	44.2	66.2		





#71

Bromoform

Concen: 17.476 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

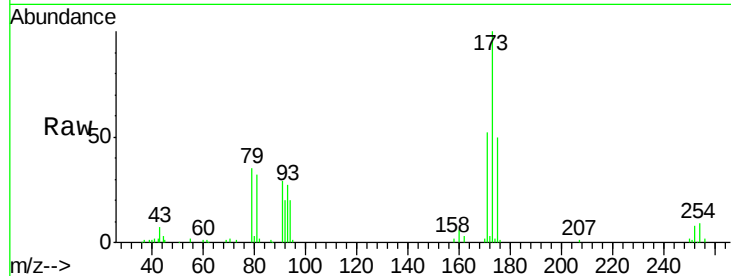
ClientSampleId :

VN0914MBSD01

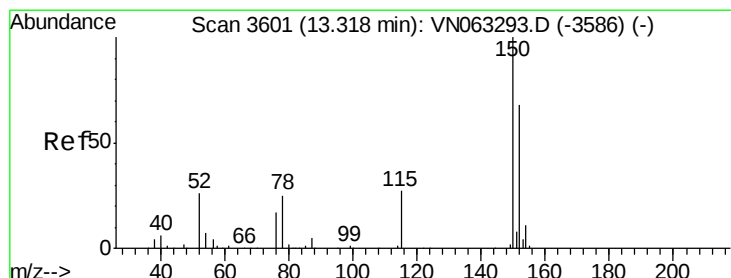
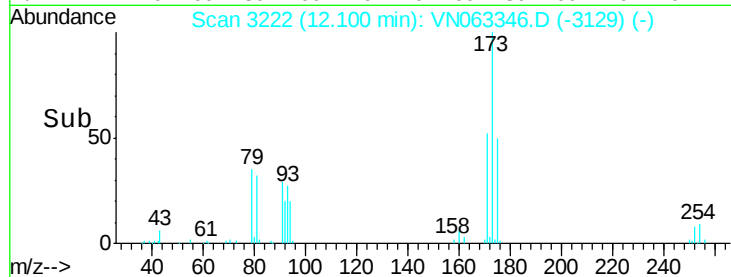
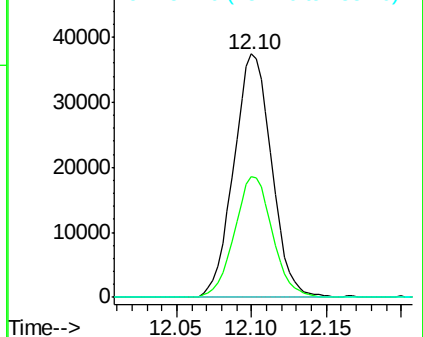
Tot Ion:	173	Resp:	65857
Ion Ratio	Lower	Upper	
173	100		
175	49.5	23.8	71.5
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

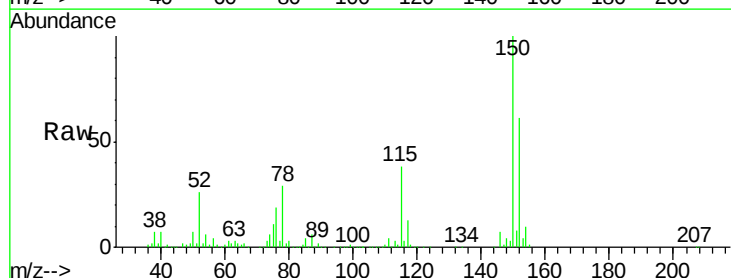
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

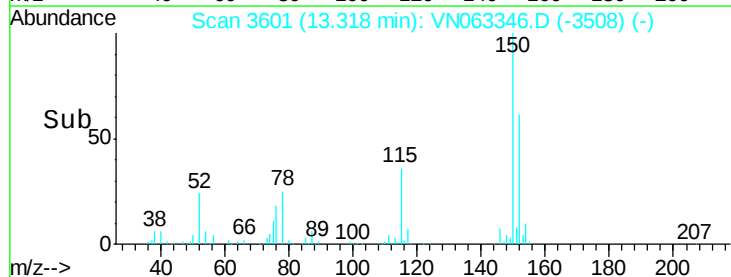
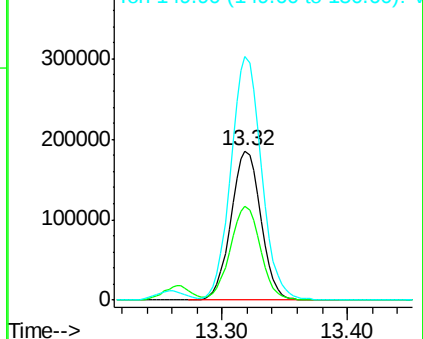
Lab File: VN063346.D

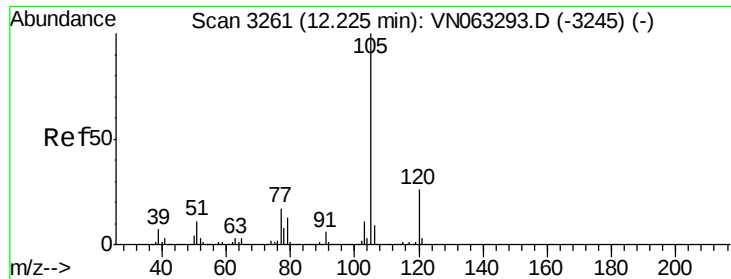
Acq: 14 Sep 2020 16:31

Tgt Ion:	152	Resp:	308279
Ion Ratio	Lower	Upper	
152	100		
115	62.7	31.5	94.5
150	166.3	0.0	344.0



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





#73

Isopropylbenzene

Concen: 17.819 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

ClientSampleId :

VN0914MBSD01

Tot Ion:105 Resp: 443077

Ion Ratio Lower Upper

105 100

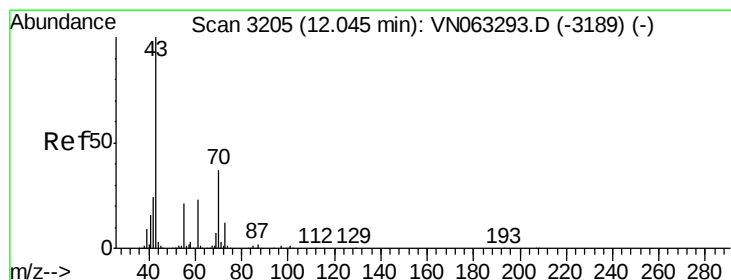
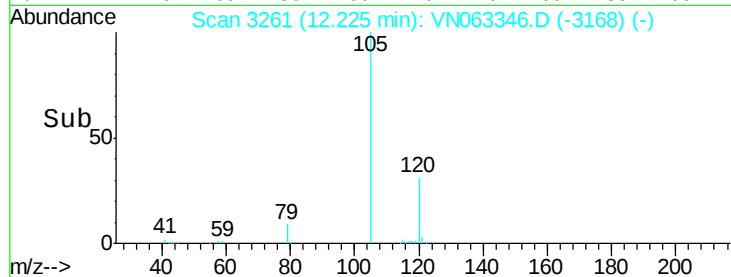
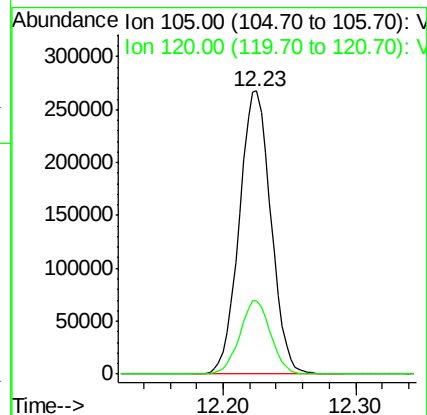
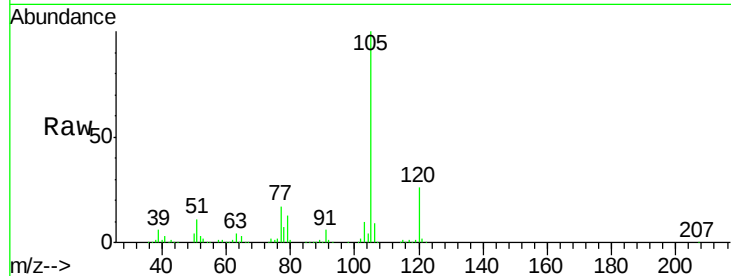
120 25.4 13.0 38.9

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#74

N-ethyl acetate

Concen: 19.403 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Tgt Ion: 43 Resp: 198079

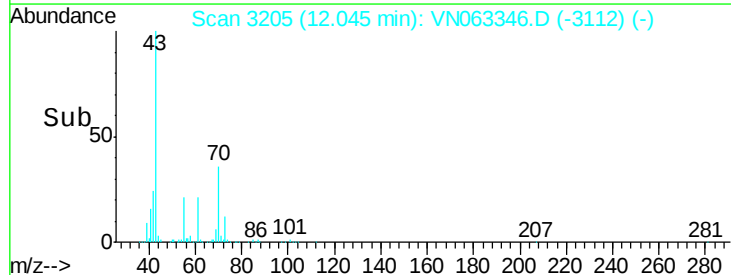
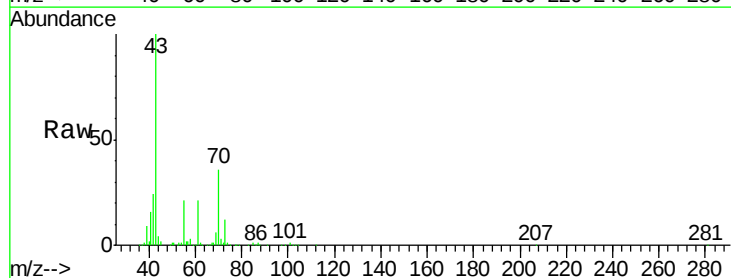
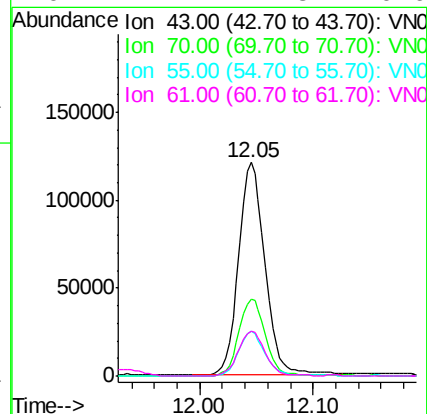
Ion Ratio Lower Upper

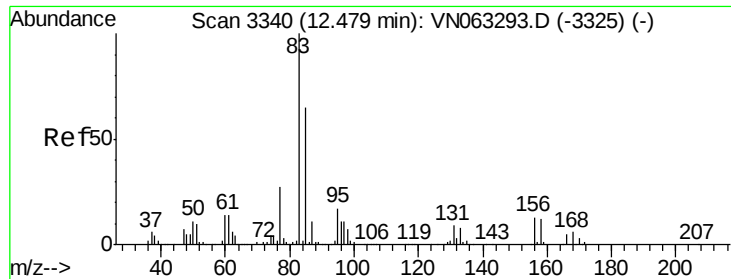
43 100

70 36.4 29.3 43.9

55 20.8 17.0 25.6

61 21.1 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.421 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

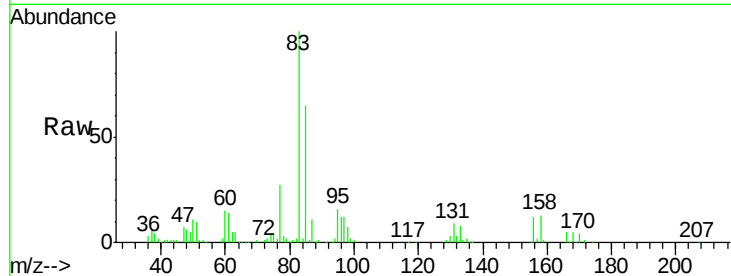
ClientSampleId :

VN0914MBSD01

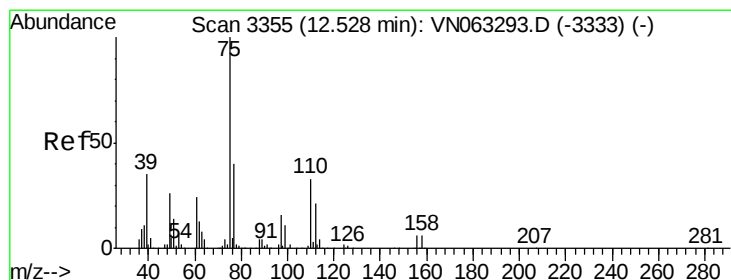
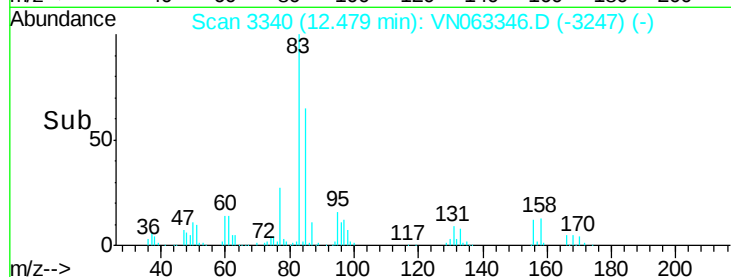
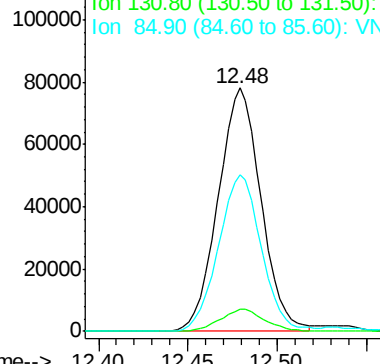
Tot Ion:	83	Resp:	131184
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	64.5	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN063346.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 19.219 ug/l m

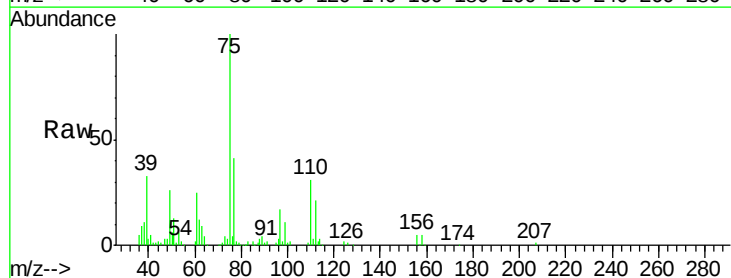
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

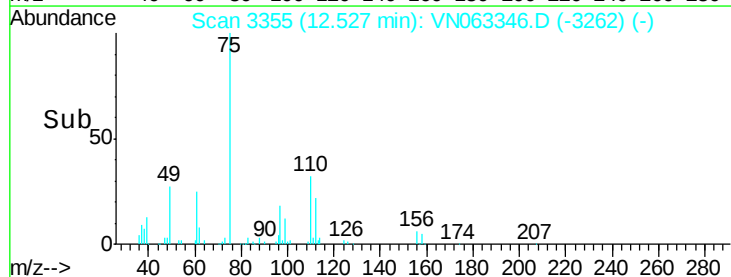
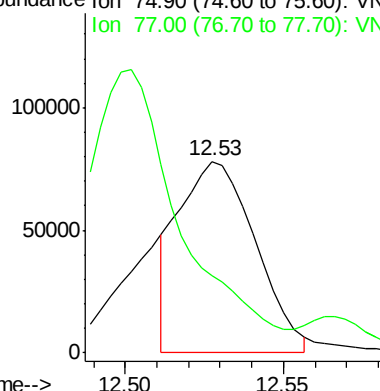
Lab File: VN063346.D

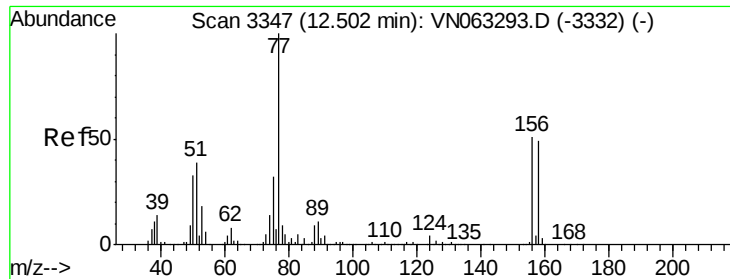
Acq: 14 Sep 2020 16:31

Tgt Ion:	75	Resp:	130712
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063346.D (-3262) (-)





#77

Bromobenzene

Concen: 17.507 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

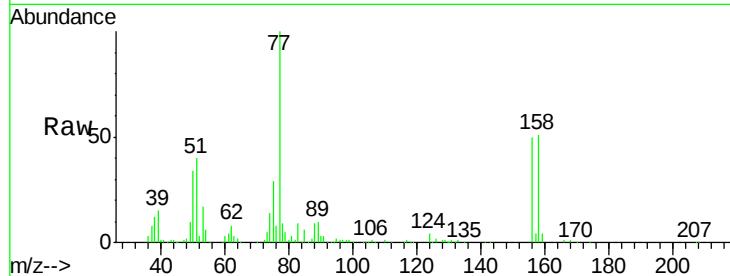
ClientSampleId :

VN0914MBSD01

Tot Ion:	156	Resp:	100067
Ion Ratio	Lower	Upper	
156	100		
77	241.8	117.4	352.2
158	100.2	48.8	146.4

Manual Integrations
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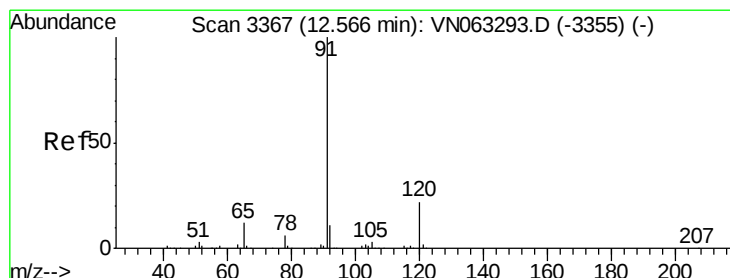
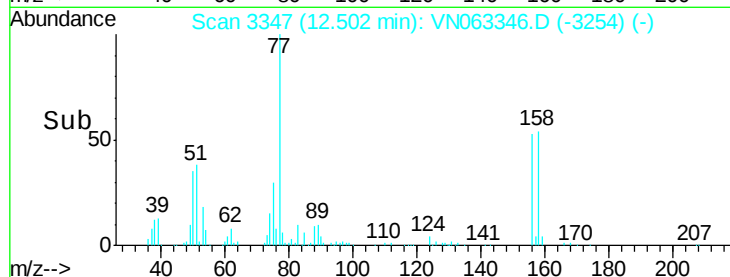
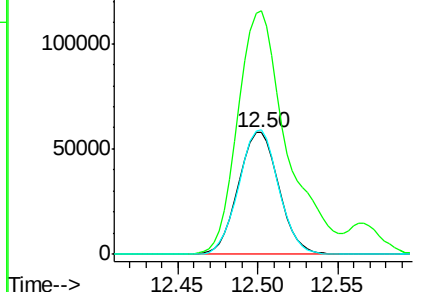
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.931 ug/l

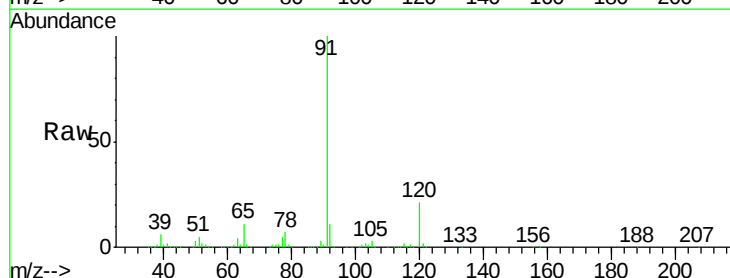
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063346.D

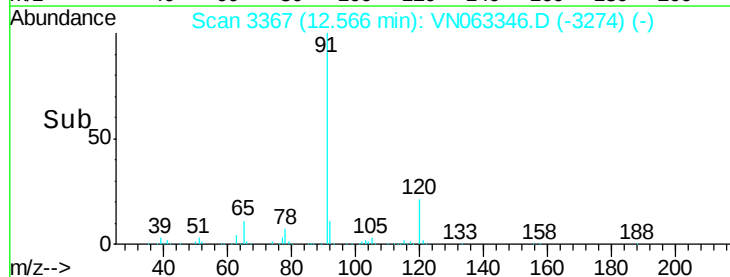
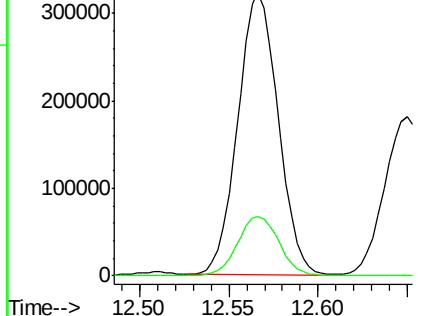
Acq: 14 Sep 2020 16:31

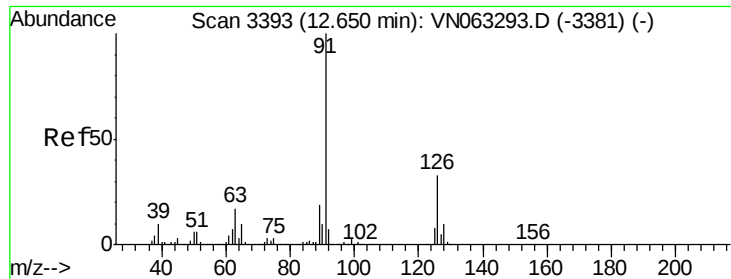
Tgt Ion:	91	Resp:	506515
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





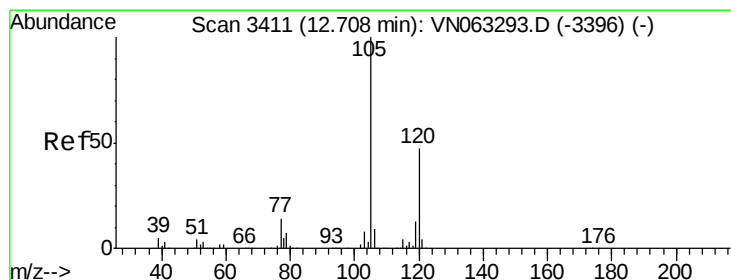
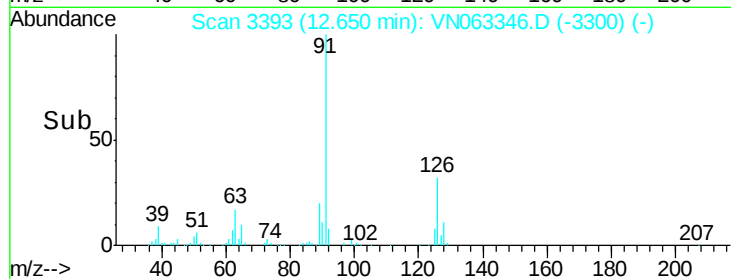
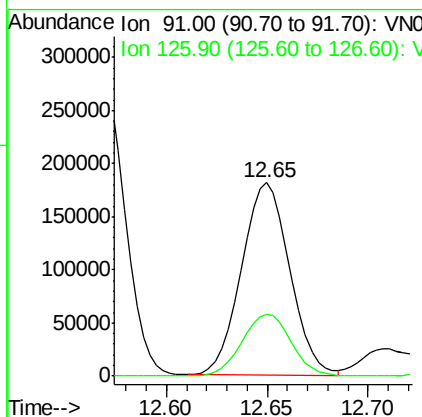
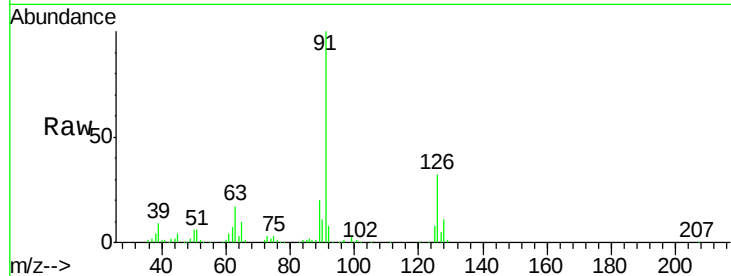
#79
 2-Chlorotoluene
 Concen: 17.489 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.8

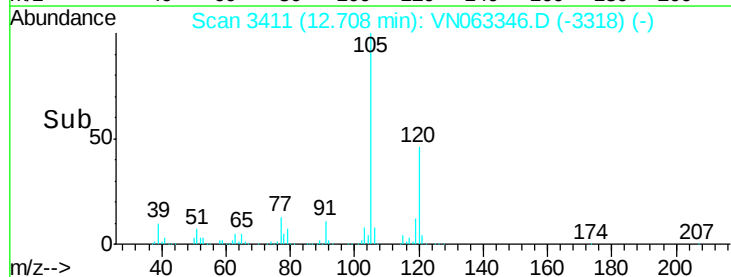
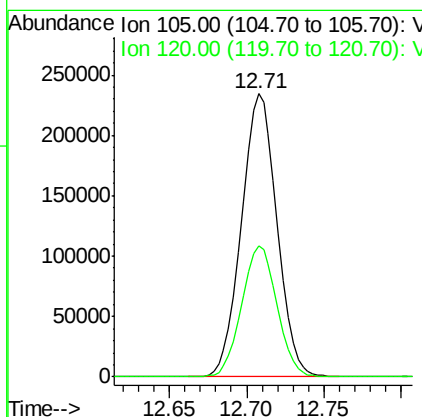
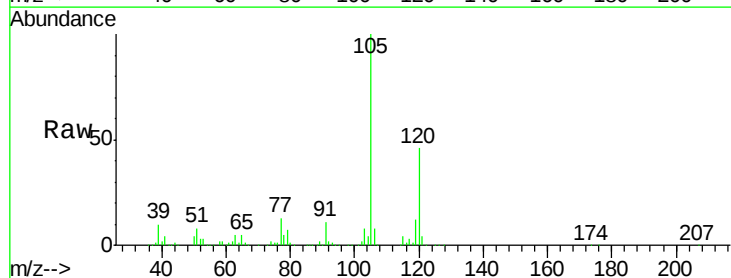
Manual Integrations
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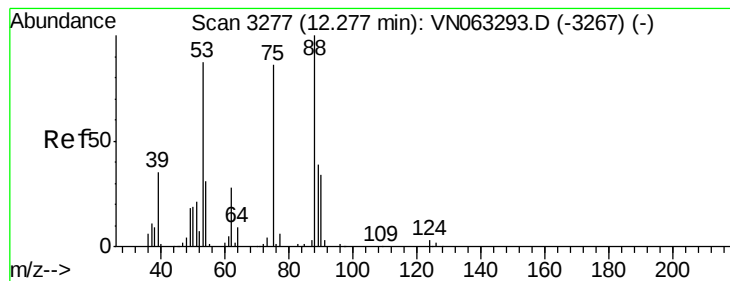
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.057 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.706 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

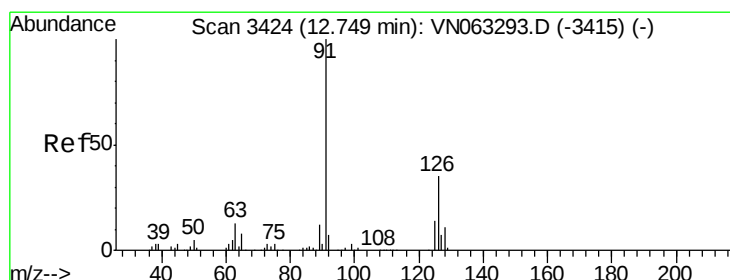
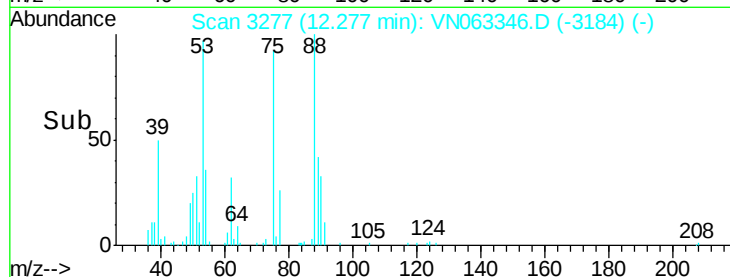
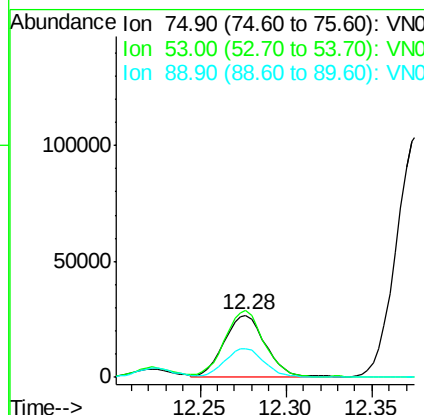
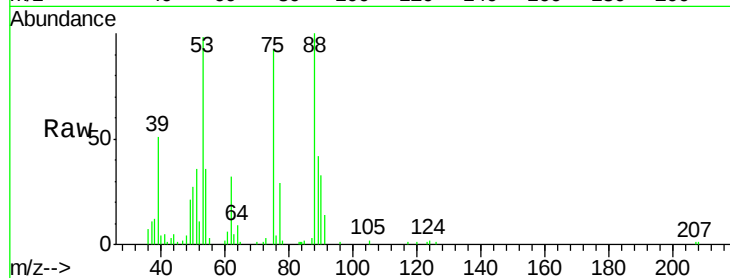
ClientSampleId :

VN0914MBSD01

Tot Ion:	75	Resp:	44819
Ion	Ratio	Lower	Upper
75	100		
53	102.6	81.8	122.8
89	43.6	36.7	55.1

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#82

4-Chlorotoluene

Concen: 17.466 ug/l

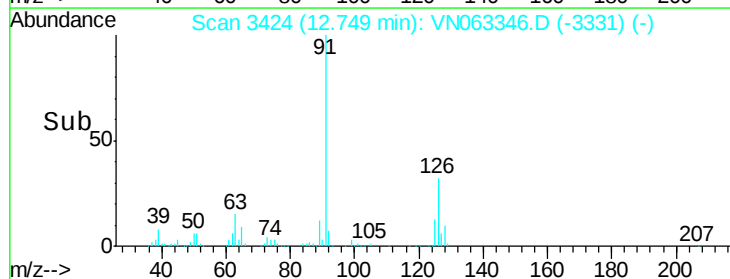
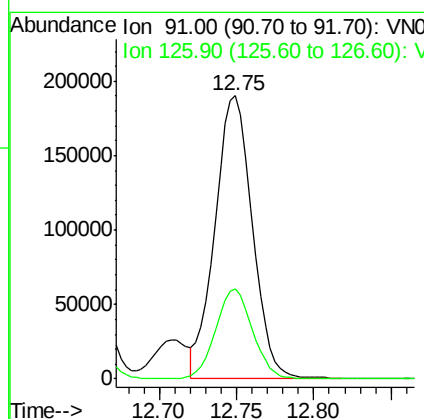
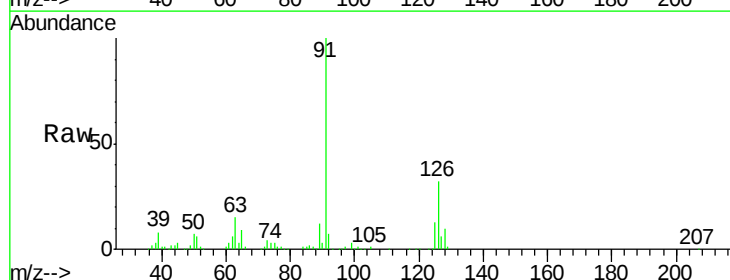
RT: 12.75 min Scan# 3424

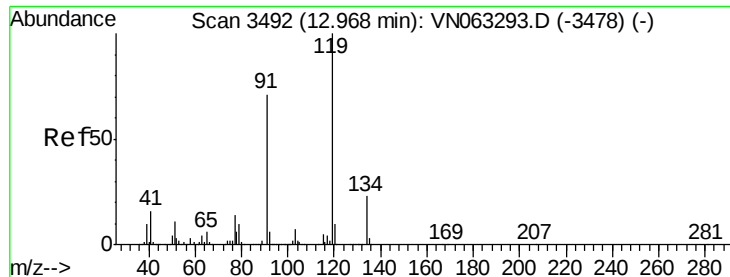
Delta R.T. -0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Tgt Ion:	91	Resp:	318001
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.9	47.7





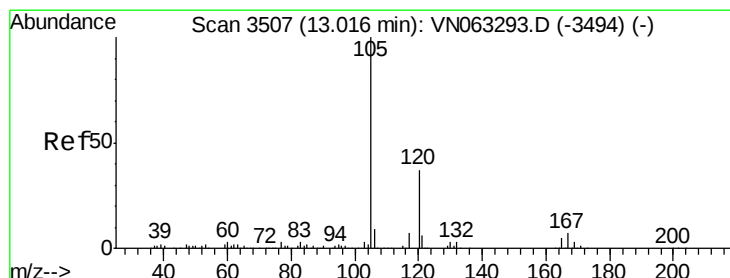
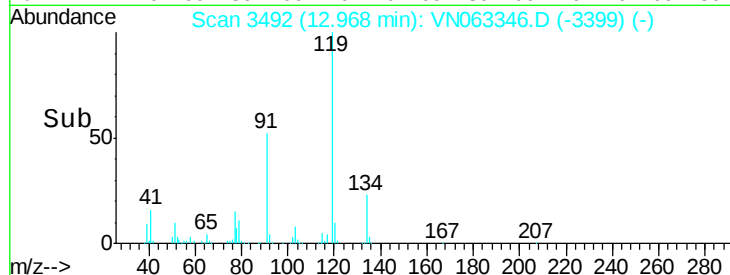
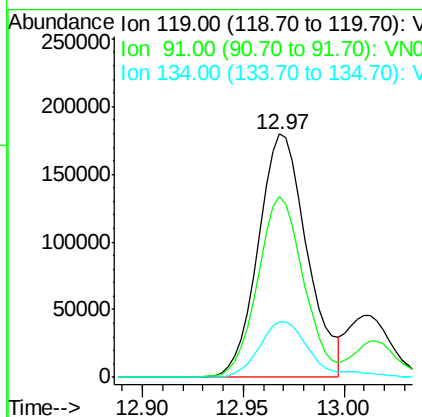
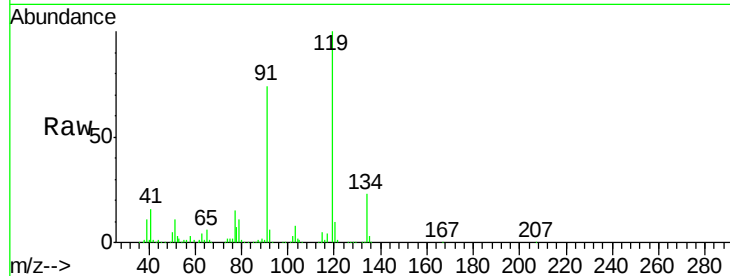
#83
 tert-Butylbenzene
 Concen: 17.263 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	34.8	104.3
134	24.1	11.9	35.5

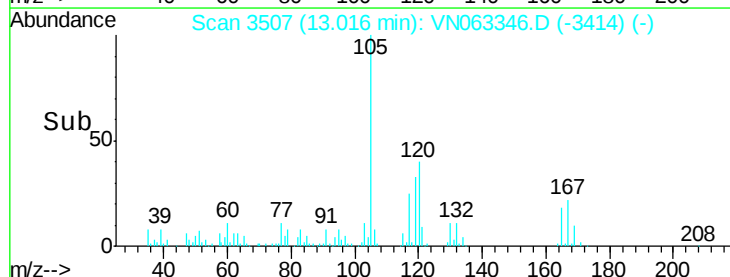
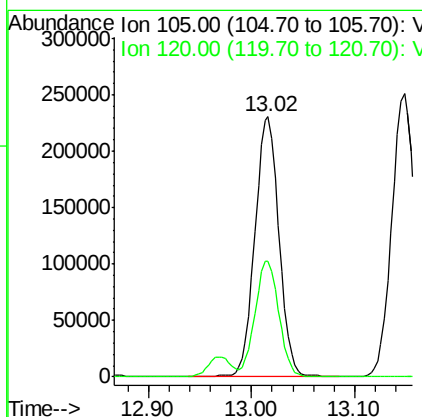
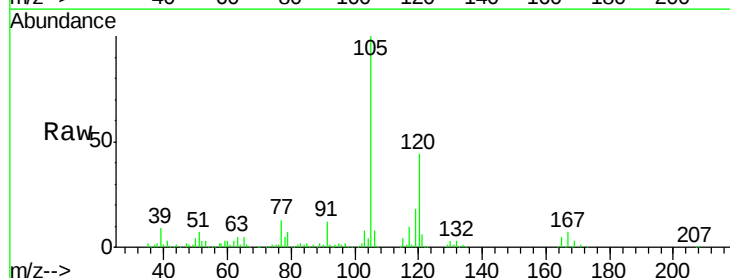
Manual Integrations
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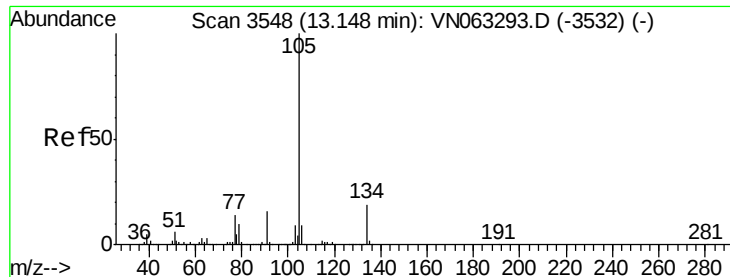
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.938 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.4





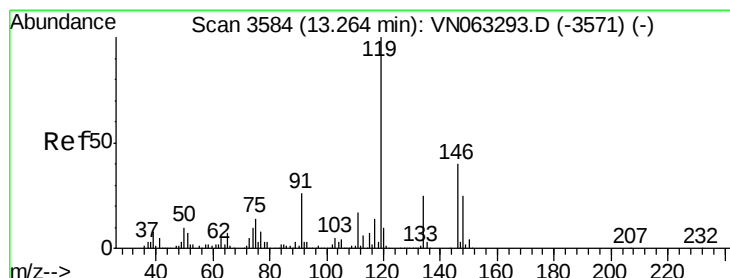
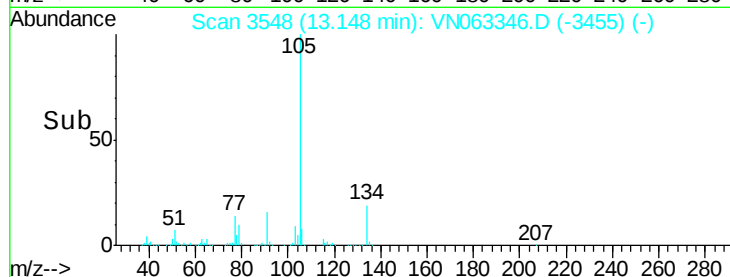
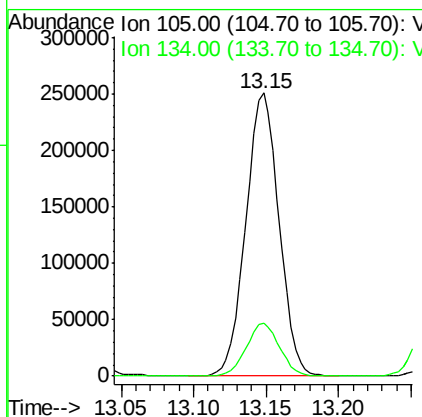
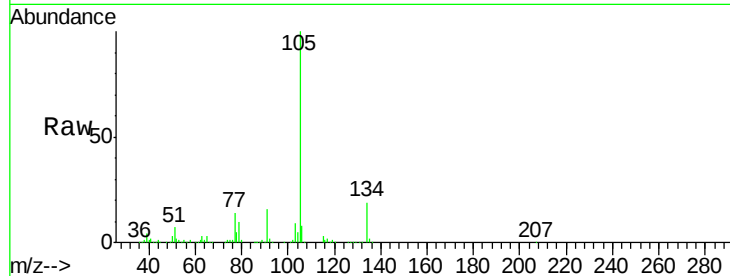
#85
 sec-Butylbenzene
 Concen: 17.859 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	397856		
134	18.9	9.4	28.3	

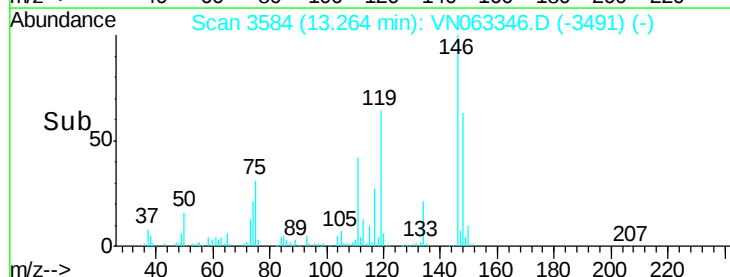
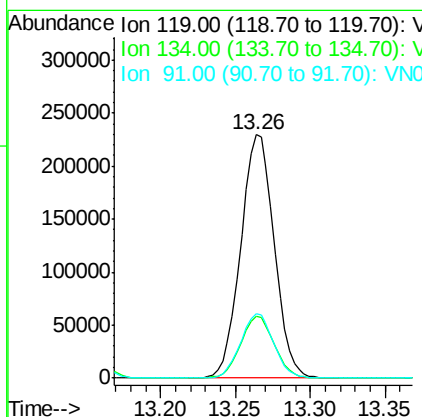
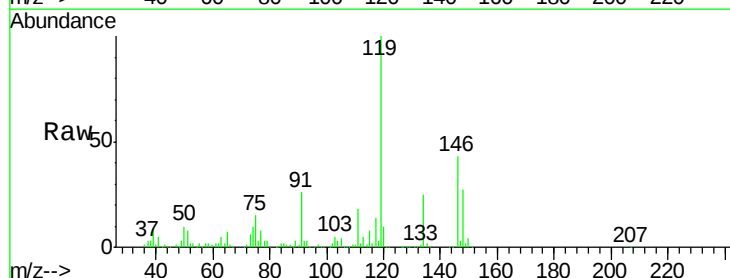
Manual Integrations
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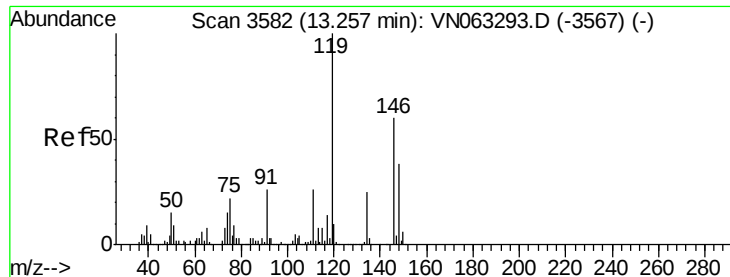
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#86
 p-Isopropyltoluene
 Concen: 17.460 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	356597		
134	25.9	12.6	37.8	
91	25.7	12.8	38.3	





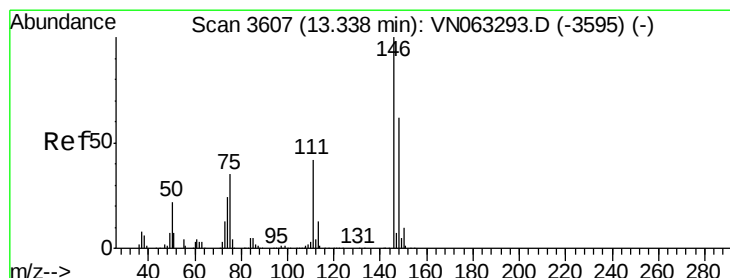
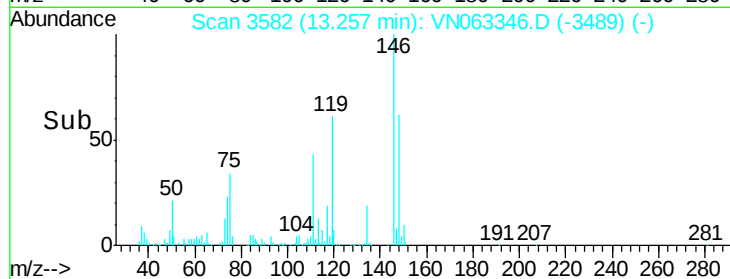
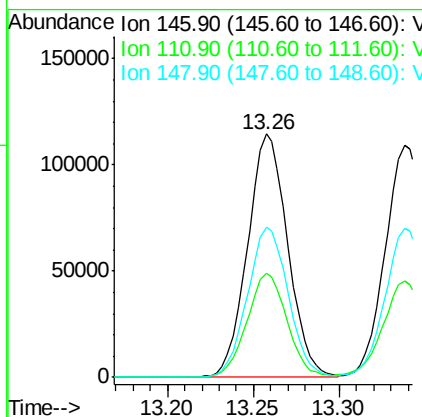
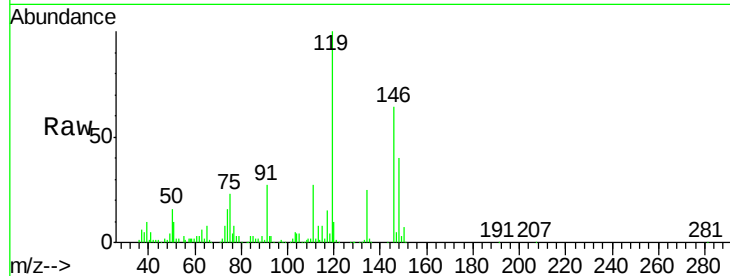
#87
 1,3-Dichlorobenzene
 Concen: 17.736 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.4
148	62.8	31.8	95.4

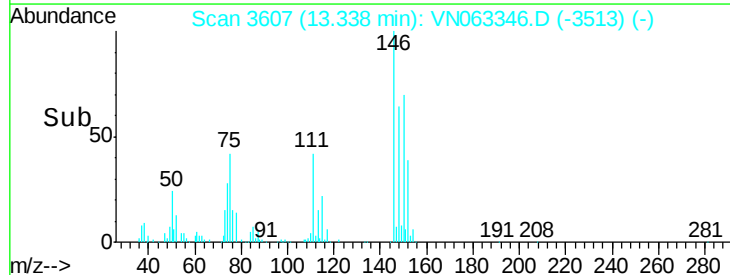
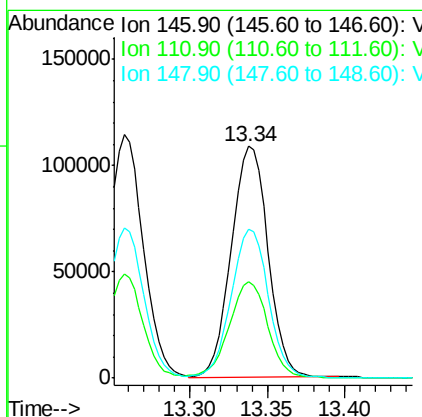
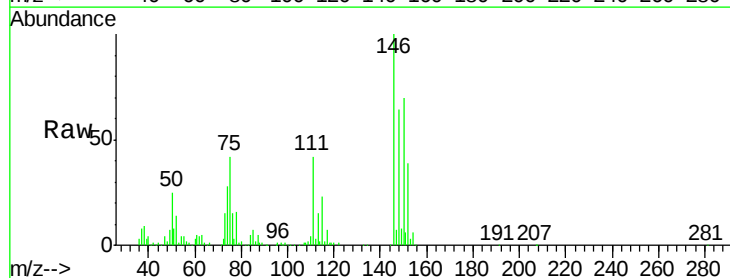
Manual Integrations
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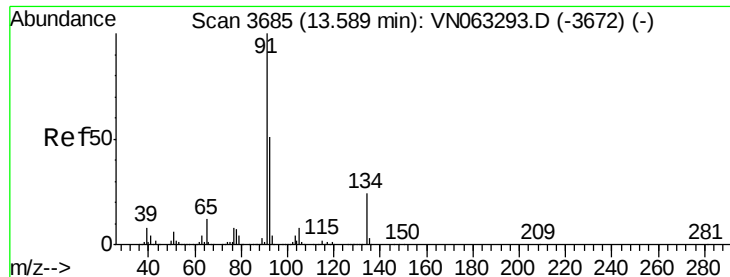
MMDadoda
 9/15/2020 12:15:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.293 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	64.0
148	65.7	31.5	94.5





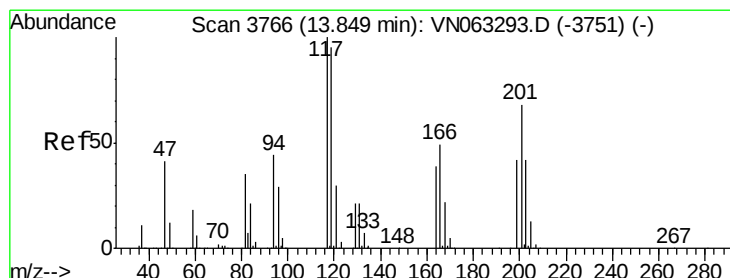
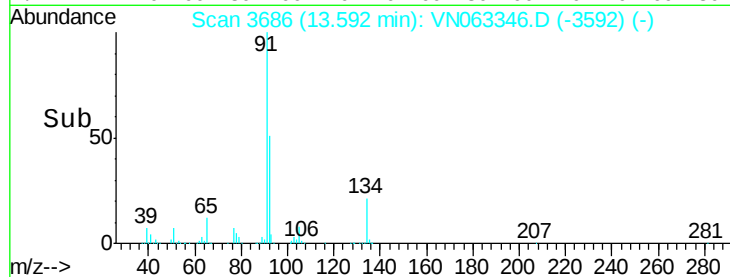
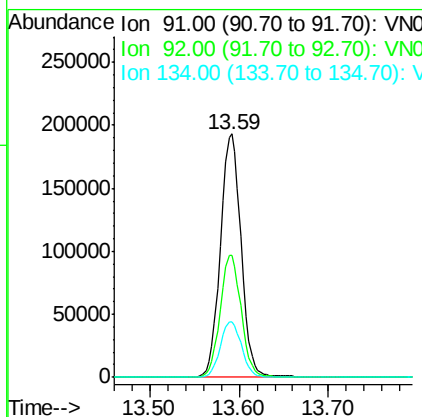
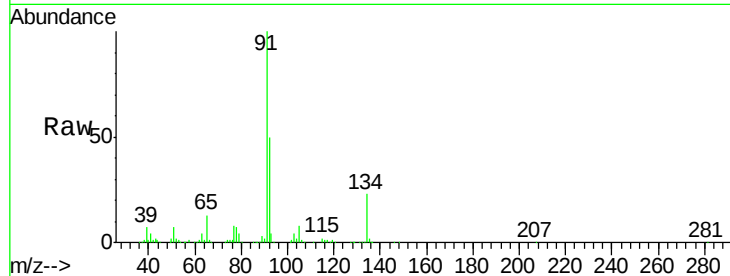
#89
n-Butylbenzene
Concen: 16.879 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Instrument :
MSVOA_N
ClientSampleId :
VN0914MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.8	77.3
134	23.4	12.0	36.0

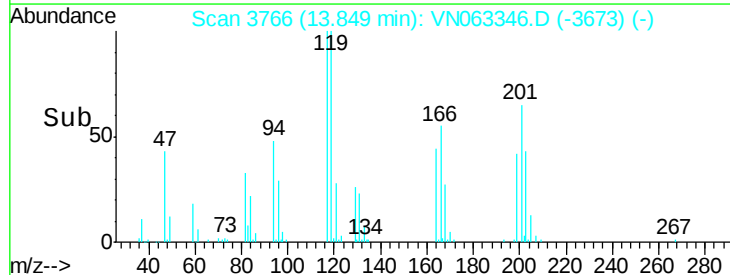
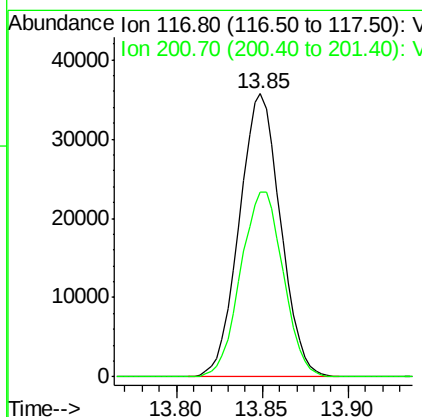
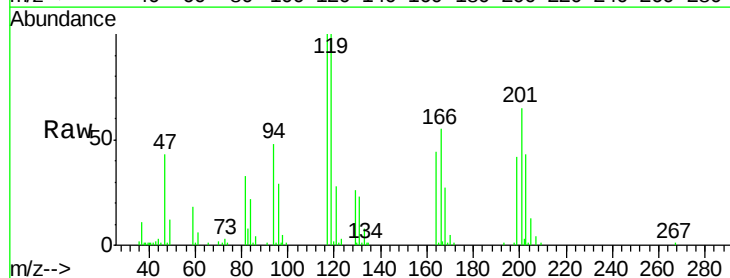
Manual Integrations
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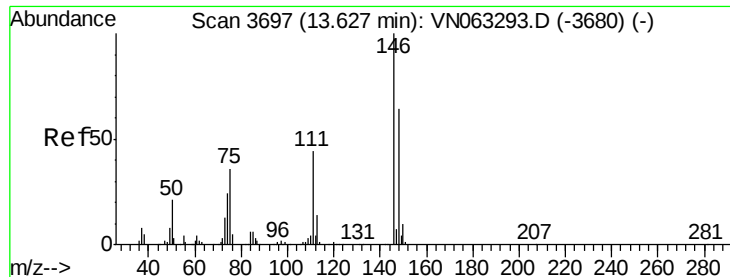
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#90
Hexachloroethane
Concen: 17.735 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063346.D
Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.4	33.5	100.4





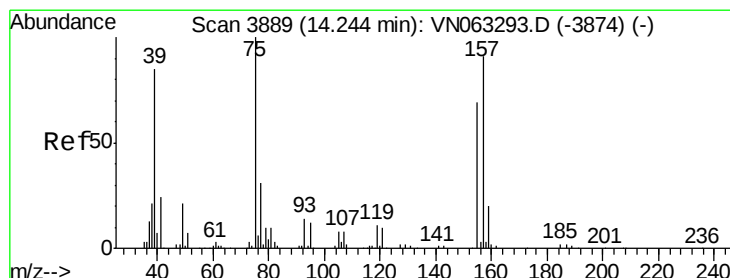
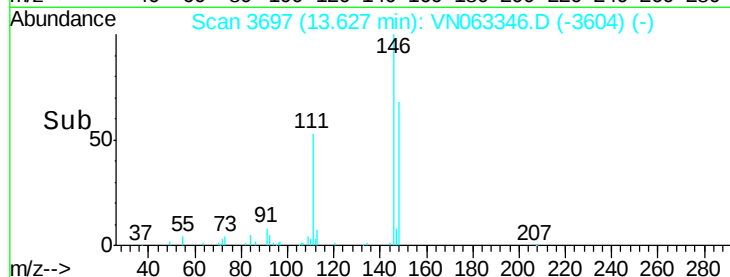
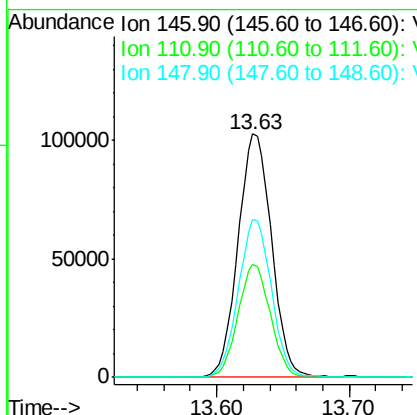
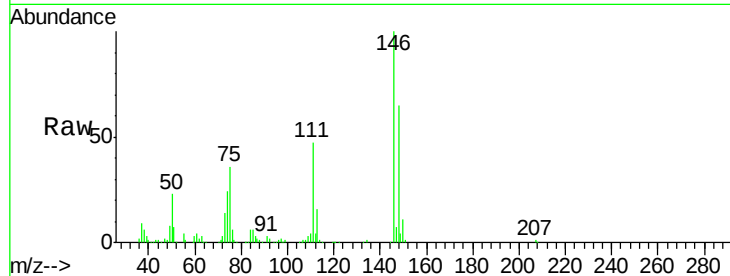
#91
 1,2-Dichlorobenzene
 Concen: 17.545 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181201		
111	44.9	22.1	66.5	
148	63.7	31.8	95.3	

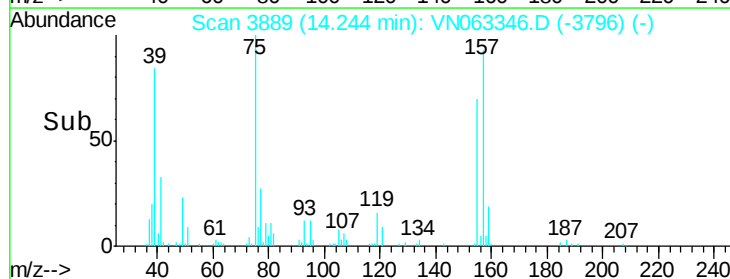
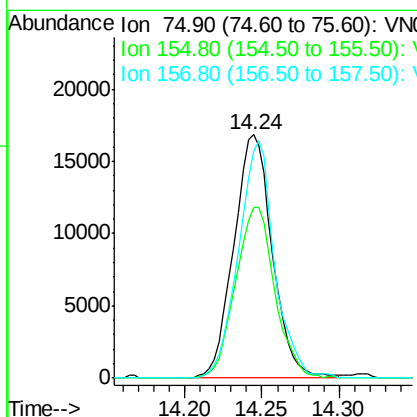
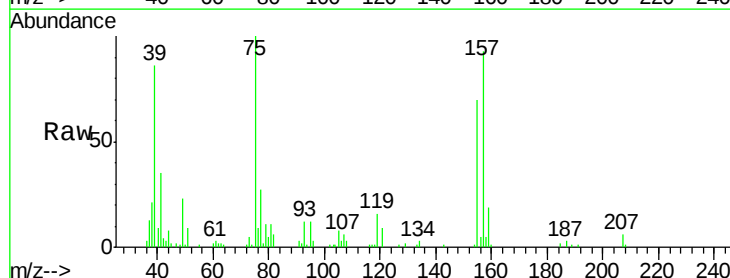
Manual Integrations
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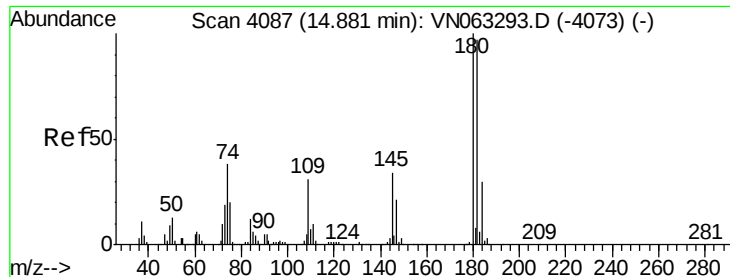
MMDadoda
 9/15/2020 12:15:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.026 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29192		
155	71.2	35.3	105.7	
157	91.1	46.7	140.0	





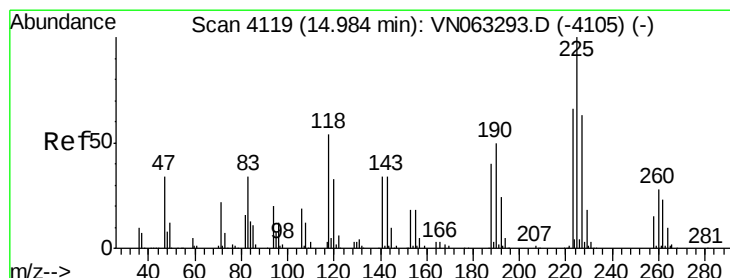
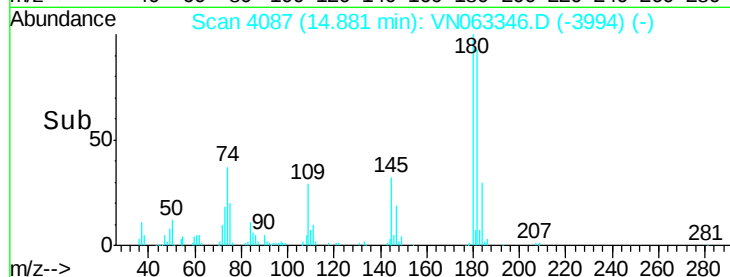
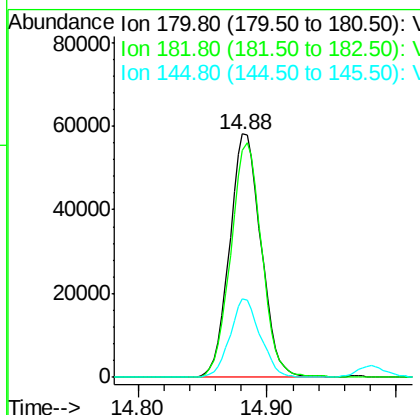
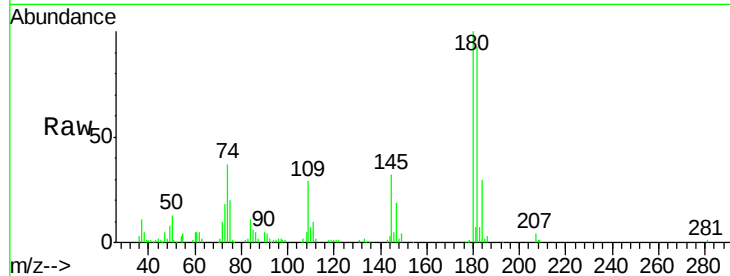
#93
 1,2,4-Trichlorobenzene
 Concen: 16.335 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98747		
182	94.6	48.0	144.2	
145	30.9	16.6	49.8	

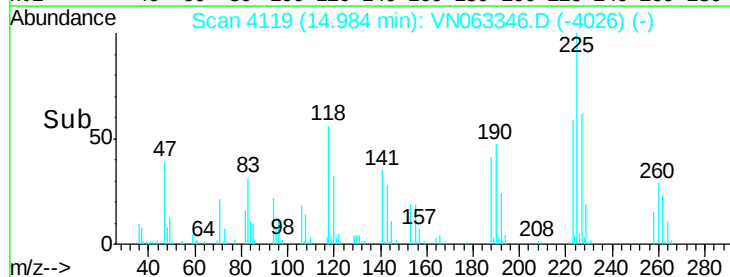
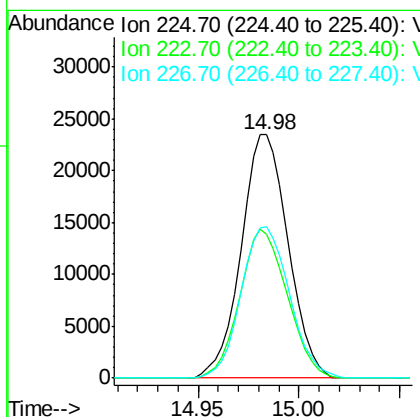
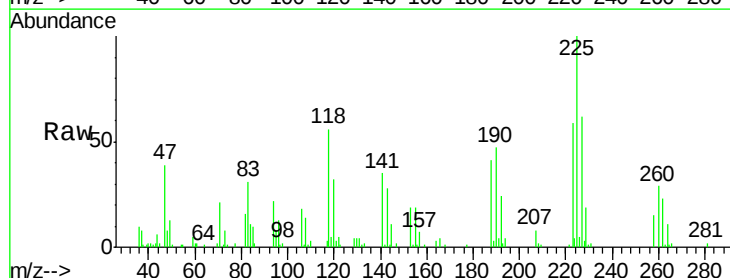
Manual Integrations
 APPROVED

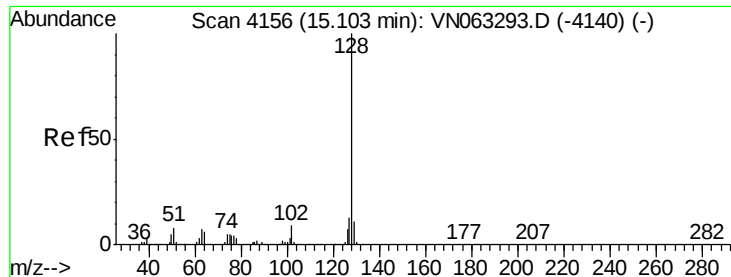
MMDadoda
 9/15/2020 12:15:41 PM



#94
 Hexachlorobutadiene
 Concen: 16.729 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063346.D
 Acq: 14 Sep 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38295		
223	61.7	31.3	93.9	
227	64.2	31.2	93.6	





#95

Naphthalene

Concen: 16.765 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Instrument :

MSVOA_N

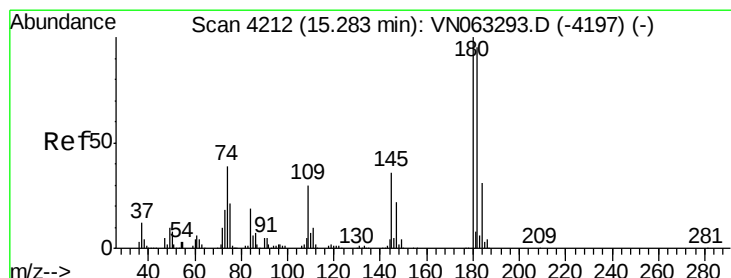
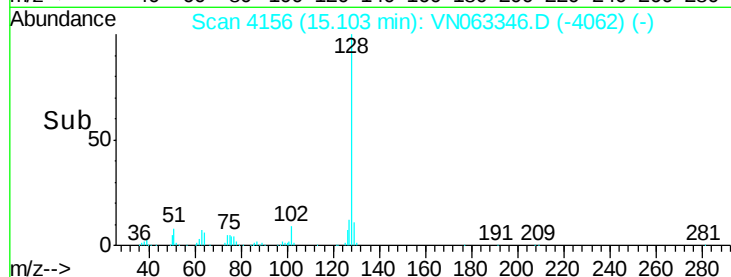
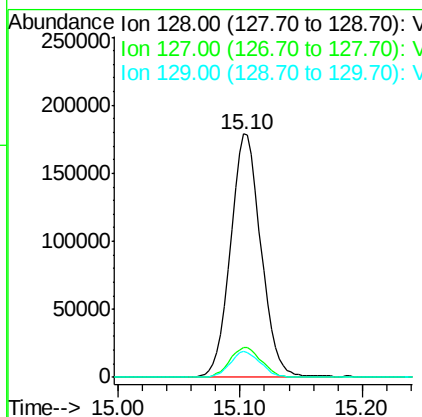
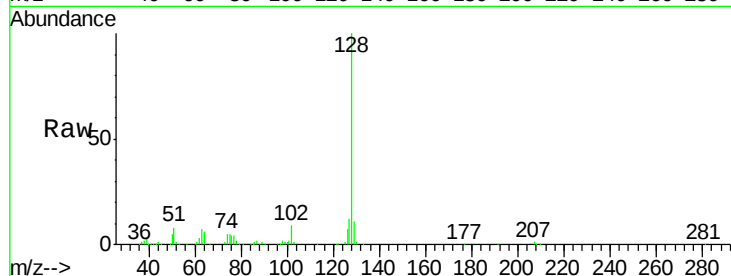
ClientSampleId :

VN0914MBSD01

Tot Ion:	128	Resp:	311028
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 16.725 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063346.D

Acq: 14 Sep 2020 16:31

Tgt Ion:	180	Resp:	93775
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.4	142.3
145	35.2	17.2	51.6

