

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063359.D
 Acq On : 16 Sep 2020 11:32
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:07:50 PM

Quant Time: Sep 16 12:33:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 12:15:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	273557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	482567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	441383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	89445	20.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.26%	
35) Dibromofluoromethane	7.55	113	63694	20.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.72%	
50) Toluene-d8	10.06	98	237954	19.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.72%	
62) 4-Bromofluorobenzene	12.38	95	85125	19.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62256	22.943	ug/l	96
3) Chloromethane	2.03	50	83012	20.848	ug/l	99
4) Vinyl Chloride	2.16	62	76577	20.666	ug/l	99
5) Bromomethane	2.53	94	42907	17.143	ug/l	96
6) Chloroethane	2.68	64	44153	18.520	ug/l	94
7) Trichlorofluoromethane	2.99	101	109871	19.257	ug/l	99
8) Diethyl Ether	3.37	74	41531	19.986	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59964	19.902	ug/l	98
10) Methyl Iodide	3.91	142	77714	20.014	ug/l	97
11) Tert butyl alcohol	4.73	59	67648	116.499	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	62021	20.518	ug/l	100
13) Acrolein	3.57	56	29810	111.923	ug/l	99
14) Allyl chloride	4.28	41	125036	20.191	ug/l	99
15) Acrylonitrile	4.93	53	173133	110.458	ug/l	99
16) Acetone	3.78	43	148462	99.850	ug/l	100
17) Carbon Disulfide	4.01	76	177659	19.013	ug/l	100
18) Methyl Acetate	4.28	43	78310	20.876	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	225792	20.876	ug/l	100
20) Methylene Chloride	4.50	84	73323	19.258	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	67032	19.853	ug/l	97
22) Diisopropyl ether	5.90	45	253582	20.948	ug/l	96
23) Vinyl Acetate	5.84	43	1068684	111.539	ug/l	100
24) 1,1-Dichloroethane	5.80	63	139390	21.082	ug/l	97
25) 2-Butanone	6.78	43	236209	107.092	ug/l	98
26) 2,2-Dichloropropane	6.77	77	118992	20.588	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	76689	19.493	ug/l	96
28) Bromochloromethane	7.15	49	60628	19.093	ug/l	96
29) Tetrahydrofuran	7.16	42	163262	113.630	ug/l	99
30) Chloroform	7.33	83	135272	20.508	ug/l	99
31) Cyclohexane	7.61	56	125205	20.614	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	121885	21.120	ug/l	98
36) 1,1-Dichloropropene	7.76	75	99689	19.919	ug/l	99
37) Ethyl Acetate	6.88	43	105981	21.448	ug/l	99
38) Carbon Tetrachloride	7.74	117	104483	21.086	ug/l	98

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	108185	19.832	ug/l	98
40) Benzene	8.00	78	290359	20.347	ug/l	100
41) Methacrylonitrile	7.12	41	41481	18.447	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	117067	21.407	ug/l	99
43) Isopropyl Acetate	8.13	43	180765	21.569	ug/l	97
44) Trichloroethene	8.80	130	70233	19.105	ug/l	98
45) 1,2-Dichloropropane	9.08	63	80537	20.555	ug/l	99
46) Dibromomethane	9.17	93	51397	20.125	ug/l	97
47) Bromodichloromethane	9.37	83	109283	20.606	ug/l	100
48) Methyl methacrylate	9.16	41	84484	20.979	ug/l	95
49) 1,4-Dioxane	9.16	88	27071	436.320	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	529345	114.746	ug/l	99
52) Toluene	10.12	92	178417	20.426	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	120474	20.801	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	127039	20.394	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	69601	20.346	ug/l	96
56) Ethyl methacrylate	10.40	69	109050	20.983	ug/l	99
57) 1,3-Dichloropropane	10.68	76	125873	21.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	271990	97.317	ug/l	99
59) 2-Hexanone	10.72	43	389490	114.557	ug/l	100
60) Dibromochloromethane	10.87	129	80549	21.416	ug/l	97
61) 1,2-Dibromoethane	10.98	107	71628	20.064	ug/l	98
64) Tetrachloroethene	10.60	164	58199	16.548	ug/l	96
65) Chlorobenzene	11.41	112	184201	19.339	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	69304	19.935	ug/l	99
67) Ethyl Benzene	11.48	91	346677	20.212	ug/l	99
68) m/p-Xylenes	11.60	106	251299	39.566	ug/l	100
69) o-Xylene	11.92	106	122014	20.070	ug/l	98
70) Styrene	11.94	104	202048	19.927	ug/l	99
71) Bromoform	12.10	173	50682	20.804	ug/l #	100
73) Isopropylbenzene	12.22	105	327789	20.217	ug/l	100
74) N-amyl acetate	12.05	43	157246	23.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	106826	22.746	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	97932m	21.650	ug/l	
77) Bromobenzene	12.50	156	73127	19.641	ug/l	98
78) n-propylbenzene	12.57	91	379989	20.663	ug/l	100
79) 2-Chlorotoluene	12.65	91	230076	20.351	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	275634	20.465	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	37371	22.422	ug/l	94
82) 4-Chlorotoluene	12.75	91	238612	20.078	ug/l	100
83) tert-Butylbenzene	12.97	119	224132	19.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	274995	20.244	ug/l	99
85) sec-Butylbenzene	13.14	105	302110	20.801	ug/l	98
86) p-Isopropyltoluene	13.26	119	262937	19.790	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	134771	19.788	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	135042	19.048	ug/l	99
89) n-Butylbenzene	13.59	91	241143	20.075	ug/l	99
90) Hexachloroethane	13.85	117	49212	22.226	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	137469	20.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24519	22.802	ug/l	98

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MSVOA_N
ClientSampleId :
VSTDICC020

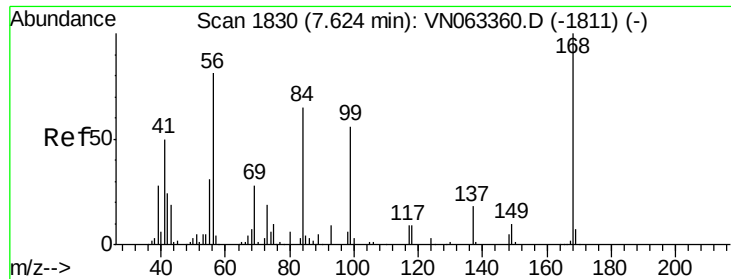
Manual Integrations
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9/17/2020 1:07:50 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	76617	19.283	ug/l	99
94) Hexachlorobutadiene	14.98	225	31933	18.778	ug/l	97
95) Naphthalene	15.10	128	260550	20.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	74306	19.114	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 273557

Ion Ratio Lower Upper

168 100

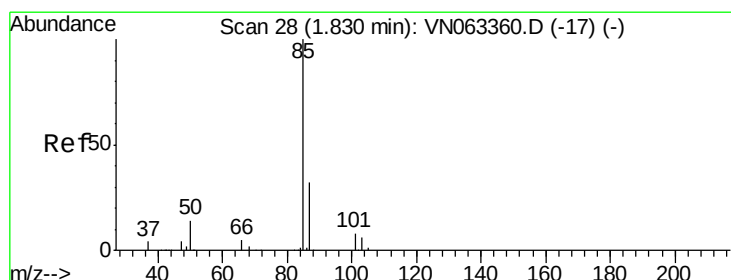
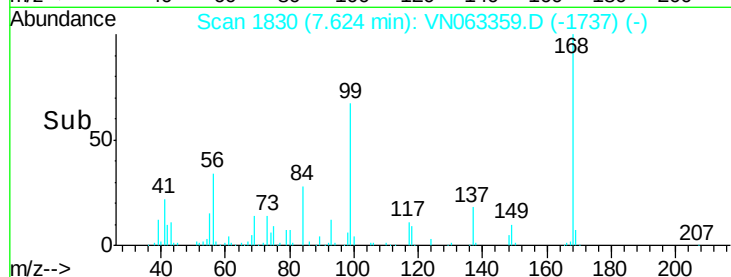
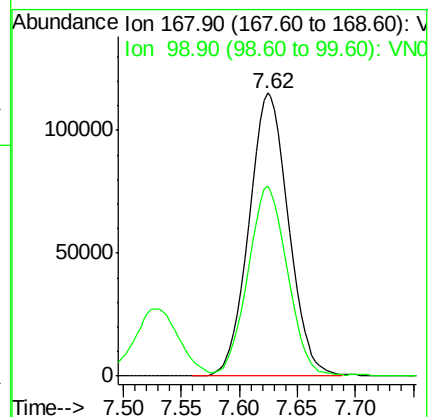
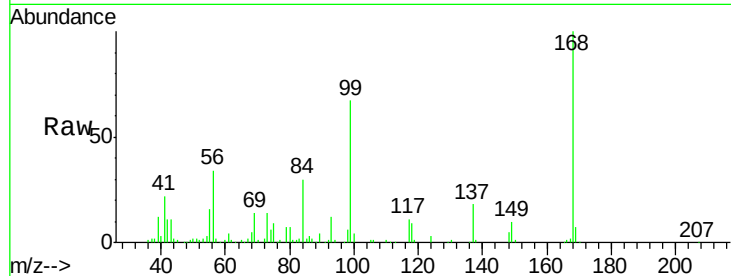
99 66.8 53.0 79.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.943 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063359.D

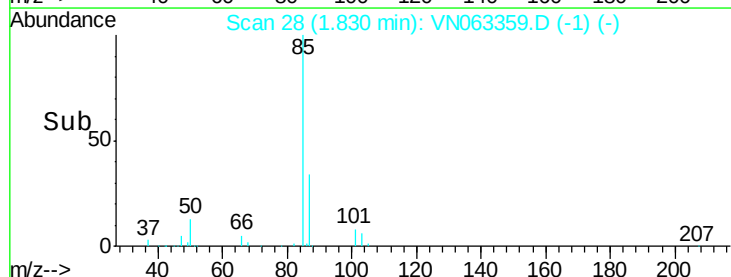
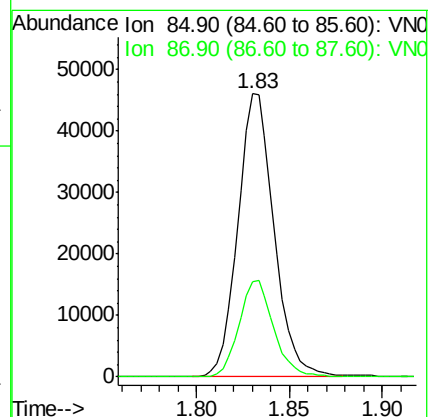
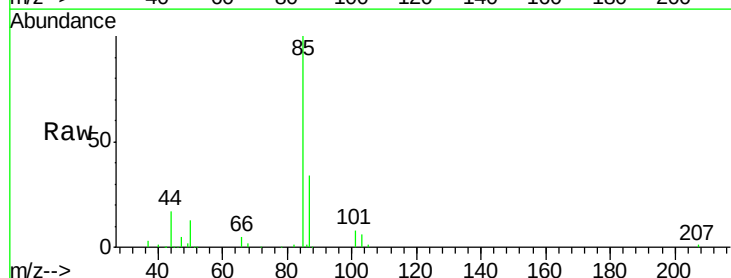
Acq: 16 Sep 2020 11:32

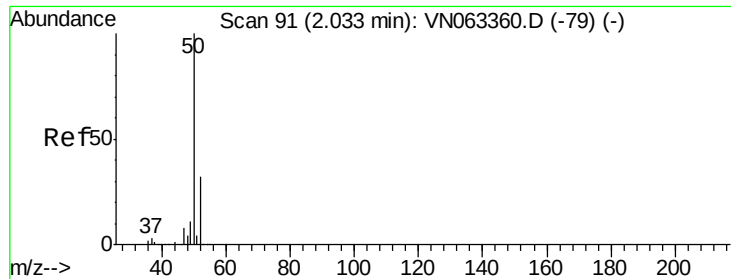
Tgt Ion: 85 Resp: 62256

Ion Ratio Lower Upper

85 100

87 33.9 15.9 47.6





#3

Chloromethane

Concen: 20.848 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 83012

Ion Ratio Lower Upper

50 100

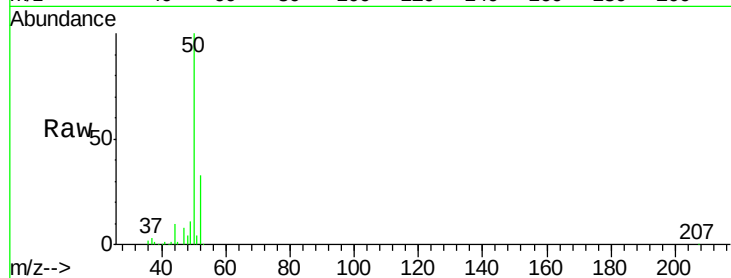
52 32.8 25.9 38.9

Manual Integrations

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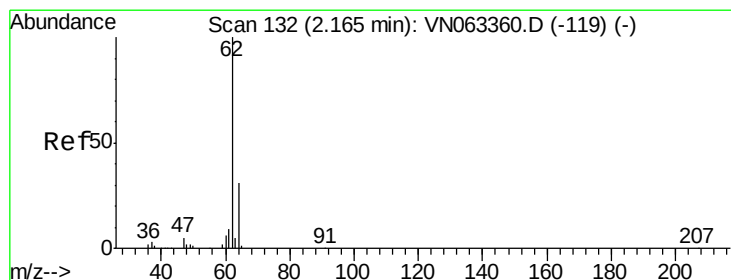
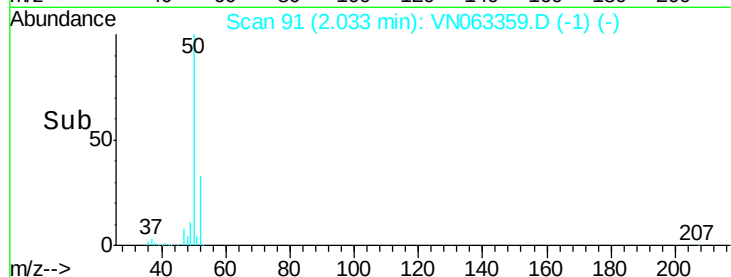
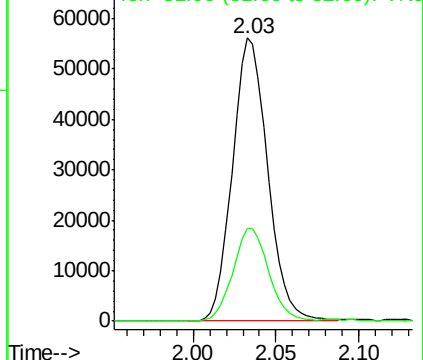
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.666 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063359.D

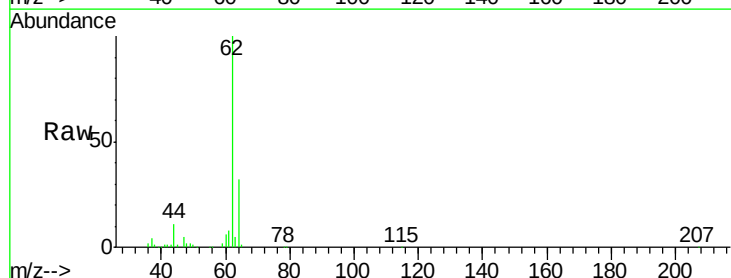
Acq: 16 Sep 2020 11:32

Tgt Ion: 62 Resp: 76577

Ion Ratio Lower Upper

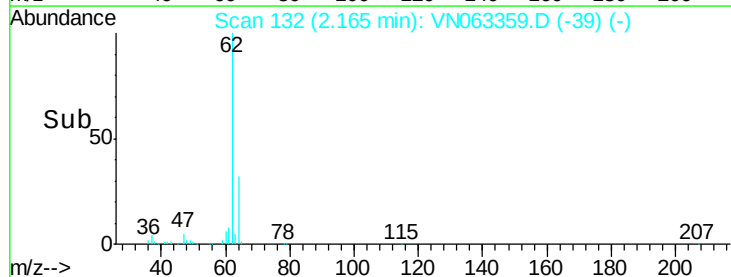
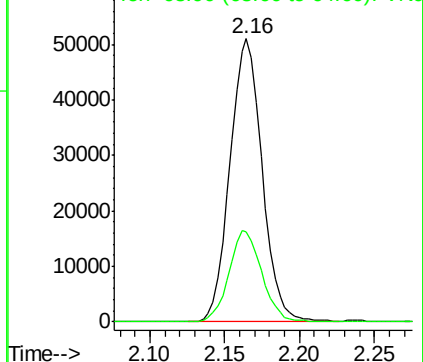
62 100

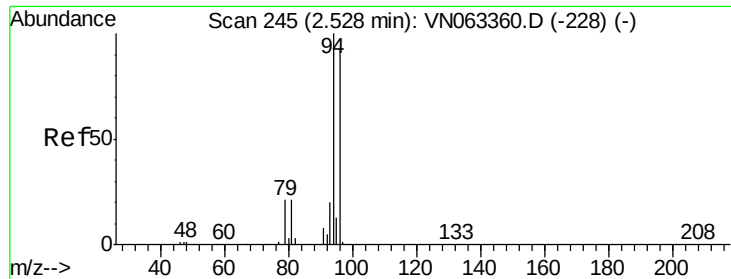
64 31.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.143 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 42907

Ion Ratio Lower Upper

94 100

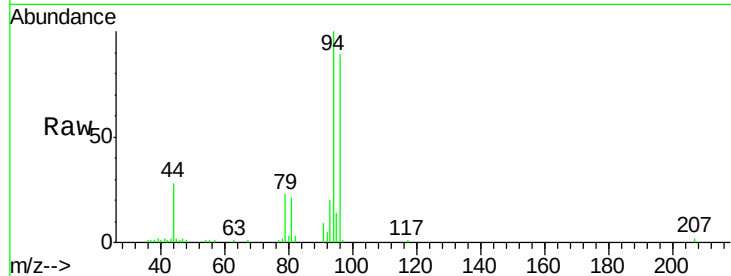
96 89.1 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

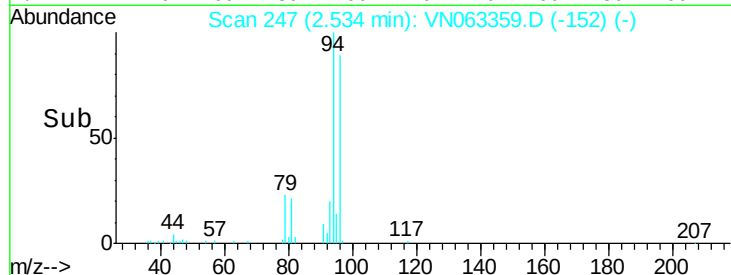
15000

10000

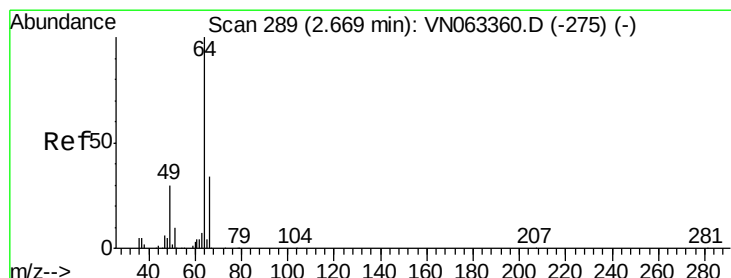
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 18.520 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063359.D

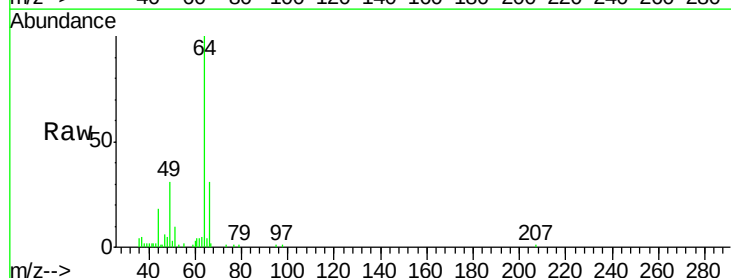
Acq: 16 Sep 2020 11:32

Tgt Ion: 64 Resp: 44153

Ion Ratio Lower Upper

64 100

66 29.9 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

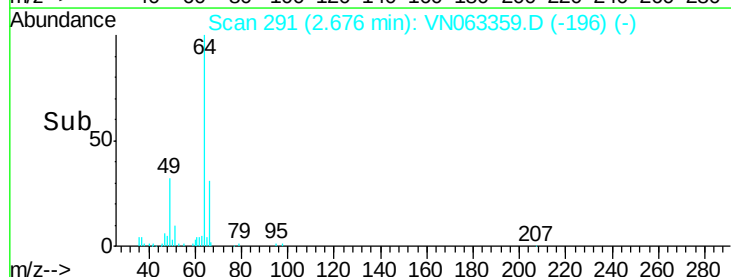
15000

10000

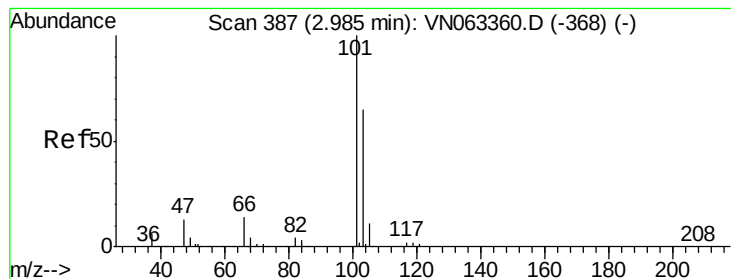
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0

Time-->



Time-->



#7

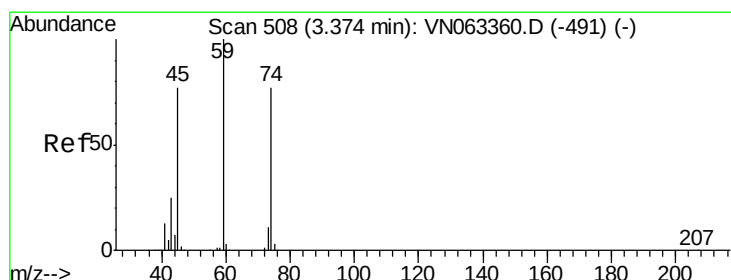
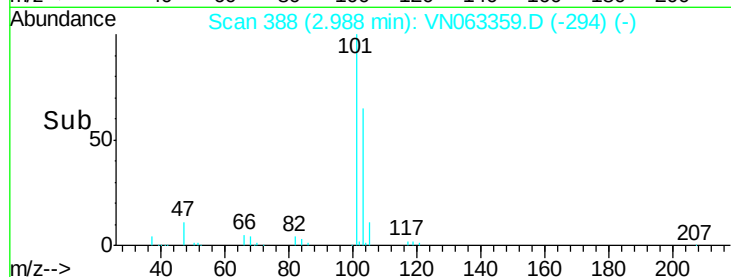
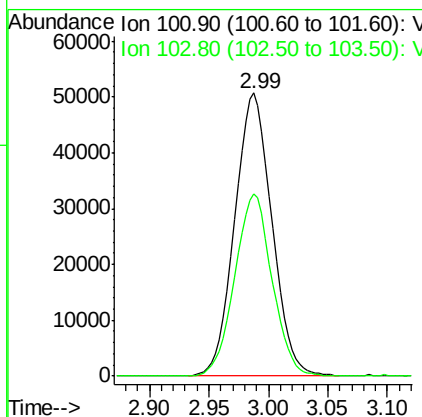
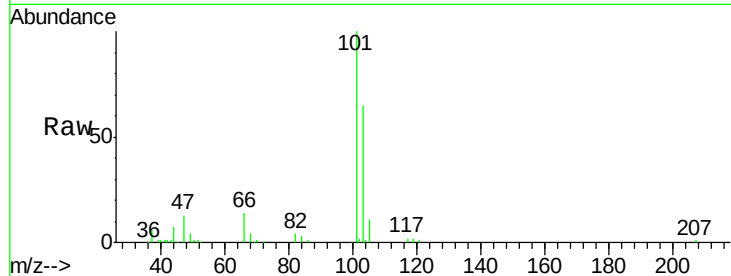
Trichlorofluoromethane
 Concen: 19.257 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
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 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.3	78.5

Manual Integrations
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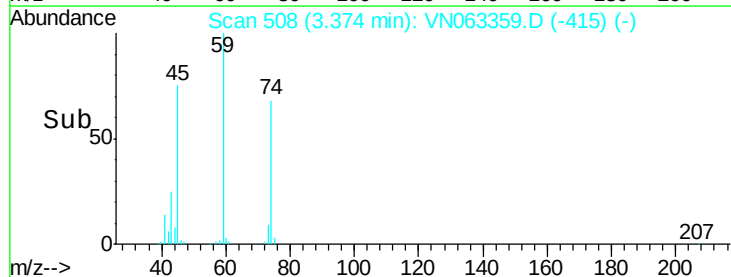
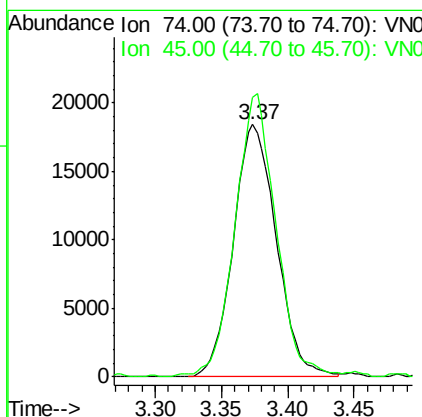
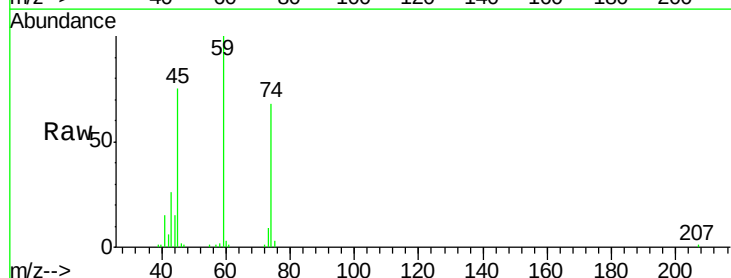
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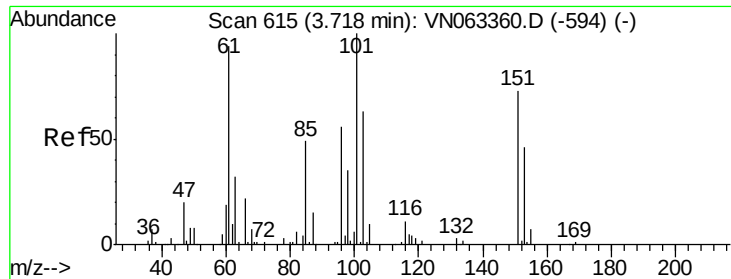


#8

Diethyl Ether
 Concen: 19.986 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.902 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

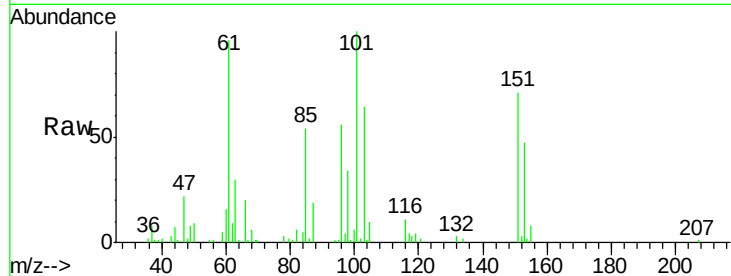
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	59964
Ion Ratio	Lower	Upper	
101	100		
85	50.2	37.7	56.5
151	72.7	57.7	86.5

Manual Integrations
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MMDadoda
9/17/2020 1:07:50 PM

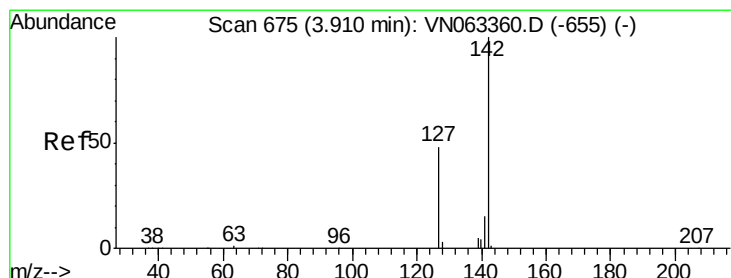
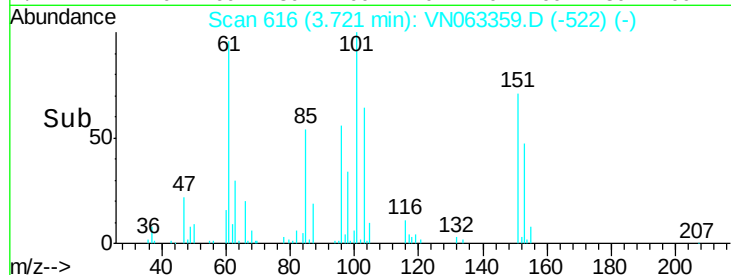
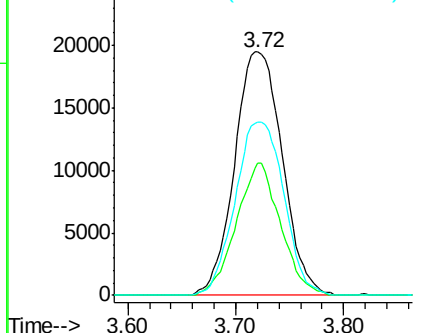


Abundance

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: 20.014 ug/l

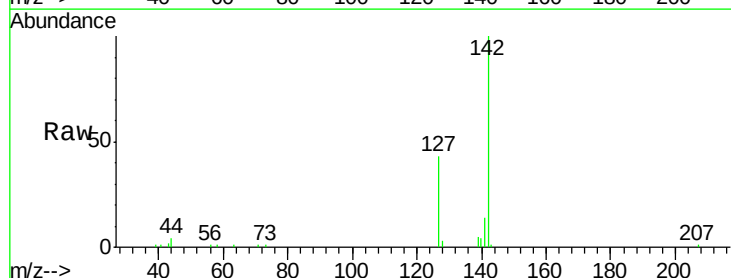
RT: 3.91 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion:	142	Resp:	77714
Ion Ratio	Lower	Upper	
142	100		
127	46.3	39.0	58.6
141	14.6	11.6	17.4

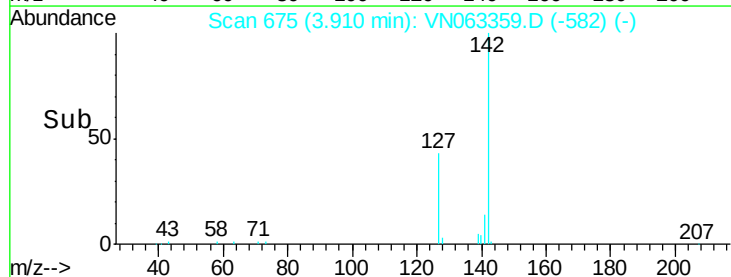
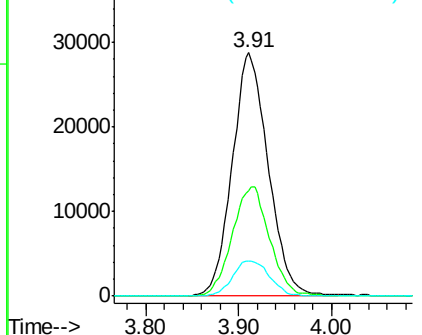


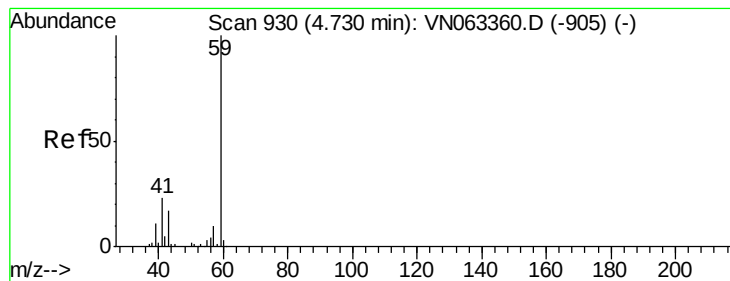
Abundance

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

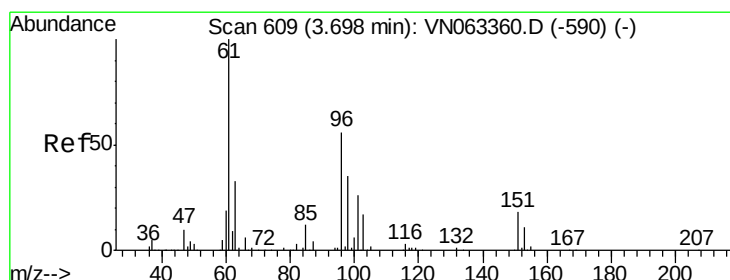
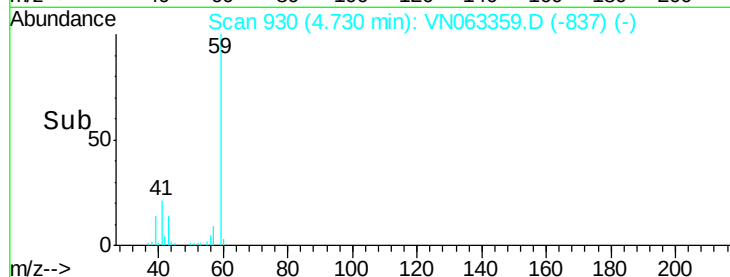
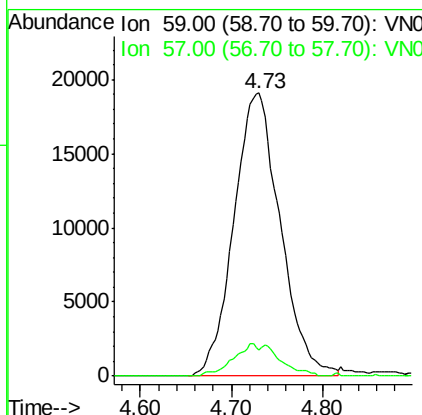
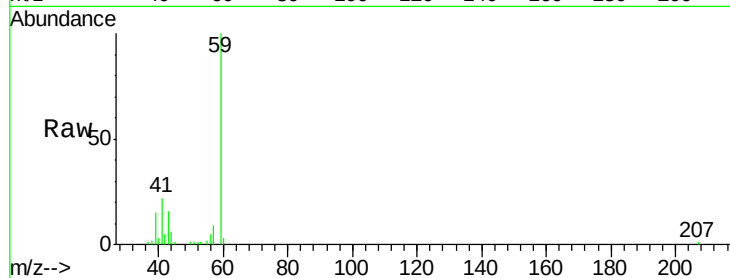
Tert butyl alcohol
 Concen: 116.499 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.8	8.4	12.6#

Manual Integrations
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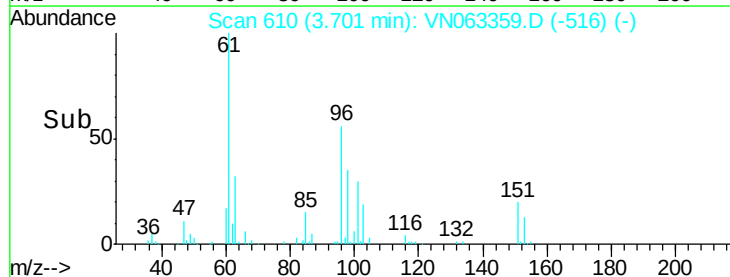
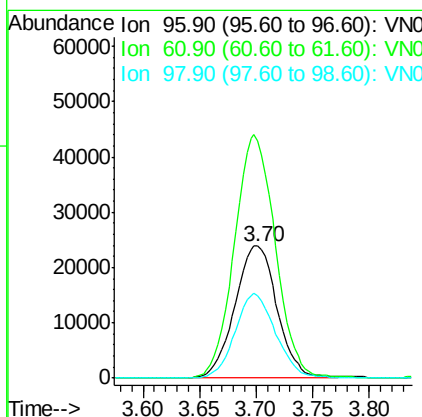
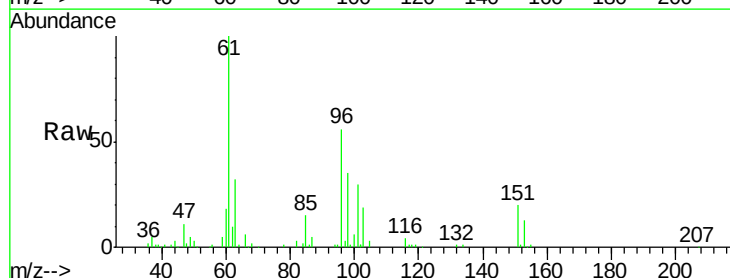
MMDadoda
 9/17/2020 1:07:50 PM

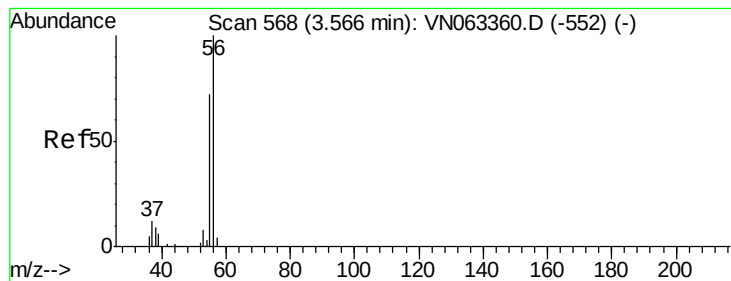


#12

1,1-Dichloroethene
 Concen: 20.518 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.7	143.4	215.2
98	62.5	50.6	76.0





#13

Acrolein

Concen: 111.923 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 29810

Ion Ratio Lower Upper

56 100

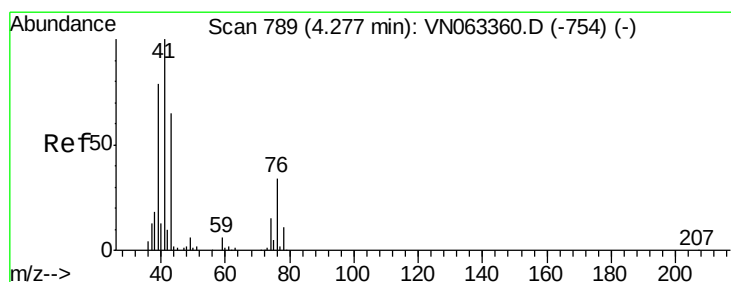
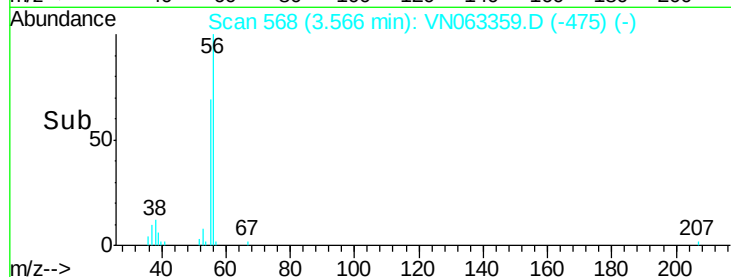
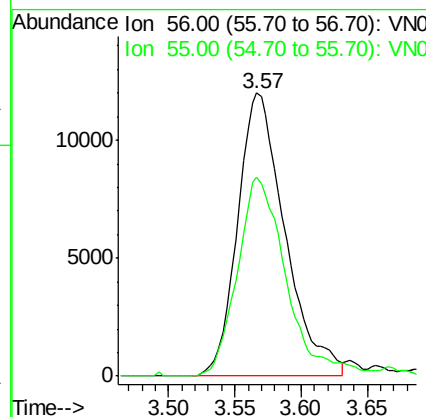
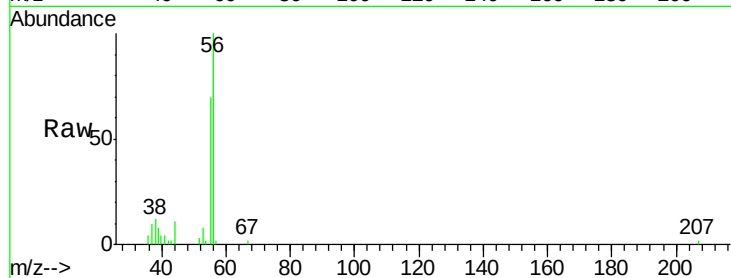
55 72.1 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.191 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

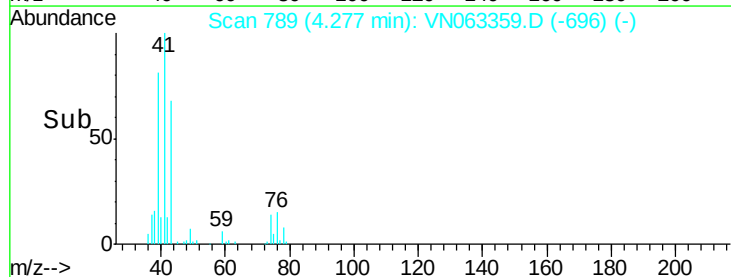
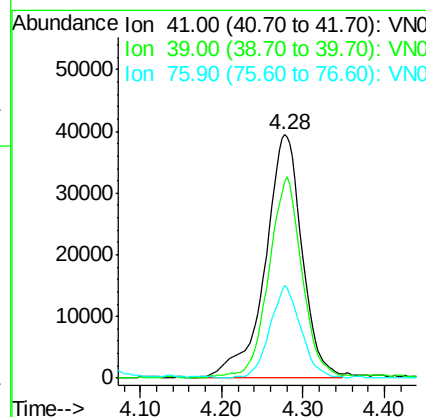
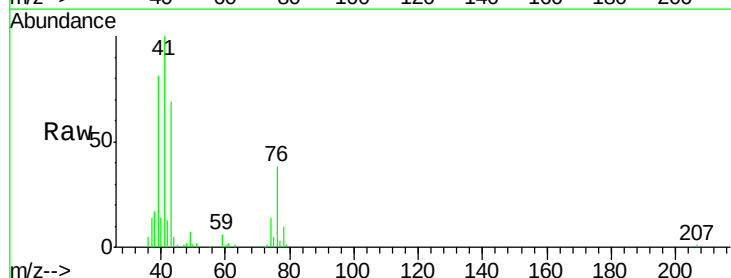
Tgt Ion: 41 Resp: 125036

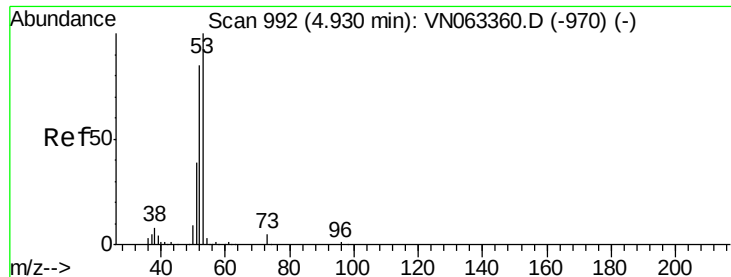
Ion Ratio Lower Upper

41 100

39 75.1 59.3 88.9

76 32.0 25.3 37.9





#15

Acrylonitrile

Concen: 110.458 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

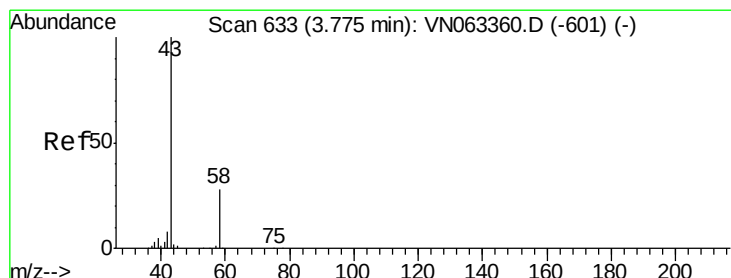
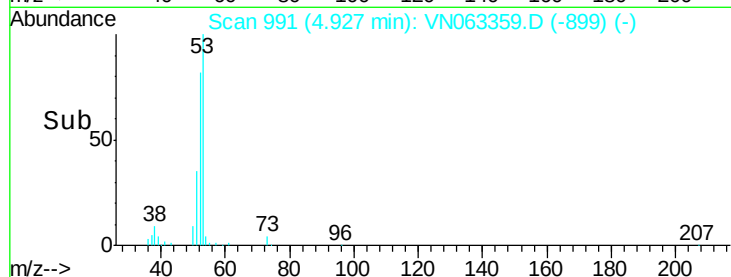
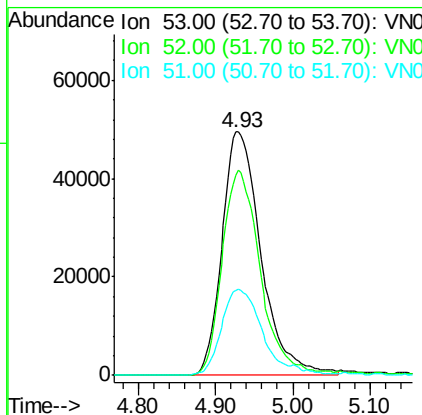
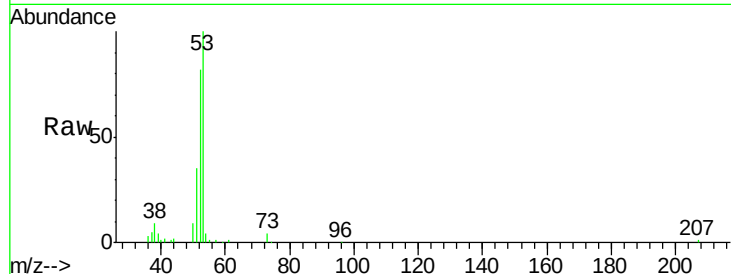
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	173133
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	37.6	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 99.850 ug/l

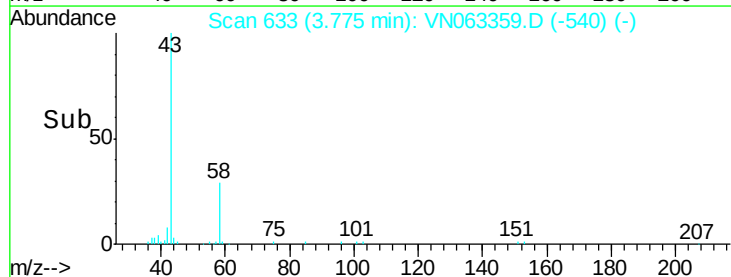
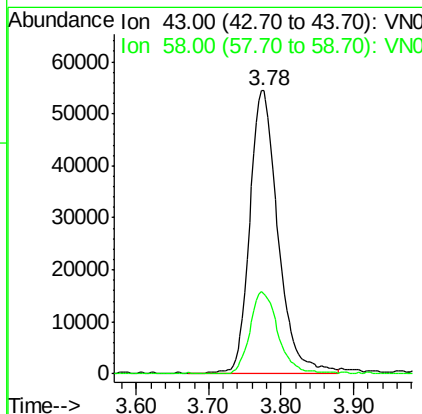
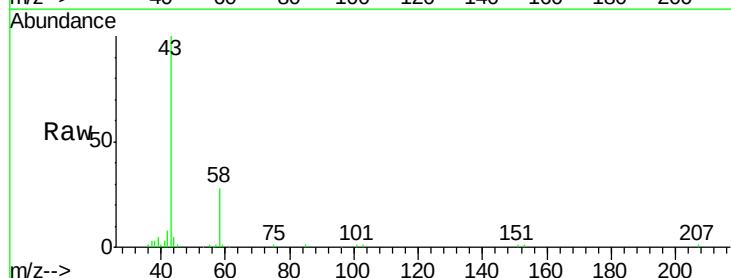
RT: 3.78 min Scan# 633

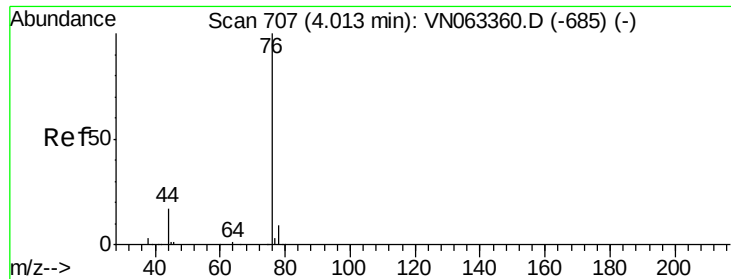
Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion:	43	Resp:	148462
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.3	33.5





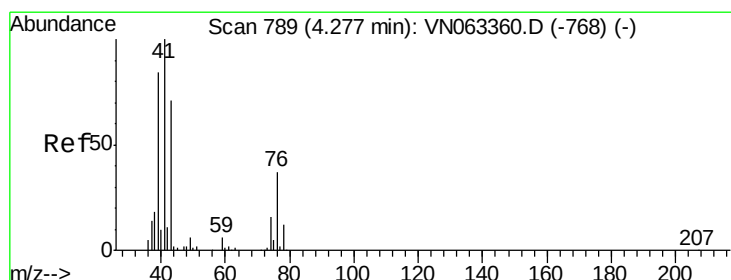
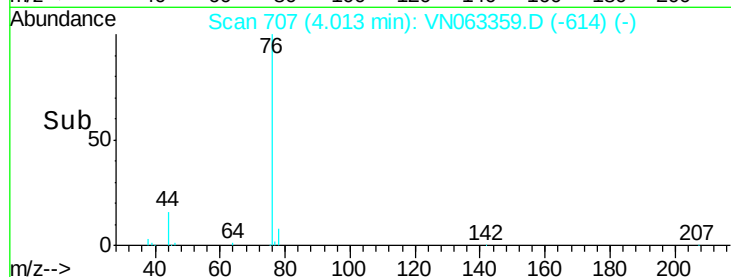
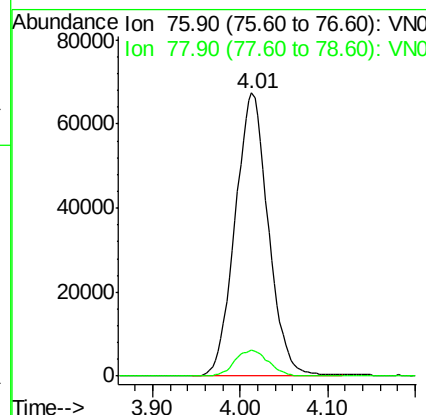
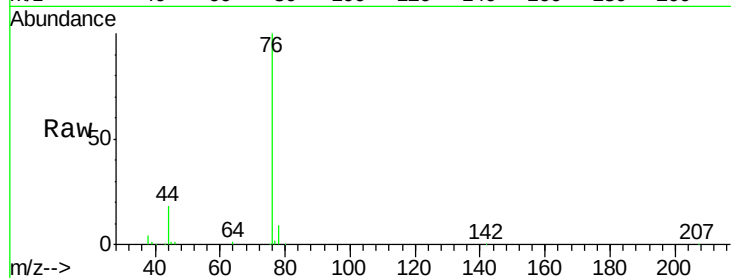
#17
Carbon Disulfide
Concen: 19.013 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

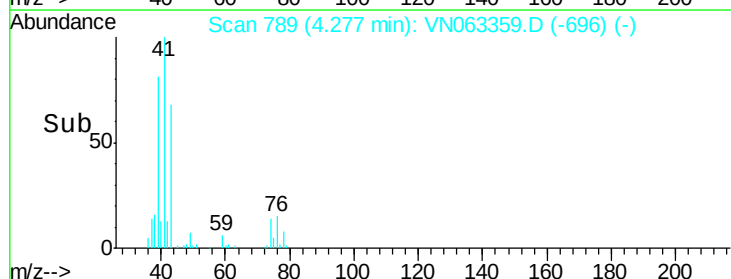
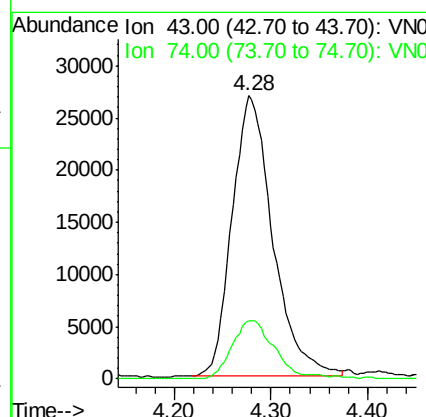
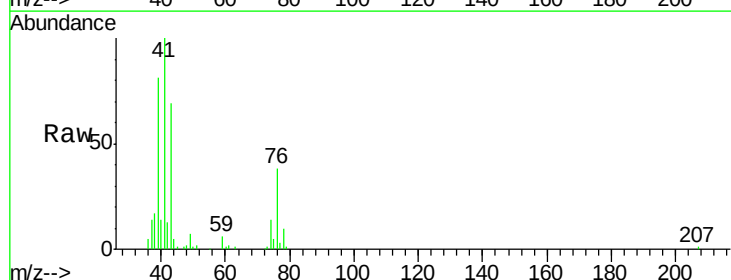
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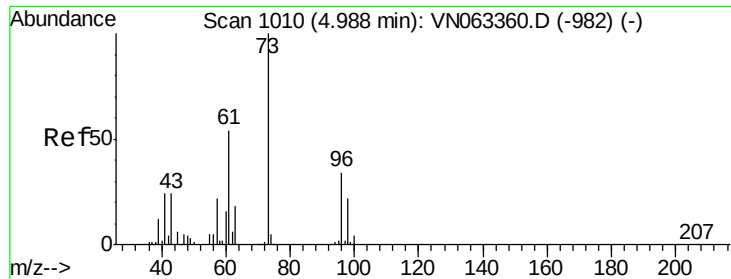
MMDadoda
9/17/2020 1:07:50 PM



#18
Methyl Acetate
Concen: 20.876 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.4	26.2





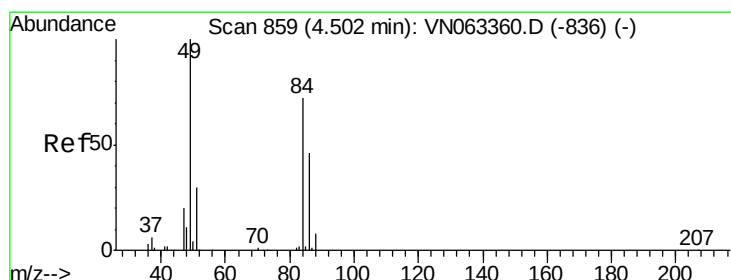
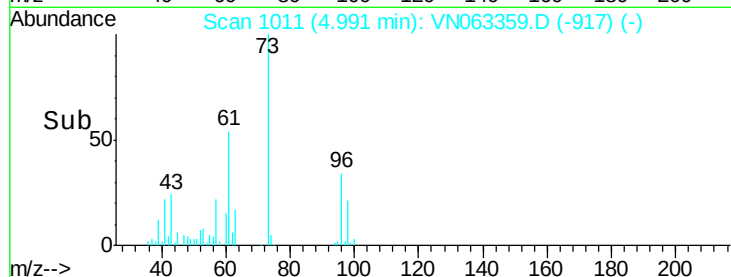
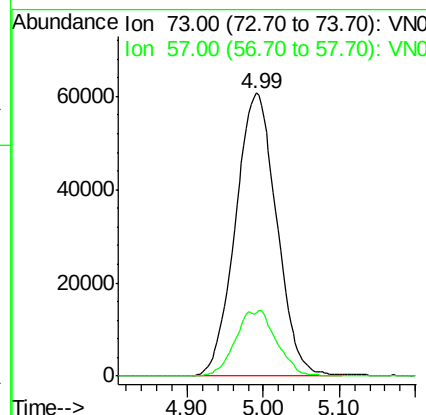
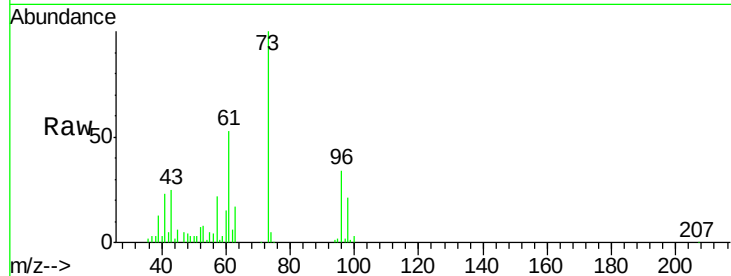
#19
Methvl tert-butvl Ether
Concen: 20.876 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 225792
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

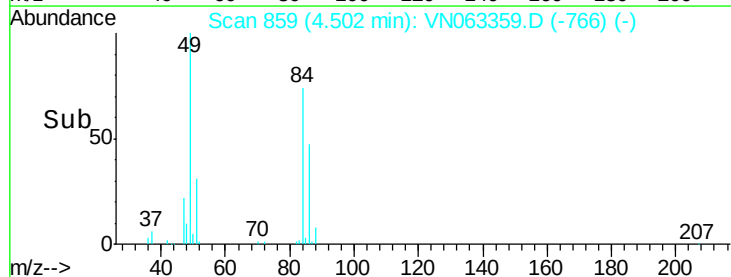
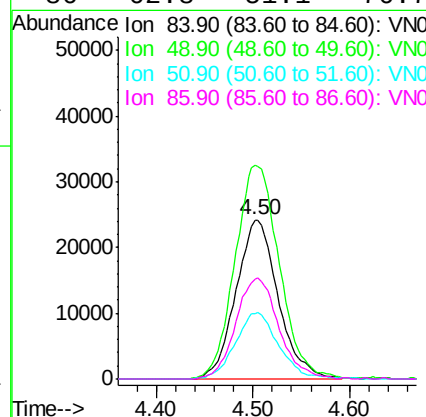
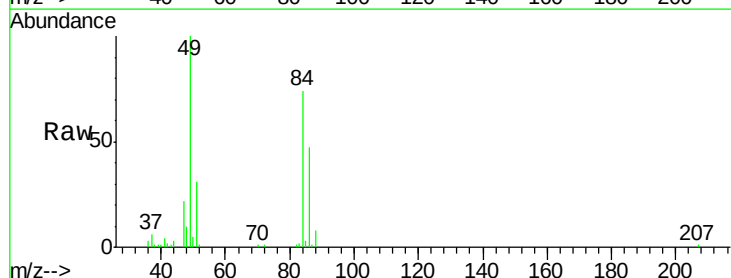
Manual Integrations
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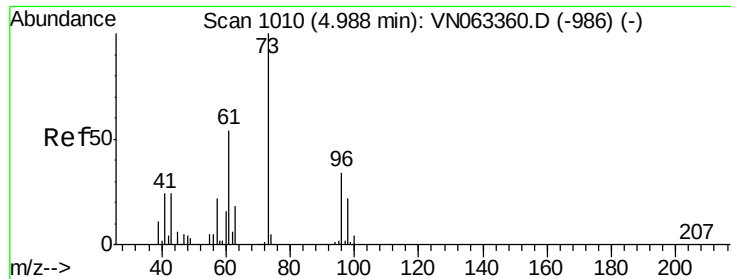
MMDadoda
9/17/2020 1:07:50 PM



#20
Methylene Chloride
Concen: 19.258 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion: 84 Resp: 73323
Ion Ratio Lower Upper
84 100
49 133.5 110.7 166.1
51 41.5 32.9 49.3
86 62.8 51.1 76.7





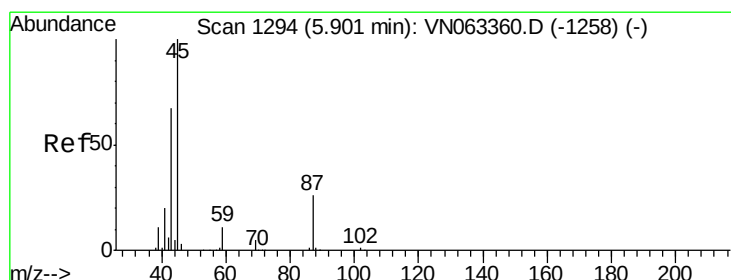
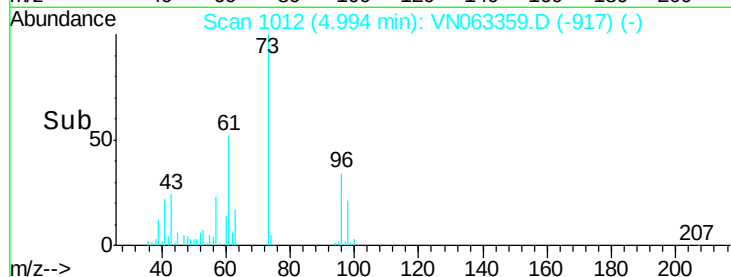
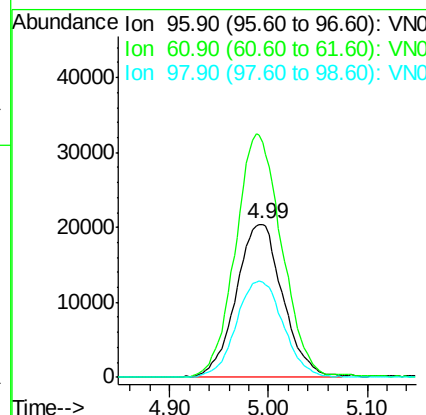
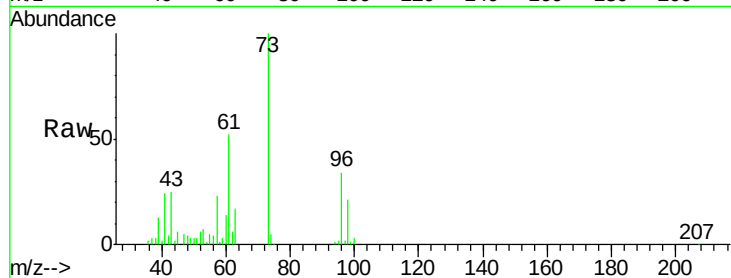
#21
trans-1,2-Dichloroethene
Concen: 19.853 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	126.2	189.4
98	62.1	51.0	76.4

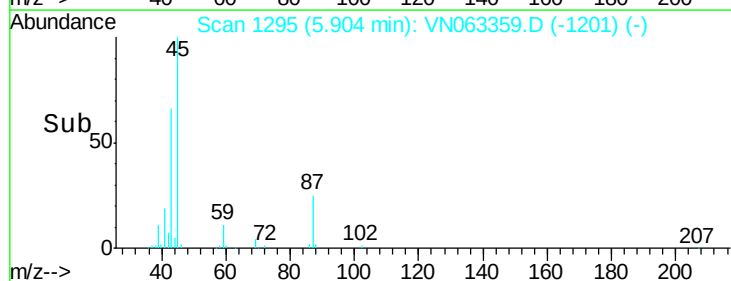
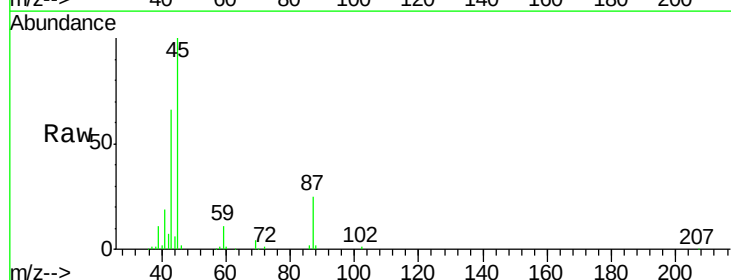
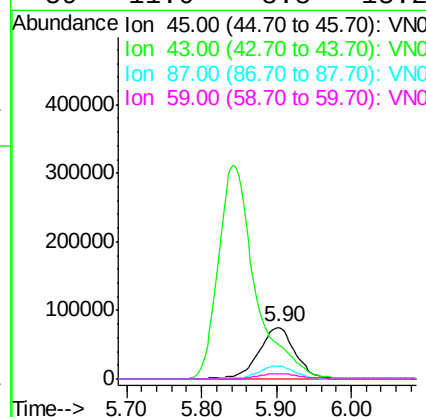
Manual Integrations
APPROVED

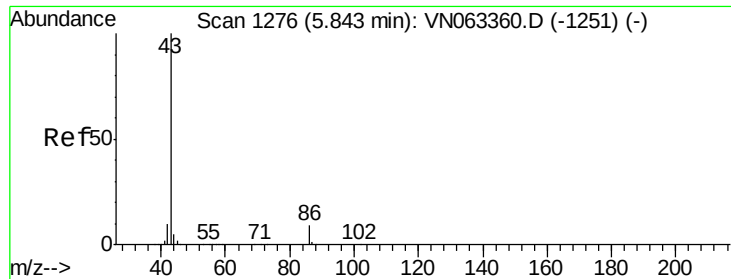
MMDadoda
9/17/2020 1:07:50 PM



#22
Diisopropyl ether
Concen: 20.948 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.5	53.5	80.3
87	24.6	21.2	31.8
59	11.0	8.8	13.2





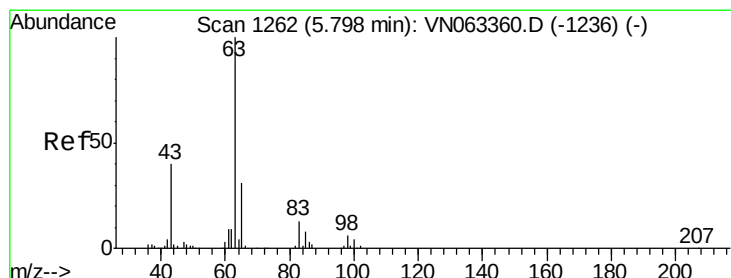
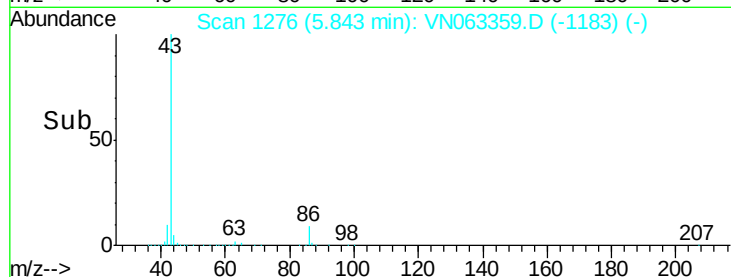
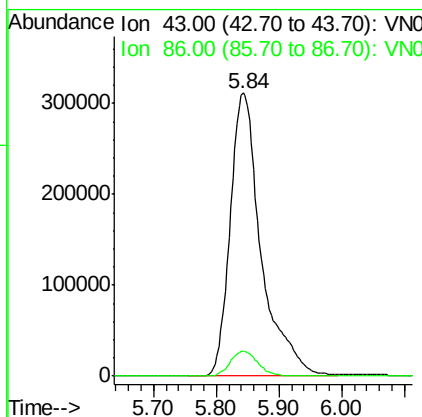
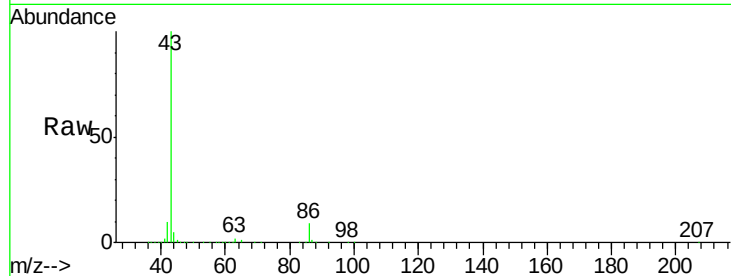
#23
 Vinyl Acetate
 Concen: 111.539 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1068684
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.1 10.7

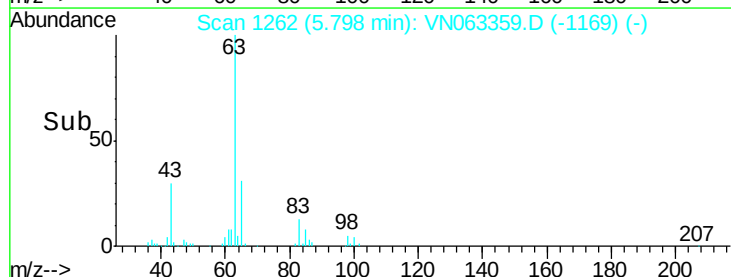
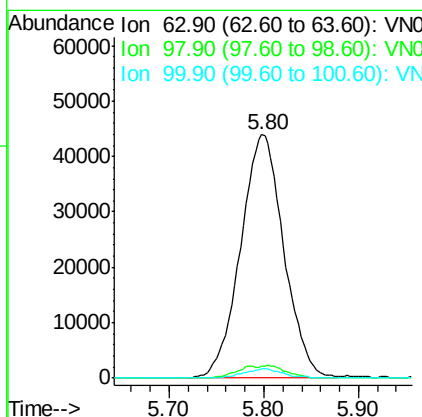
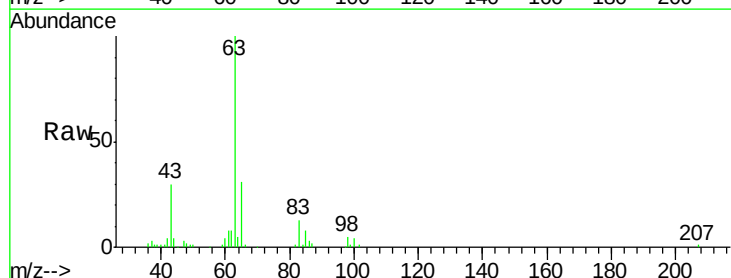
Manual Integrations
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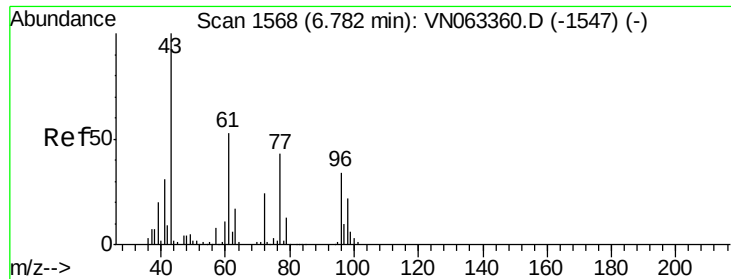
MMDadoda
 9/17/2020 1:07:50 PM



#24
 1,1-Dichloroethane
 Concen: 21.082 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion: 63 Resp: 139390
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.9 8.8
 100 3.7 2.1 6.3





#25

2-Butanone

Concen: 107.092 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 236209

Ion Ratio Lower Upper

43 100

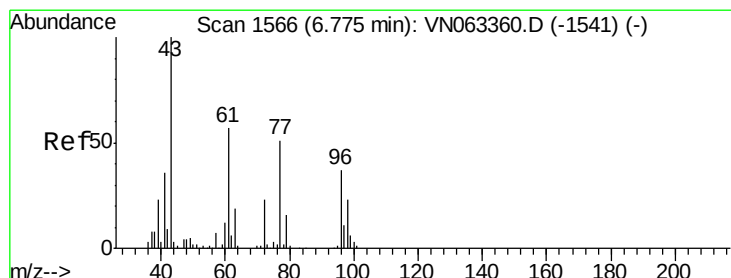
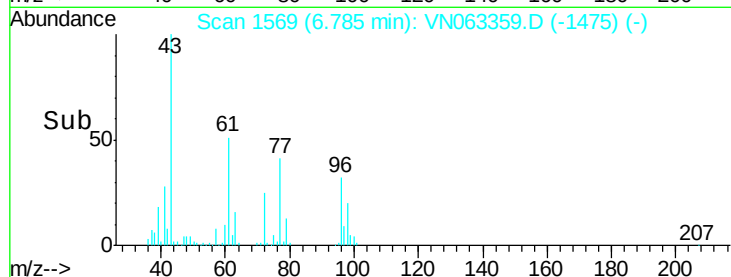
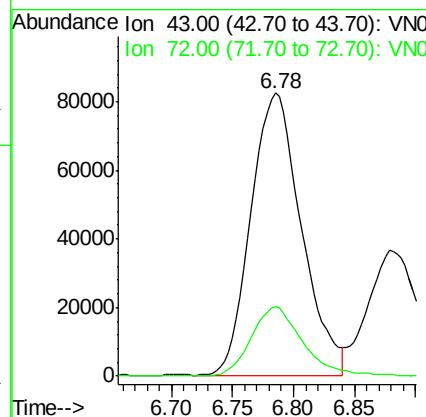
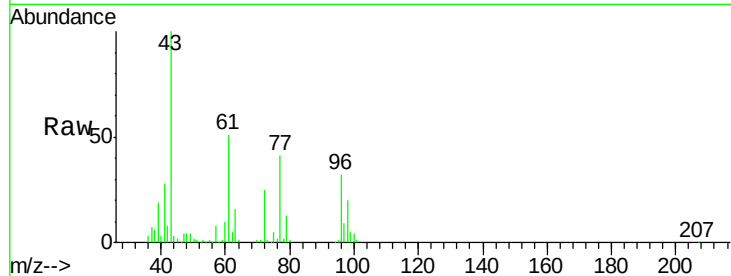
72 24.8 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/17/2020 1:07:50 PM



#26

2,2-Dichloropropane

Concen: 20.588 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063359.D

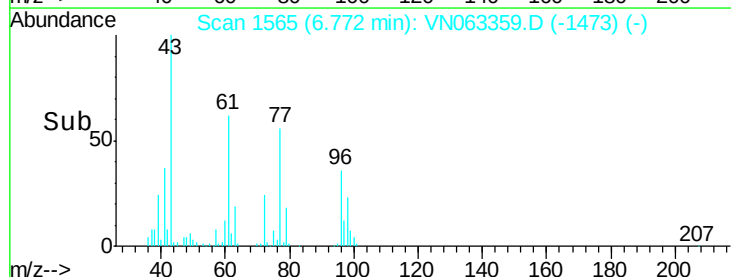
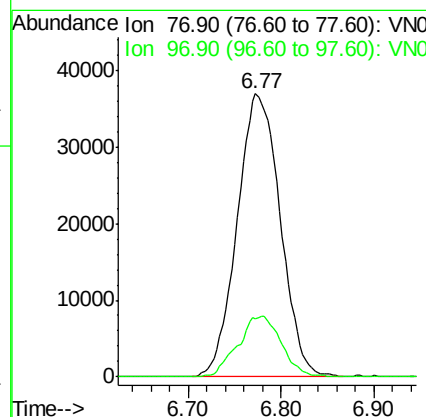
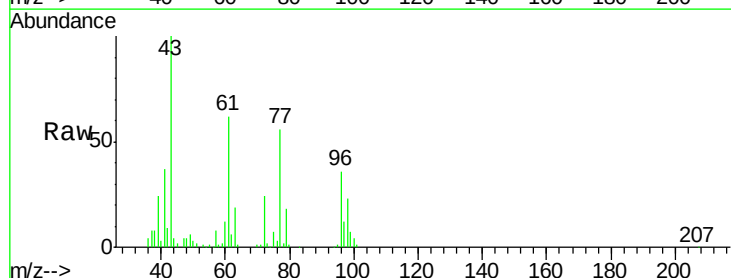
Acq: 16 Sep 2020 11:32

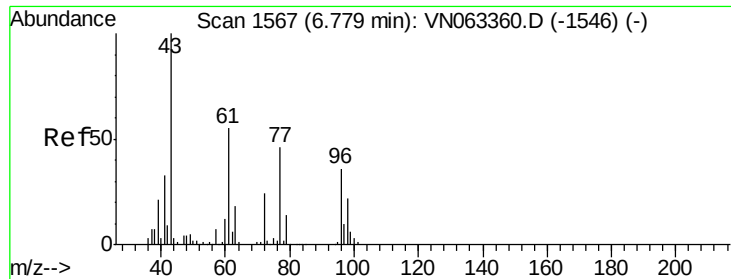
Tgt Ion: 77 Resp: 118992

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.493 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

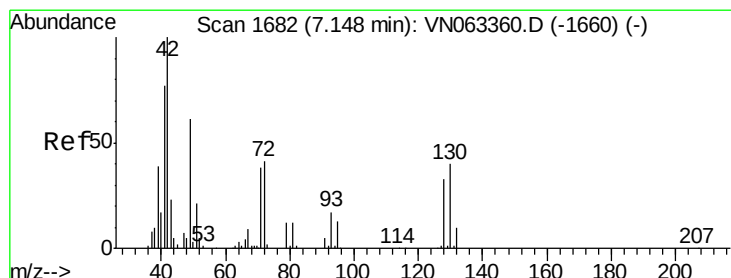
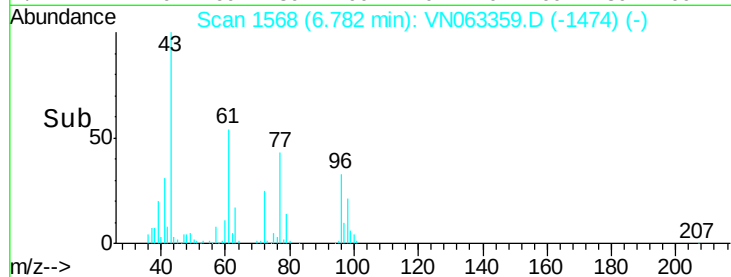
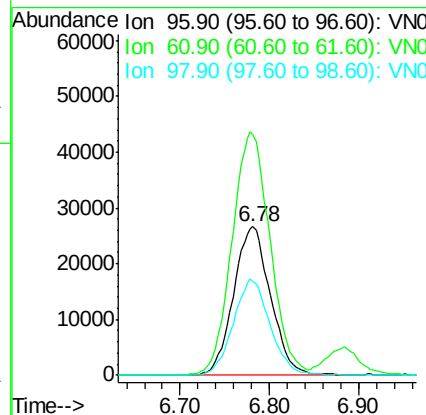
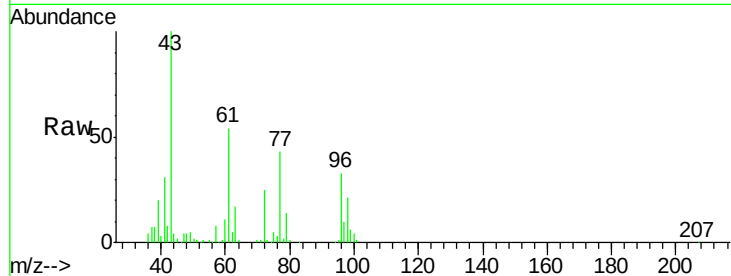
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	76689
Ion	Ratio	Lower	Upper
96	100		
61	167.8	0.0	319.6
98	64.0	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 19.093 ug/l

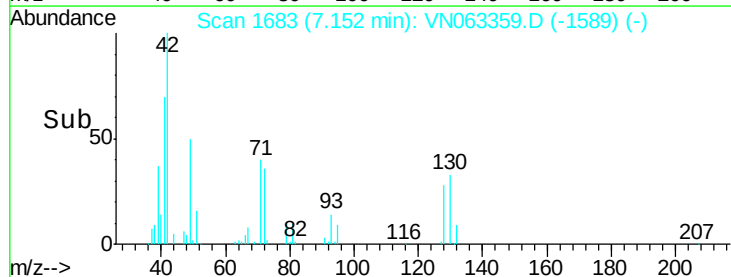
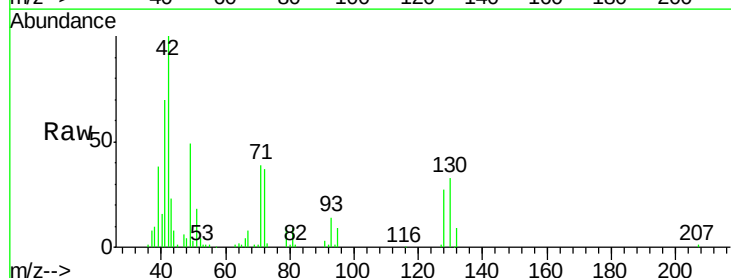
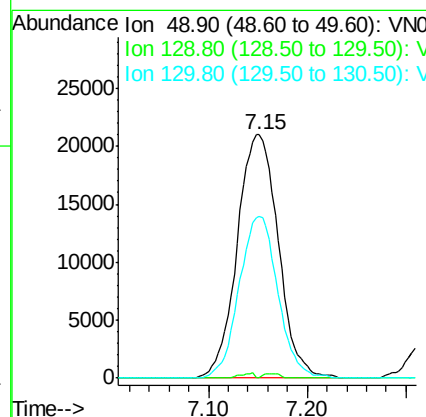
RT: 7.15 min Scan# 1683

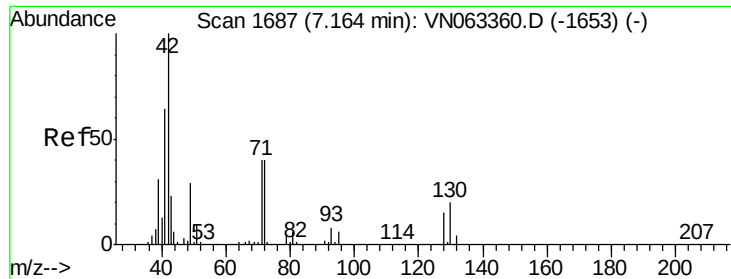
Delta R.T. 0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion:	49	Resp:	60628
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	62.4	52.2	78.2





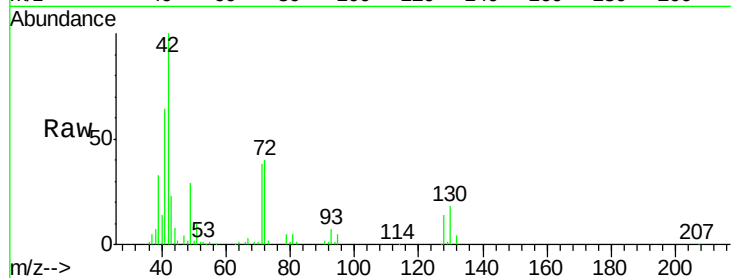
#29
Tetrahydrofuran
Concen: 113.630 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

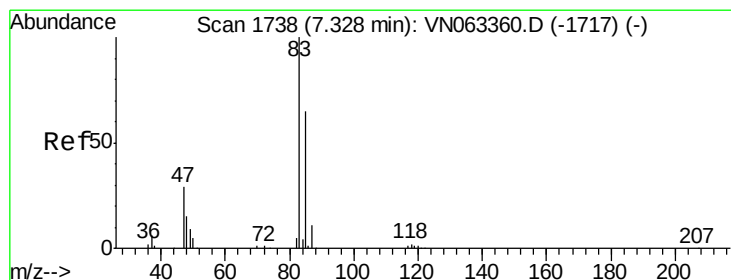
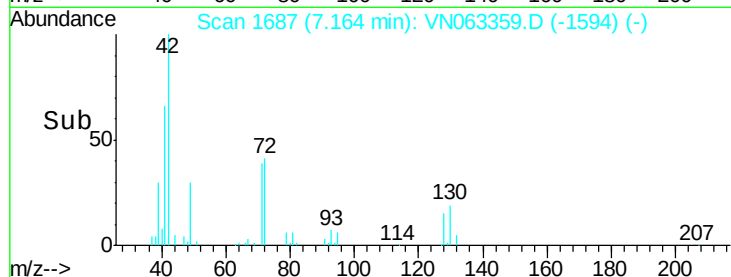
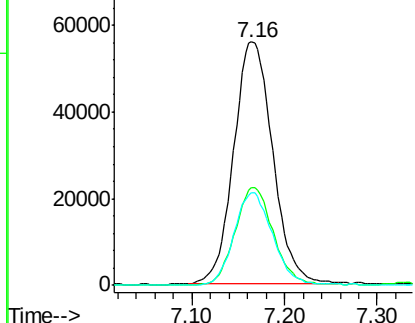
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.1	48.1
71	38.2	31.2	46.8

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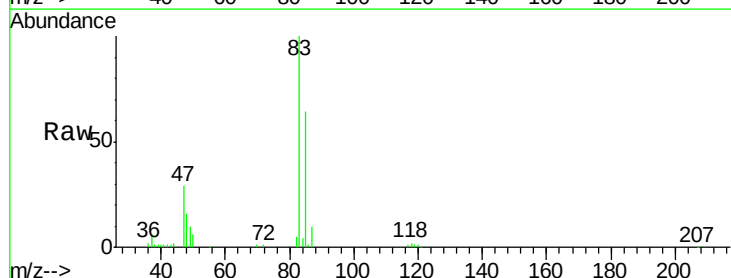


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

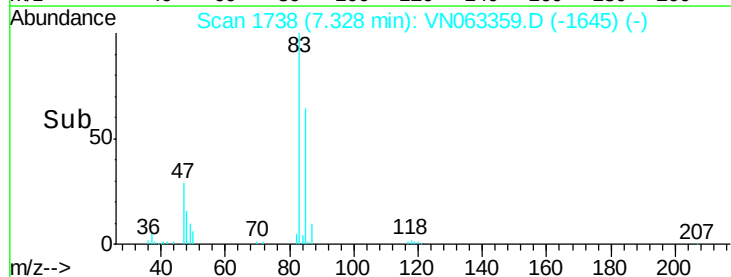
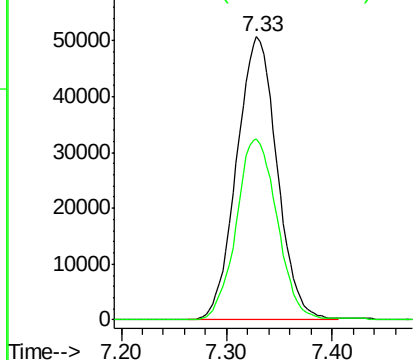


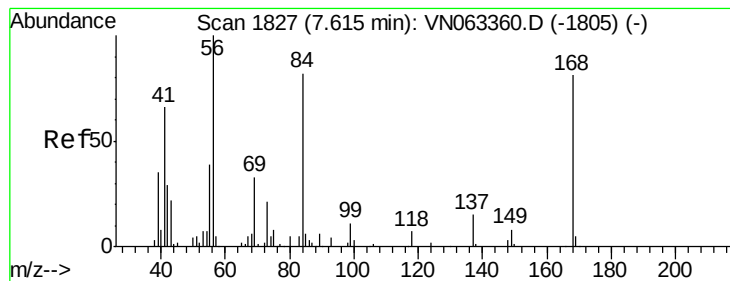
#30
Chloroform
Concen: 20.508 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.614 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

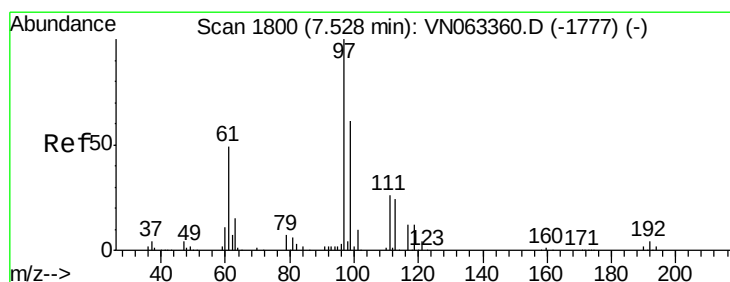
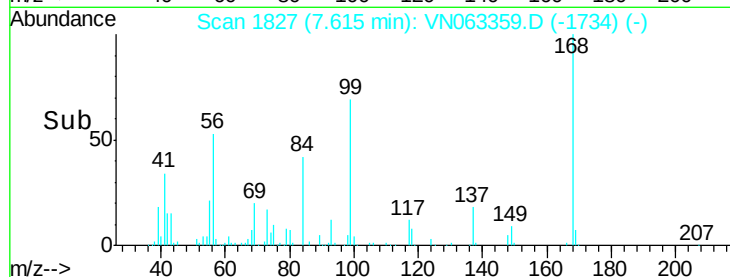
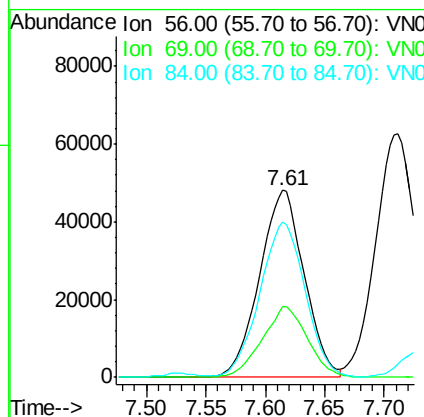
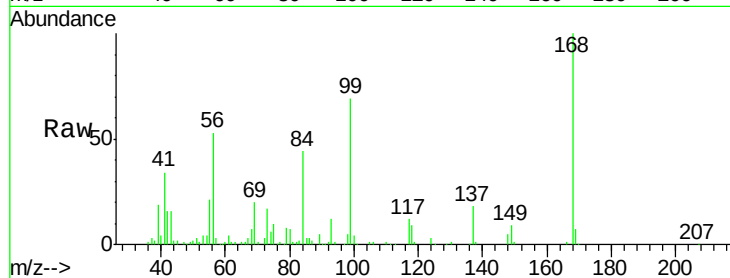
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	125205
Ion Ratio	Lower	Upper	
56	100		
69	37.5	26.1	39.1
84	81.5	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.120 ug/l

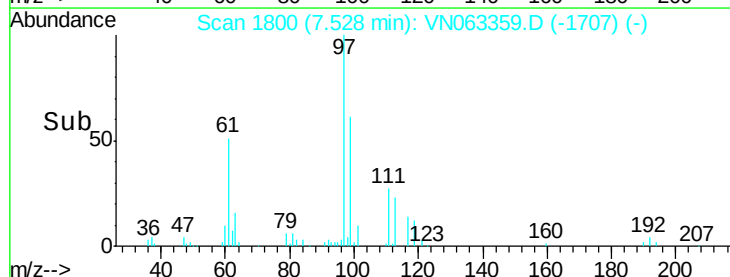
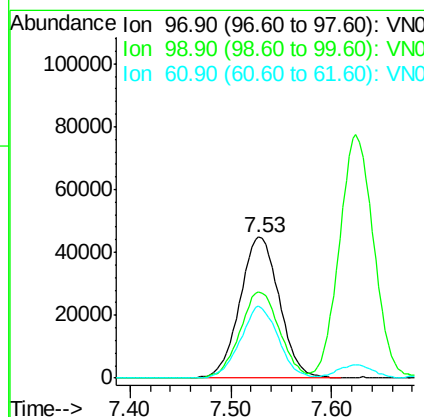
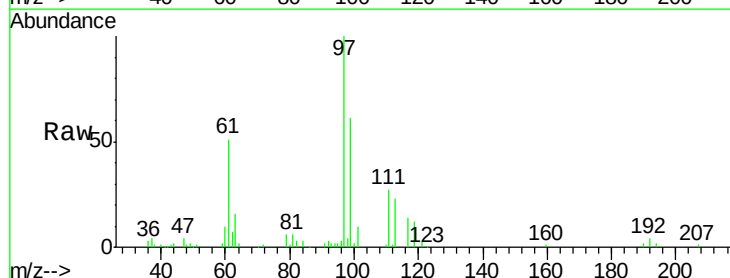
RT: 7.53 min Scan# 1800

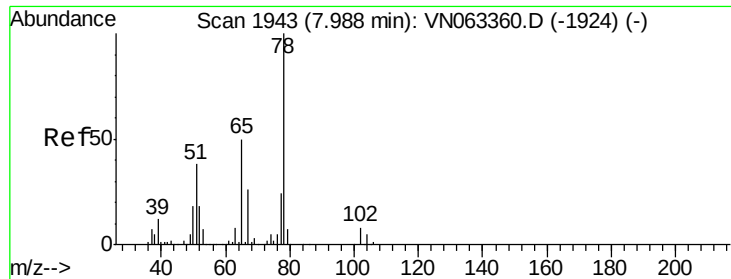
Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion:	97	Resp:	121885
Ion Ratio	Lower	Upper	
97	100		
99	61.3	50.6	76.0
61	48.7	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 20.633 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 65 Resp: 89445

Ion Ratio Lower Upper

65 100

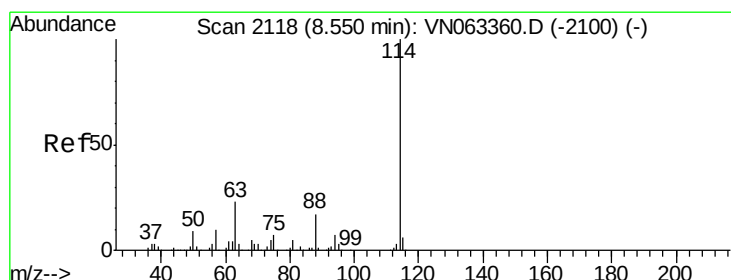
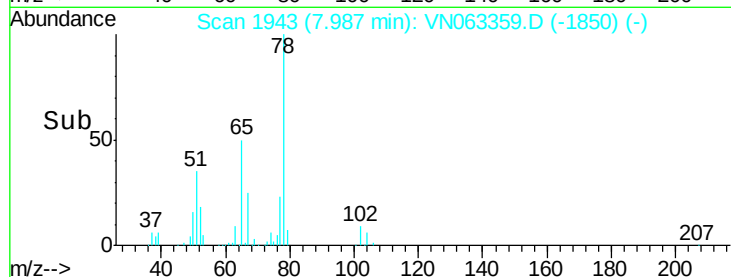
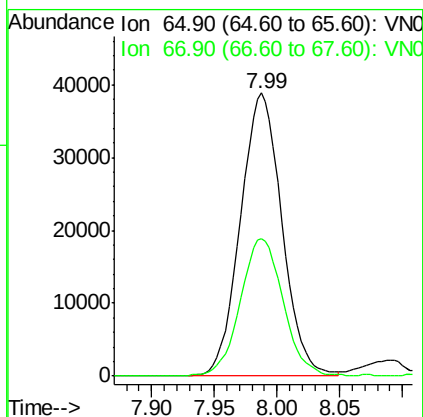
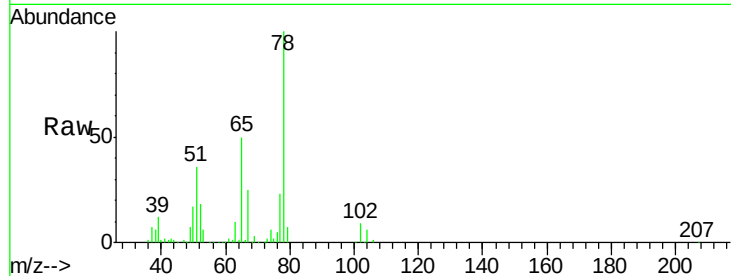
67 50.1 0.0 104.2

Manual Integrations

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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: VN063359.D

Acq: 16 Sep 2020 11:32

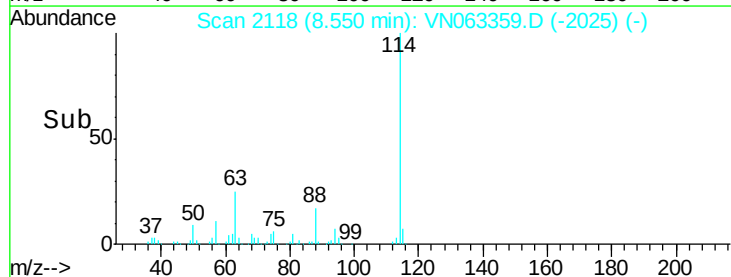
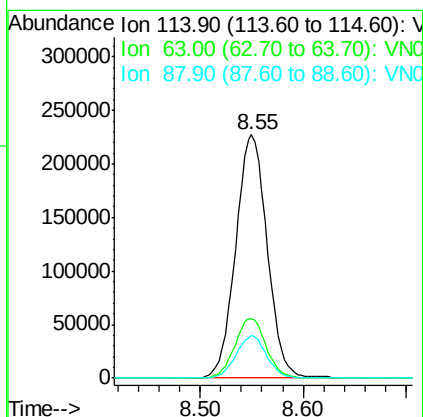
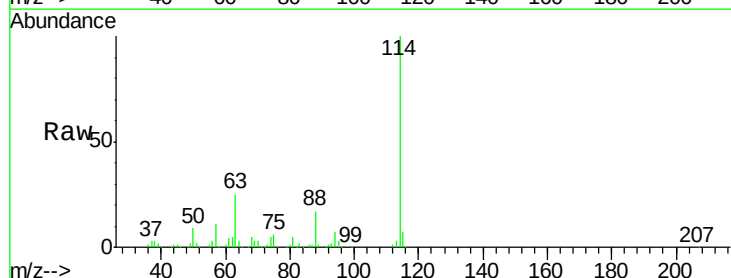
Tgt Ion: 114 Resp: 482567

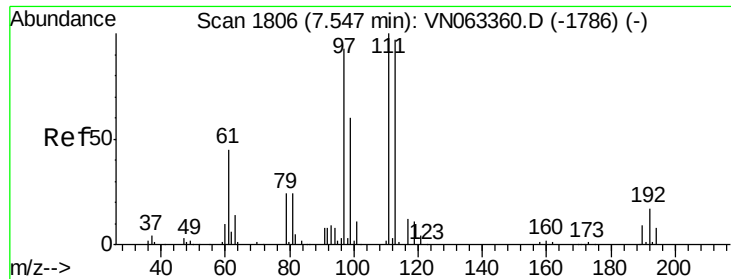
Ion Ratio Lower Upper

114 100

63 24.6 0.0 46.4

88 17.4 0.0 33.2





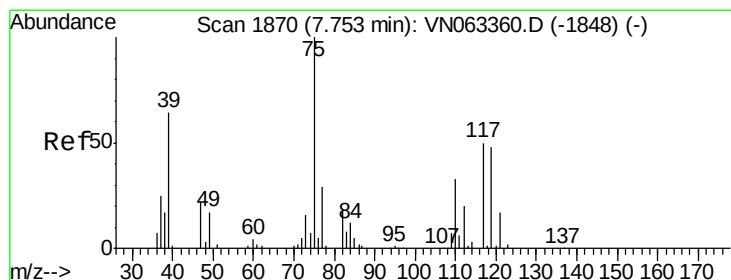
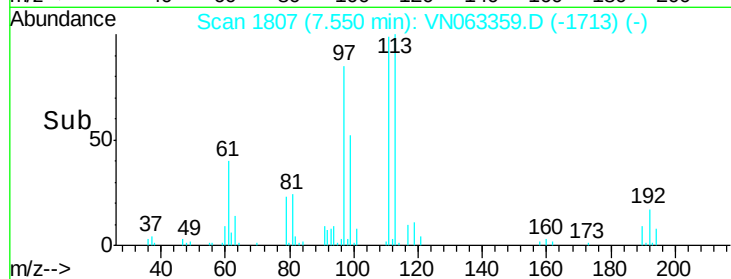
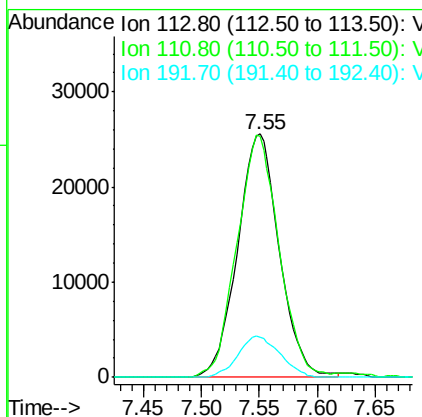
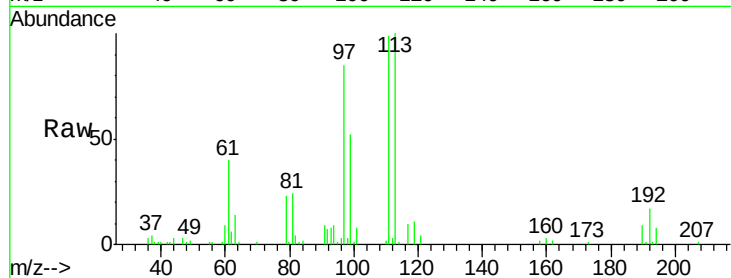
#35
 Dibromofluoromethane
 Concen: 20.364 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	63694		
111	100.5	82.9	124.3	
192	17.1	13.9	20.9	

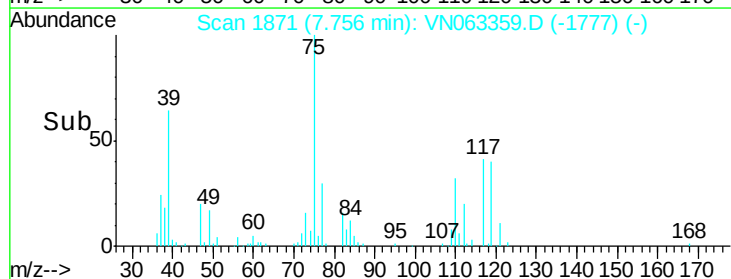
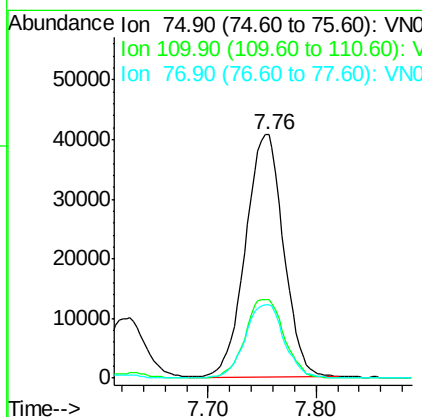
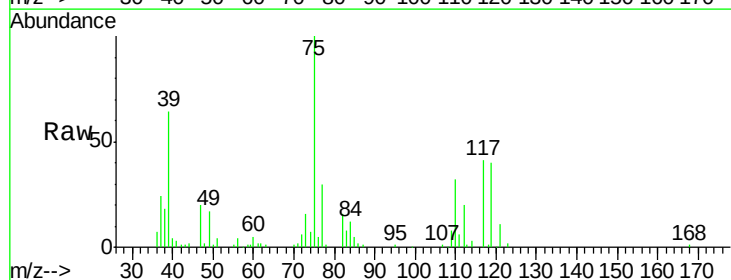
Manual Integrations
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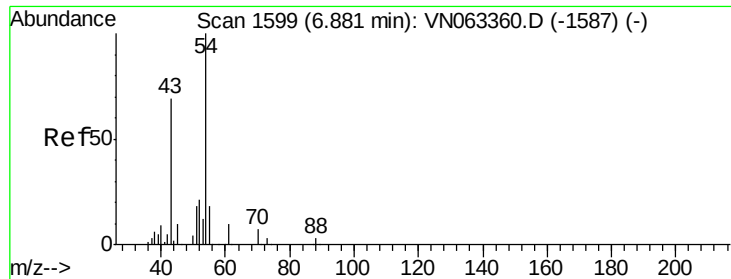
MMDadoda
 9/17/2020 1:07:50 PM



#36
 1,1-Dichloropropene
 Concen: 19.919 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99689		
110	33.4	16.5	49.5	
77	31.0	24.6	36.8	





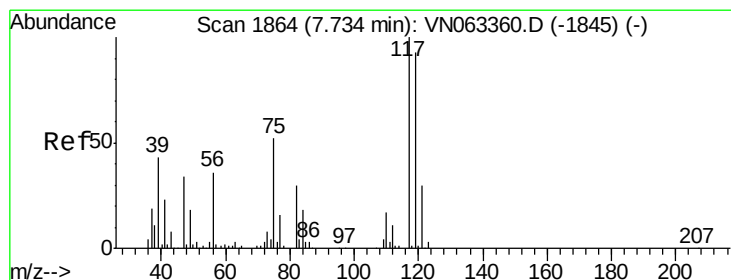
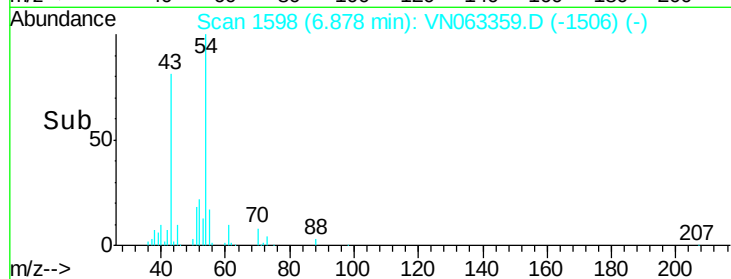
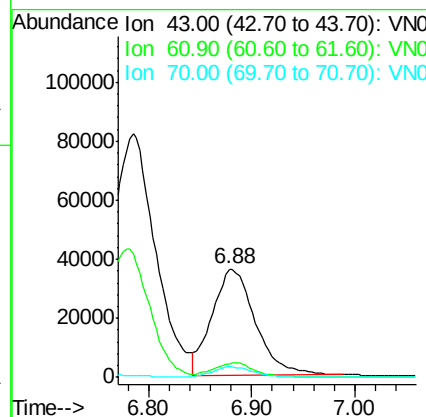
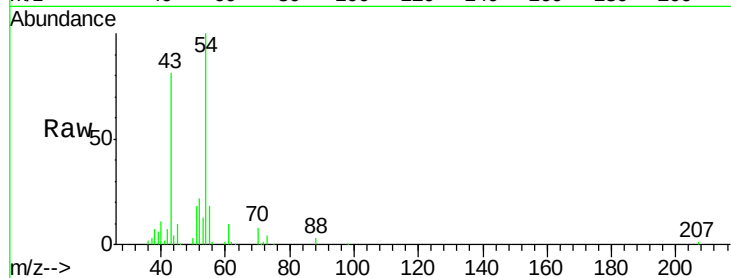
#37
Ethyl Acetate
Concen: 21.448 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.4	7.2	10.8

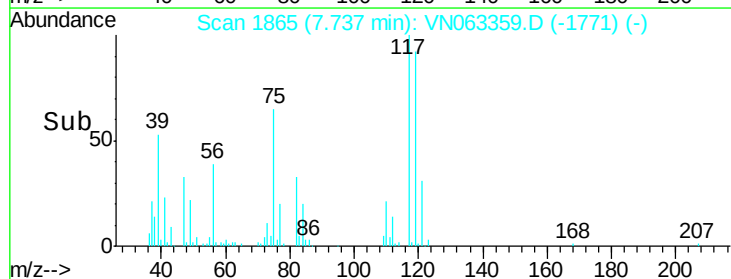
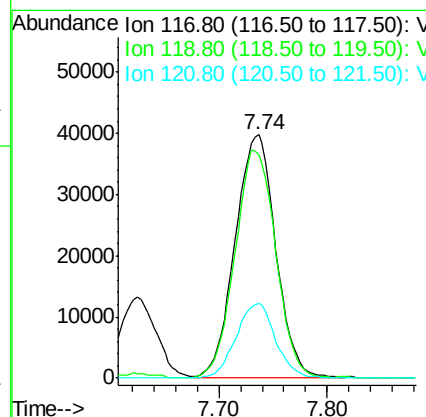
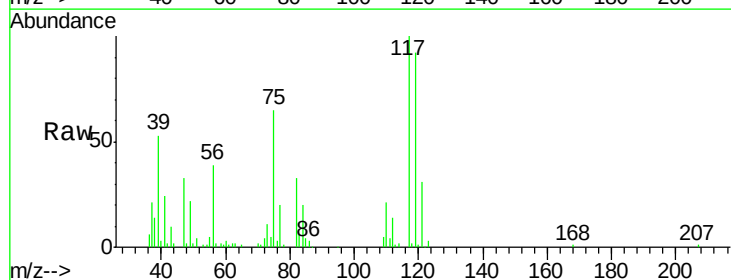
Manual Integrations
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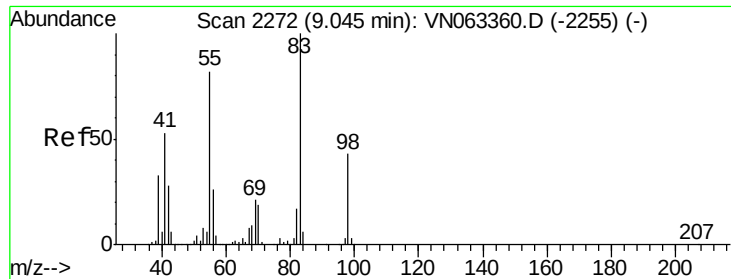
MMDadoda
9/17/2020 1:07:50 PM



#38
Carbon Tetrachloride
Concen: 21.086 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	74.5	111.7
121	30.7	24.1	36.1





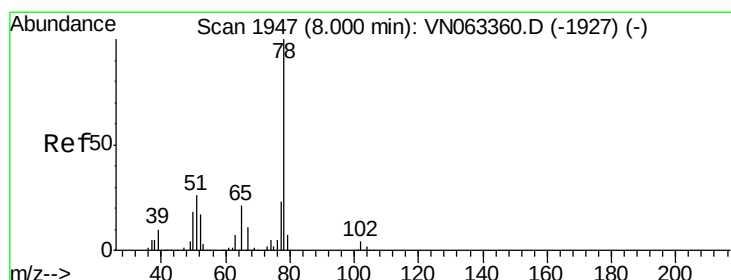
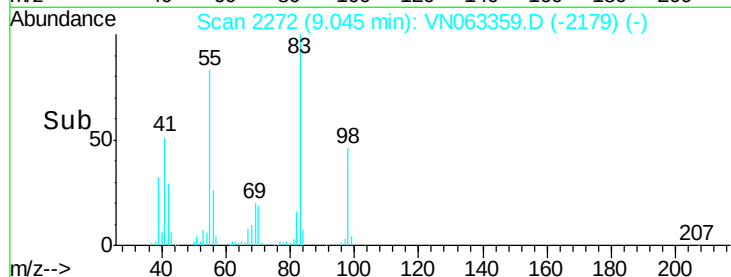
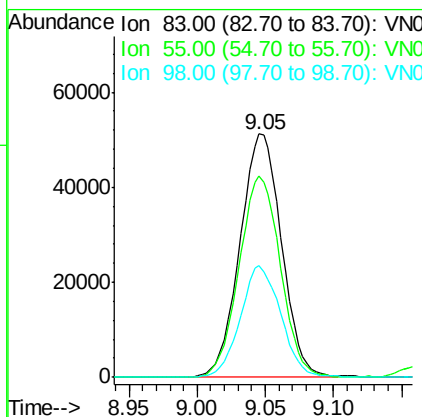
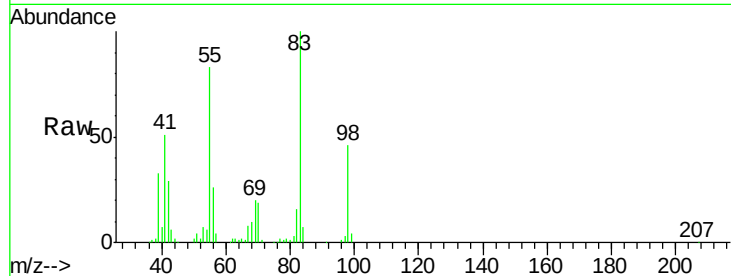
#39
Methylvlcyclohexane
Concen: 19.832 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.5	65.5	98.3	
98	46.0	34.2	51.4	

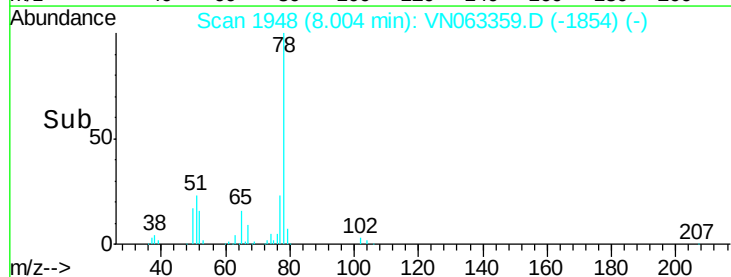
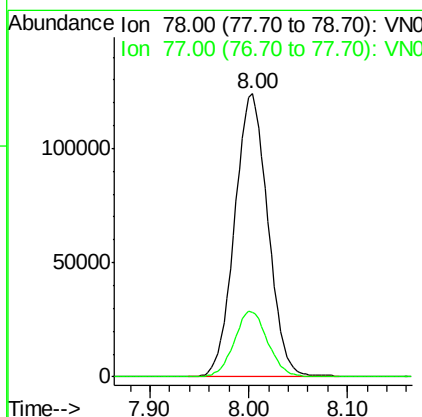
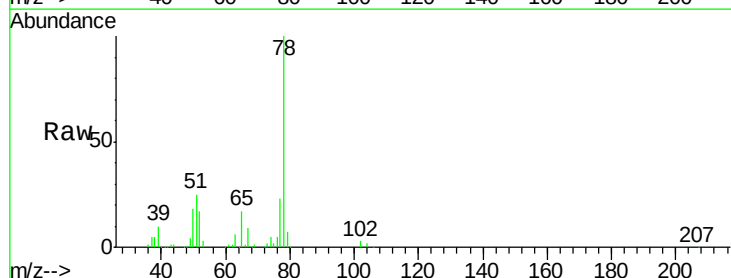
Manual Integrations
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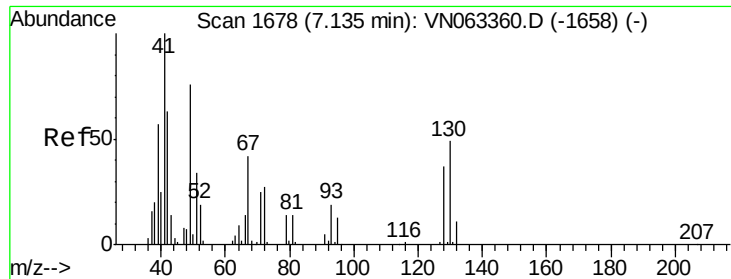
MMDadoda
9/17/2020 1:07:50 PM



#40
Benzene
Concen: 20.347 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.3	27.5	





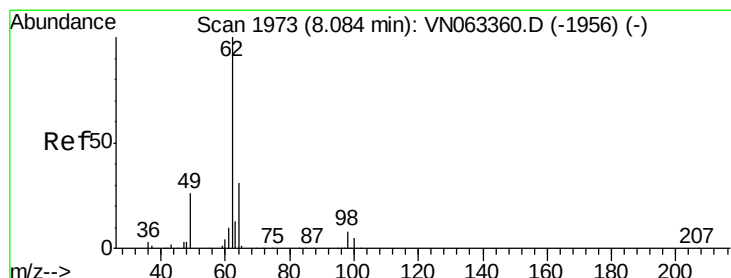
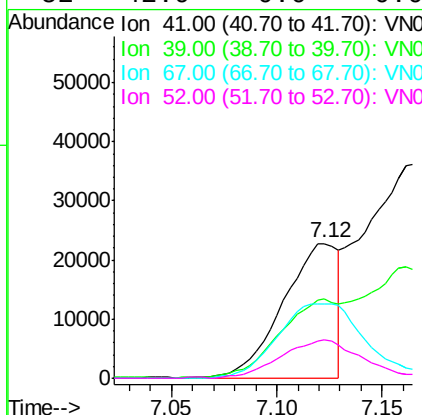
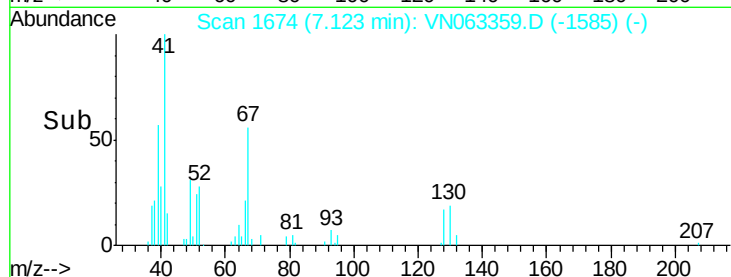
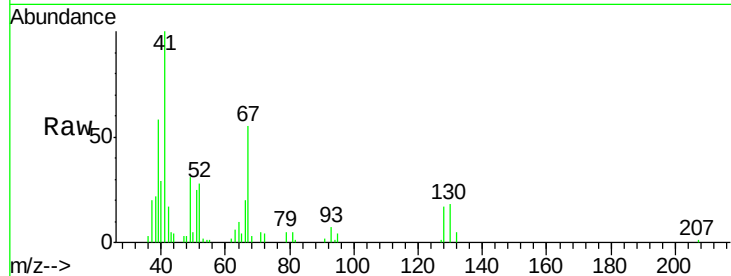
#41
Methacrylonitrile
Concen: 18.447 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	61.9	0.0	0.0	#
67	67	90.0	0.0	0.0	#
52	52	42.9	0.0	0.0	#

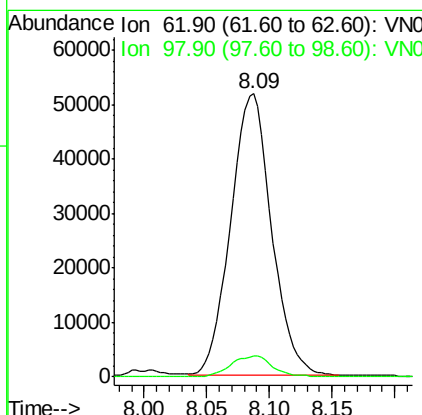
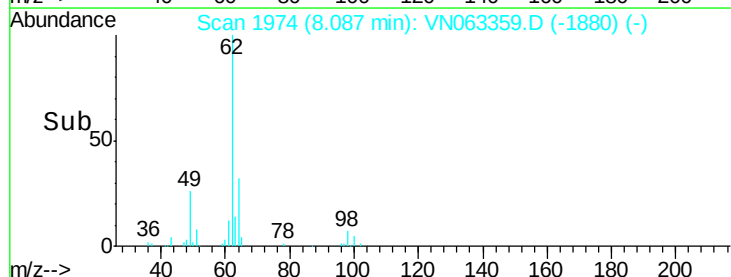
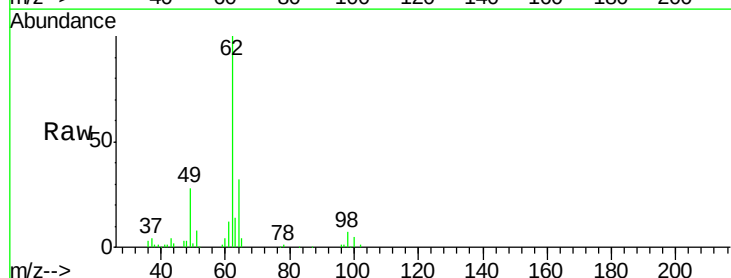
Manual Integrations
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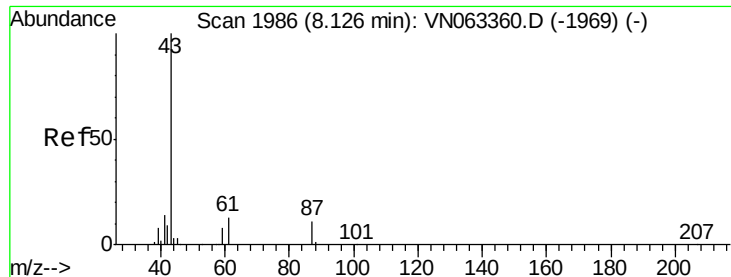
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.407 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	7.6	0.0	15.6	





#43

Isopropyl Acetate

Concen: 21.569 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

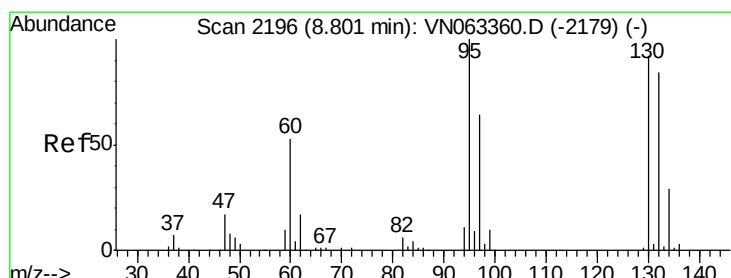
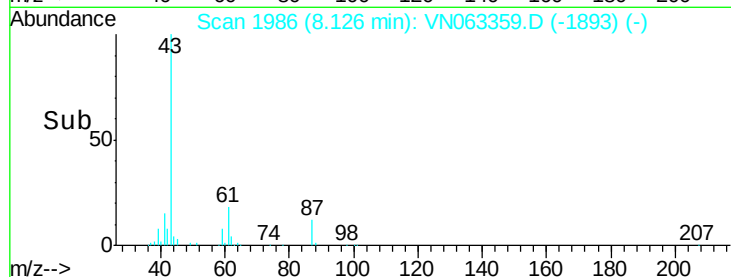
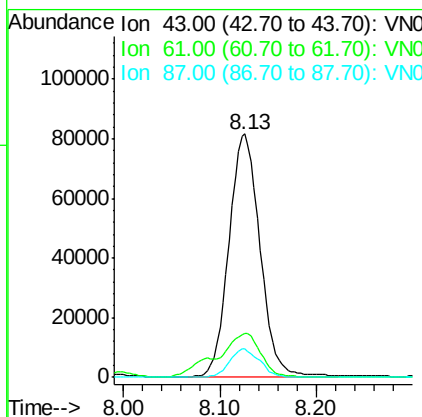
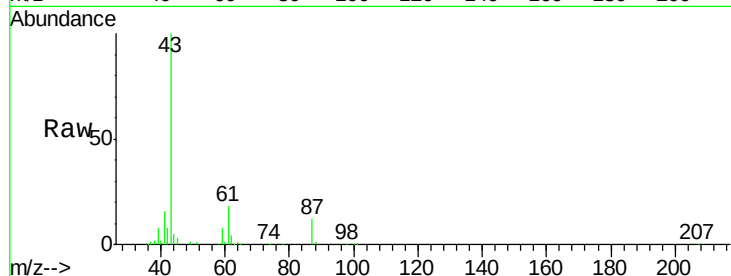
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	180765
Ion	Ratio	Lower	Upper
43	100		
61	19.5	14.2	21.2
87	11.5	9.0	13.6

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#44

Trichloroethene

Concen: 19.105 ug/l

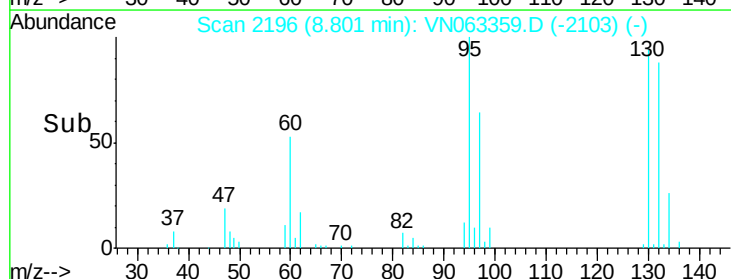
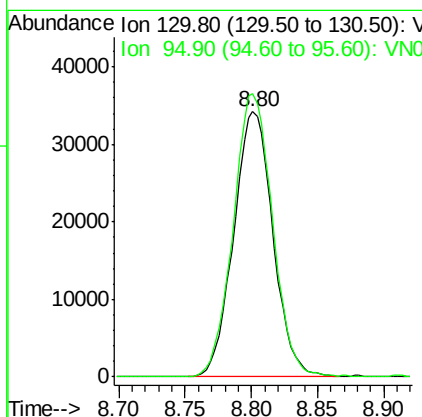
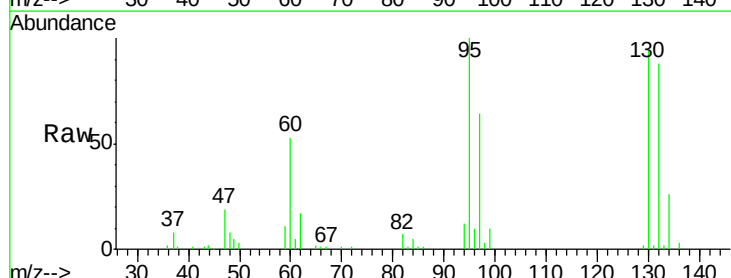
RT: 8.80 min Scan# 2196

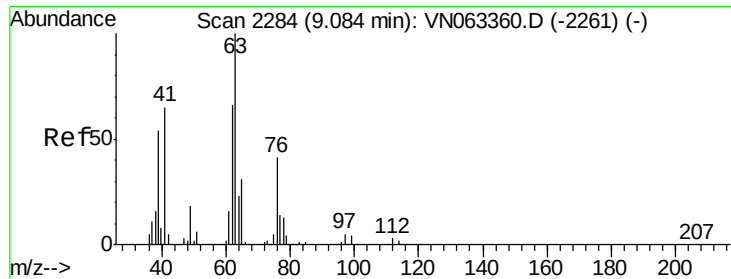
Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion:	130	Resp:	70233
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	217.4





#45

1,2-Dichloropropane

Concen: 20.555 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 80537

Ion Ratio Lower Upper

63 100

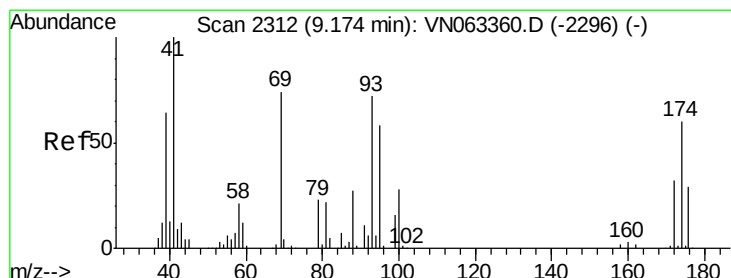
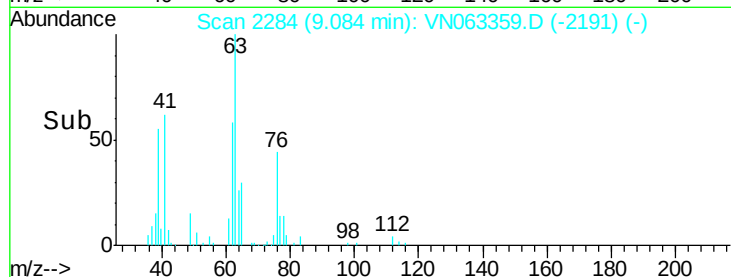
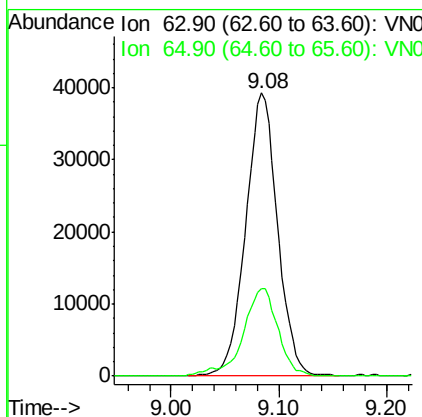
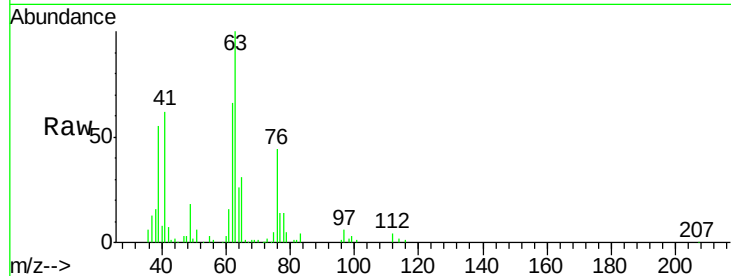
65 31.0 25.0 37.6

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#46

Dibromomethane

Concen: 20.125 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

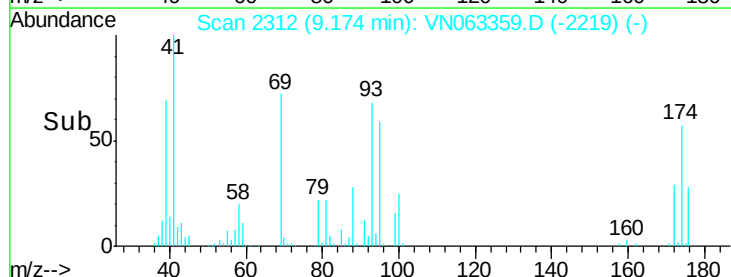
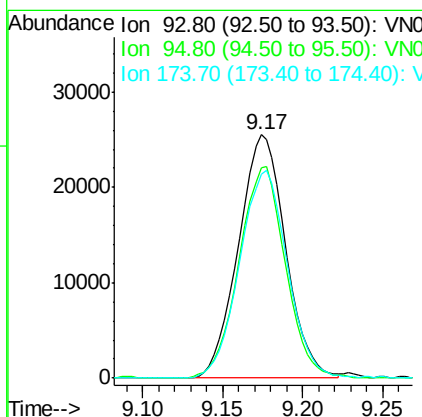
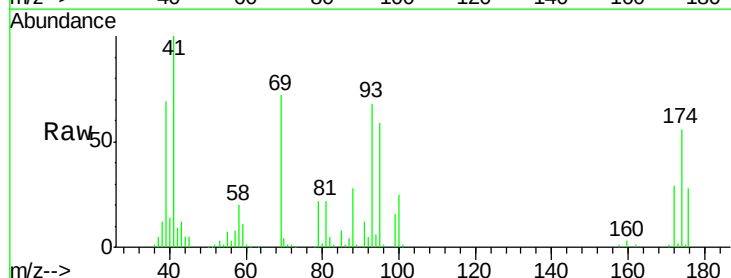
Tgt Ion: 93 Resp: 51397

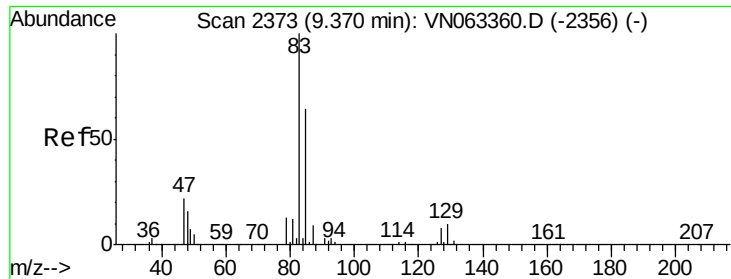
Ion Ratio Lower Upper

93 100

95 85.7 65.6 98.4

174 86.6 68.1 102.1





#47

Bromodichloromethane

Concen: 20.606 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

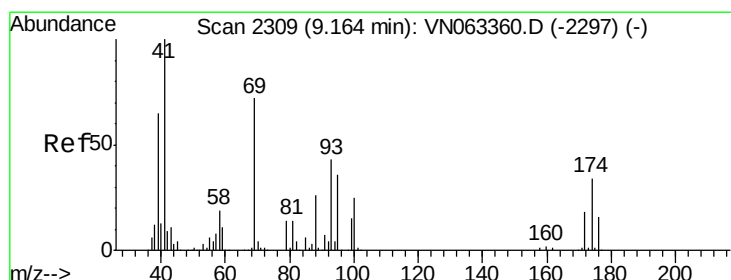
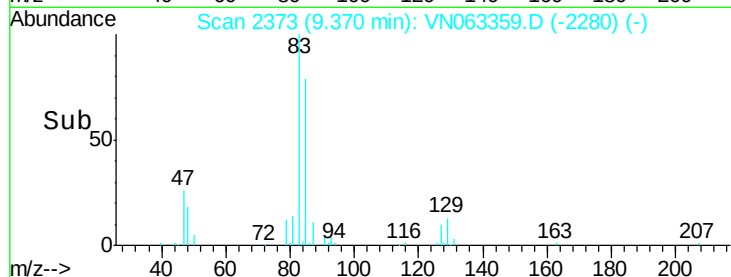
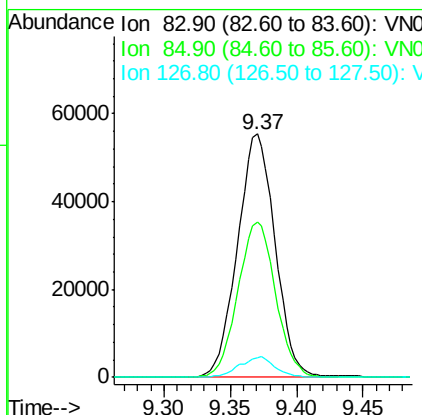
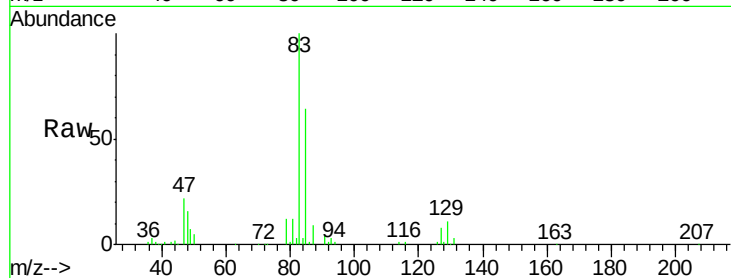
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	109283
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.0	76.6
127	8.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.979 ug/l

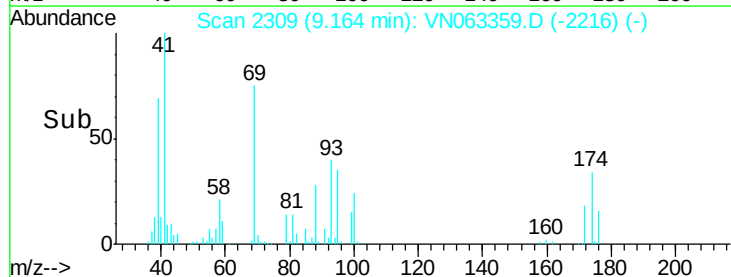
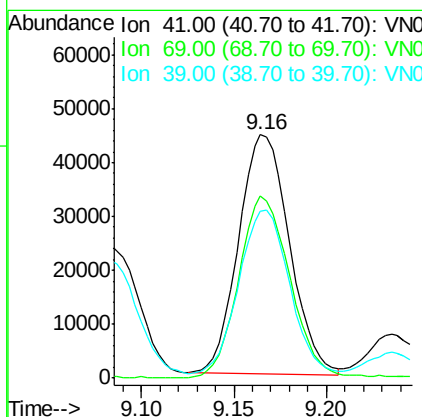
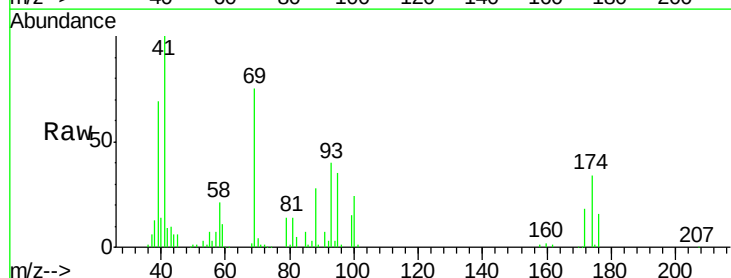
RT: 9.16 min Scan# 2309

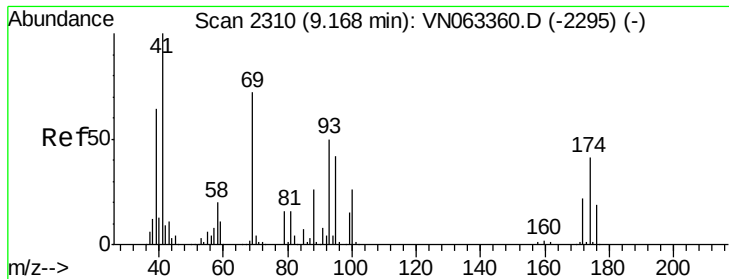
Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion:	41	Resp:	84484
Ion Ratio	Lower	Upper	
41	100		
69	77.6	59.3	88.9
39	71.7	52.9	79.3





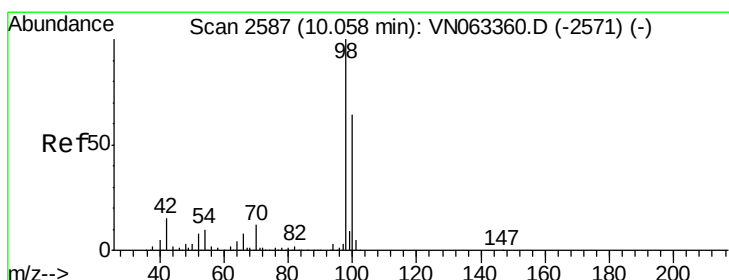
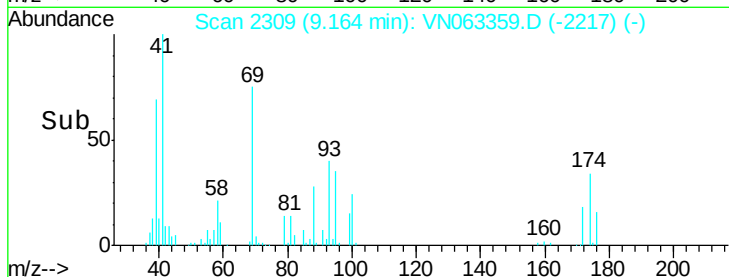
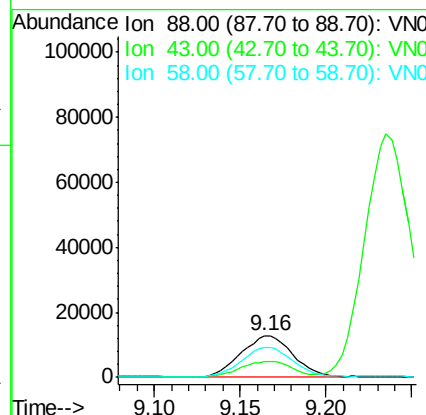
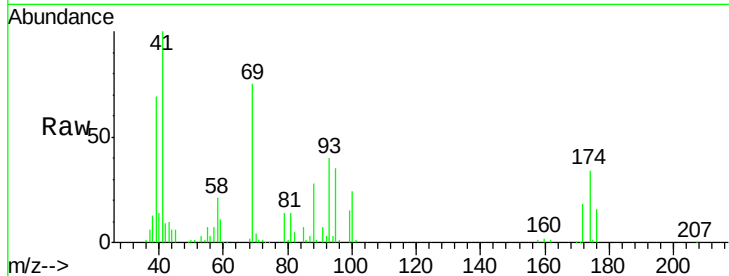
#49
1,4-Dioxane
Concen: 436.320 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	32.6	49.0
58	71.9	60.0	90.0

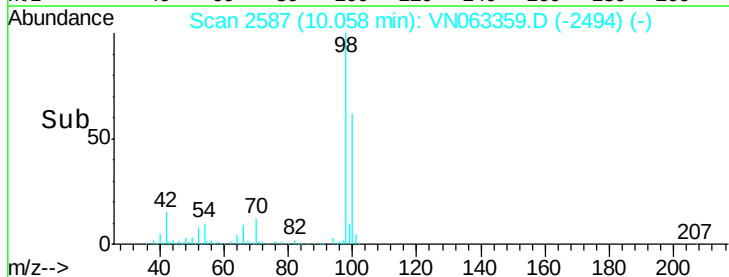
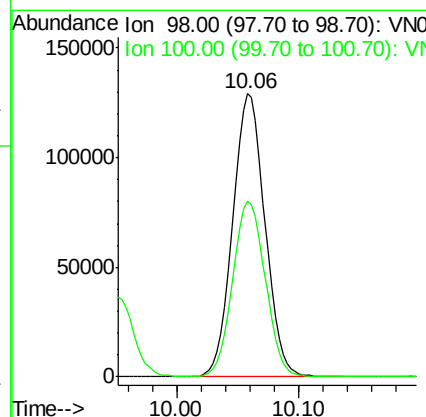
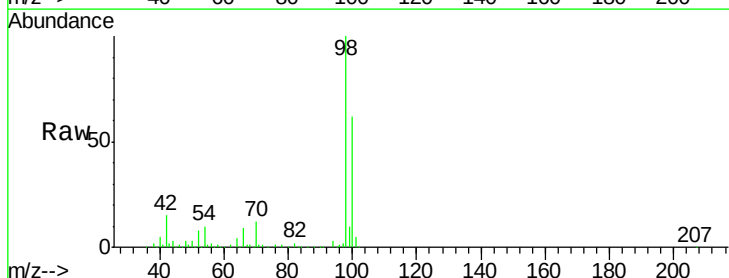
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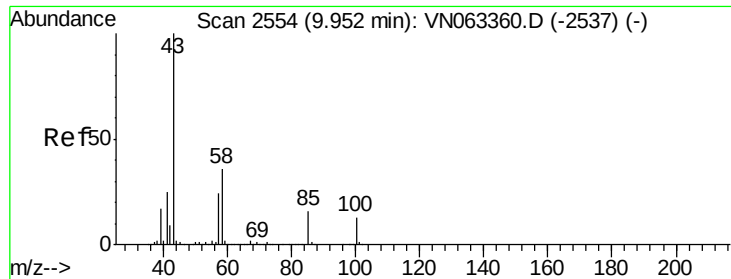
MMDadoda
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#50
Toluene-d8
Concen: 19.857 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.7	76.1





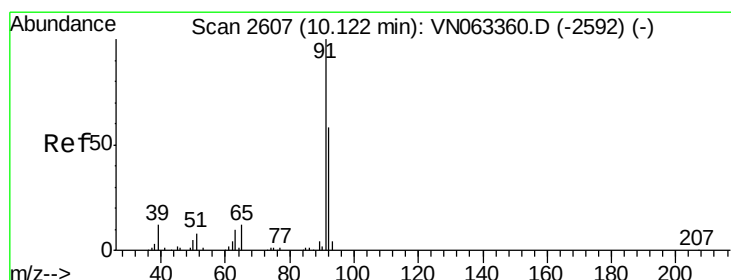
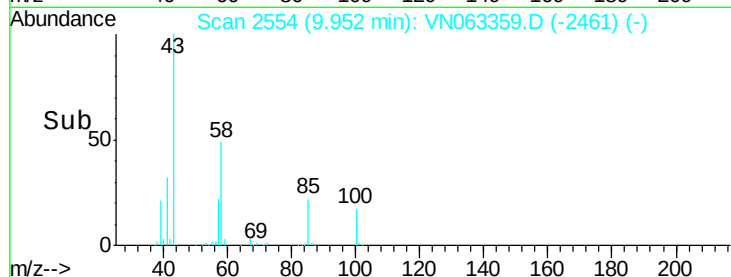
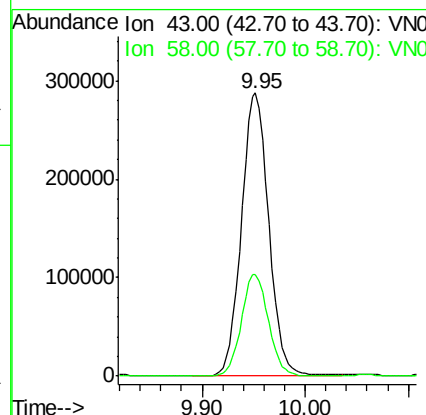
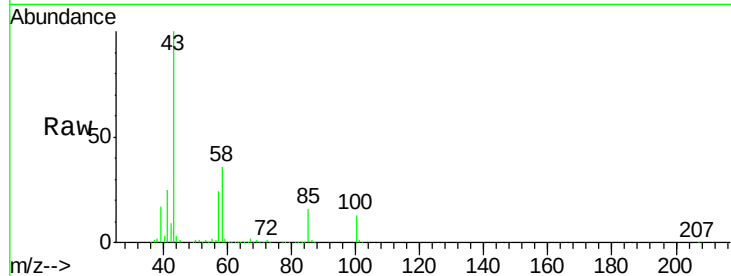
#51
4-Methyl-2-Pentanone
Concen: 114.746 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.0	43.6

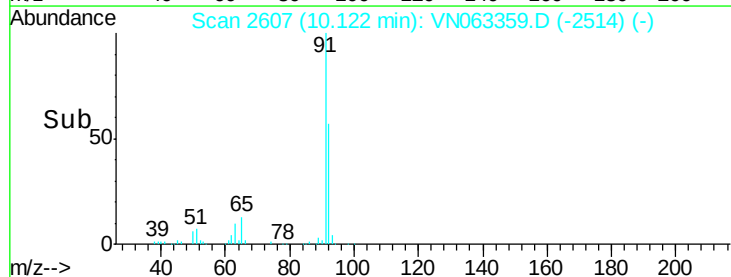
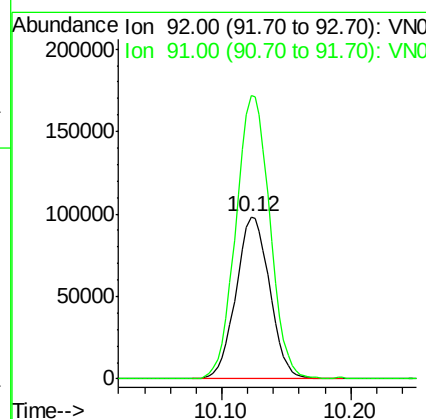
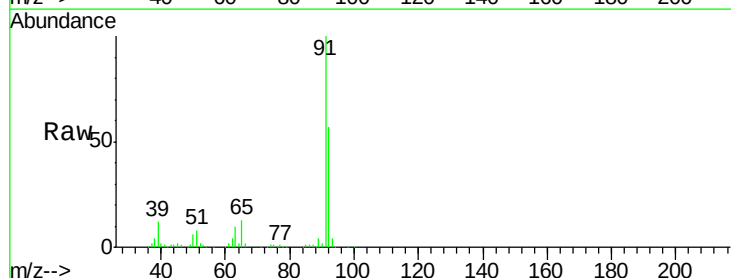
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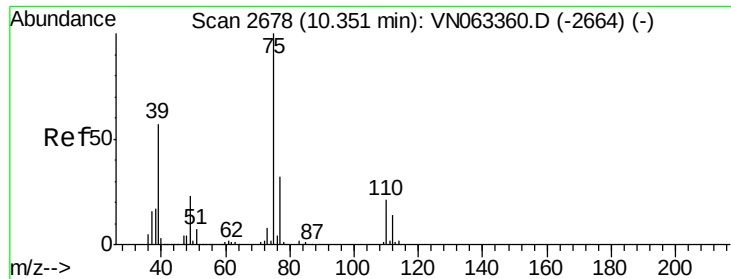
MMDadoda
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#52
Toluene
Concen: 20.426 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.5	139.7	209.5





#53

t-1,3-Dichloropropene

Concen: 20.801 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 120474

Ion Ratio Lower Upper

75 100

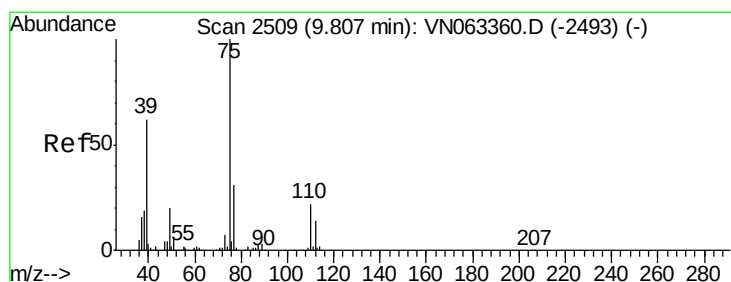
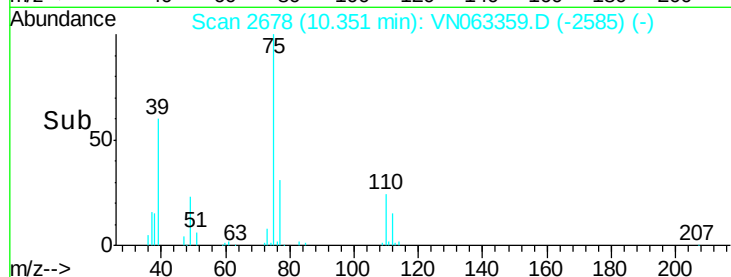
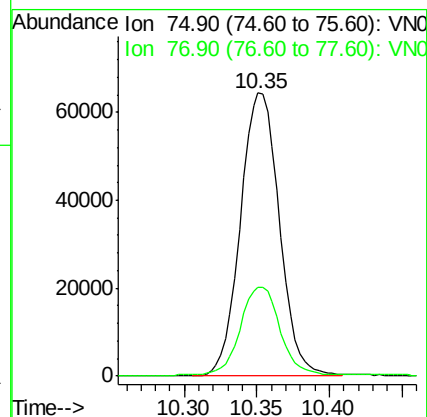
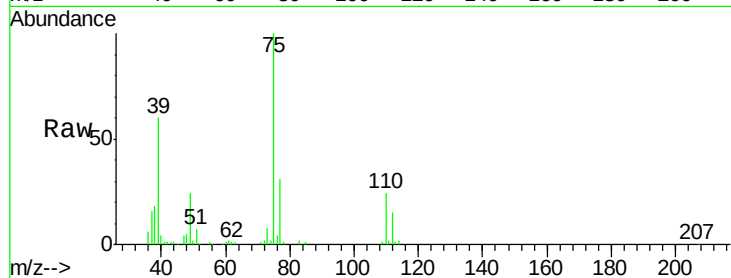
77 30.8 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.394 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

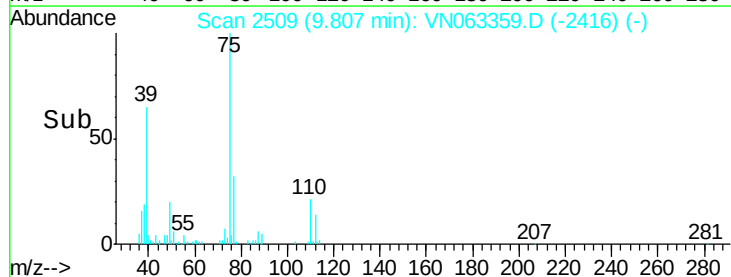
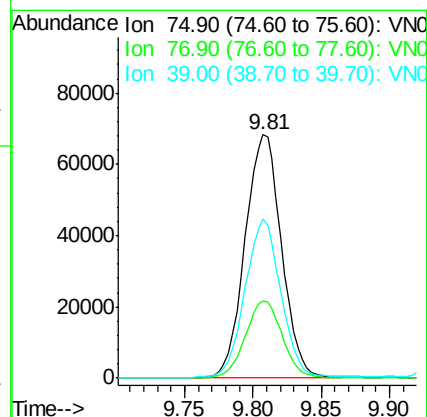
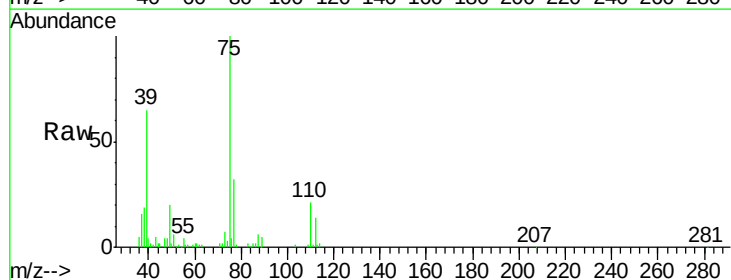
Tgt Ion: 75 Resp: 127039

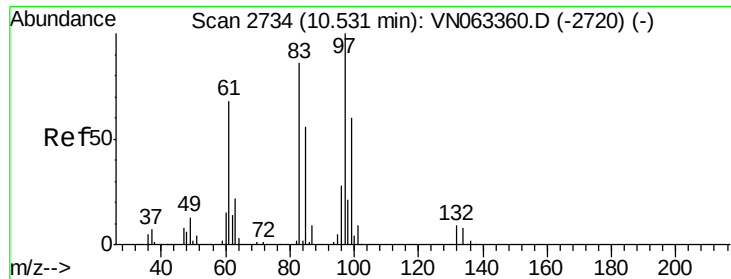
Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

39 64.8 49.8 74.8





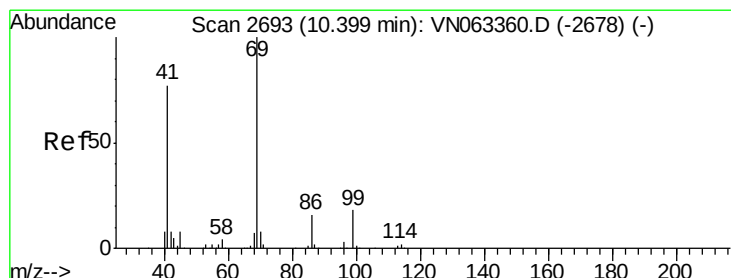
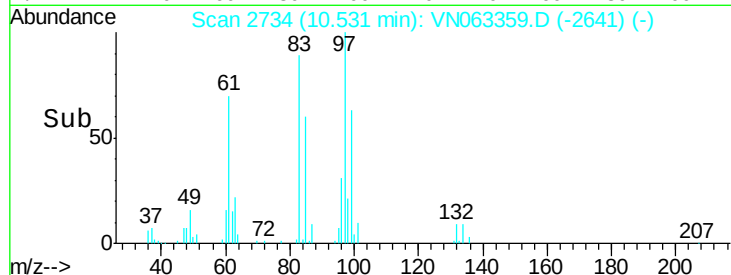
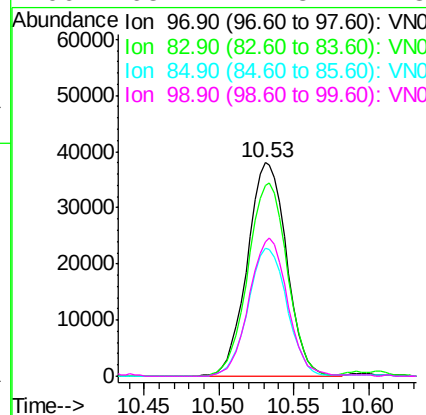
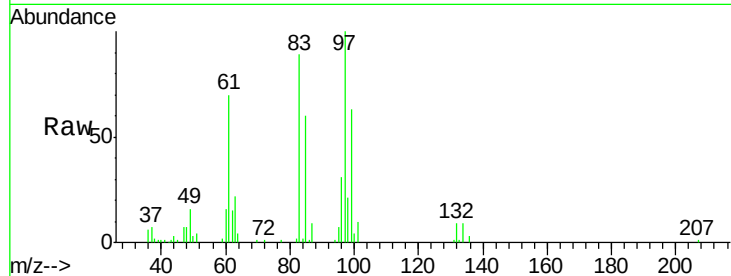
#55
 1,1,2-Trichloroethane
 Concen: 20.346 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	69601
Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.9	103.3
85	60.1	44.8	67.2
99	63.2	47.8	71.8

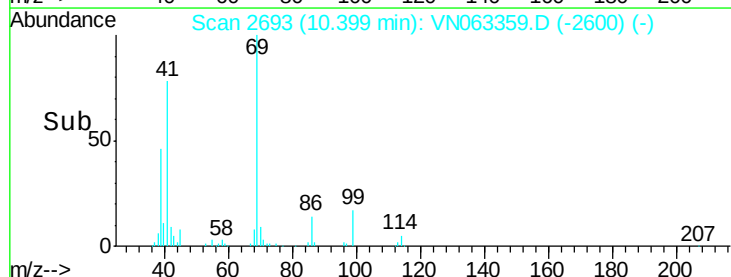
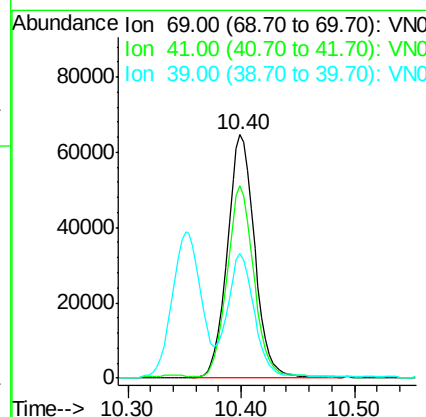
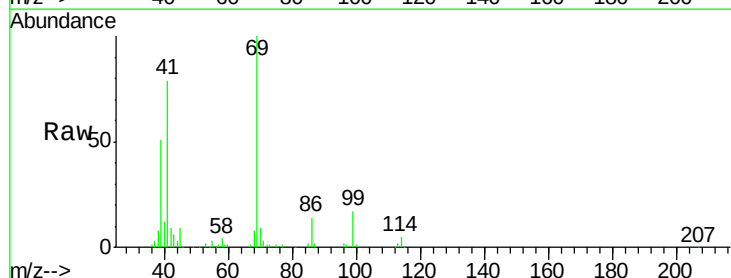
Manual Integrations
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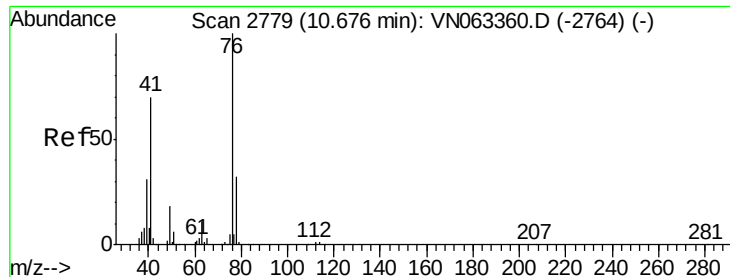
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#56
 Ethyl methacrylate
 Concen: 20.983 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion:	69	Resp:	109050
Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.0	91.6
39	50.0	39.2	58.8





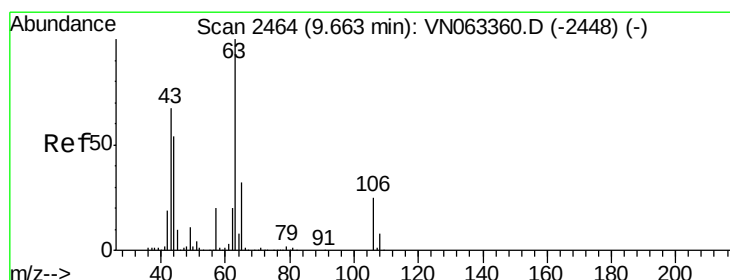
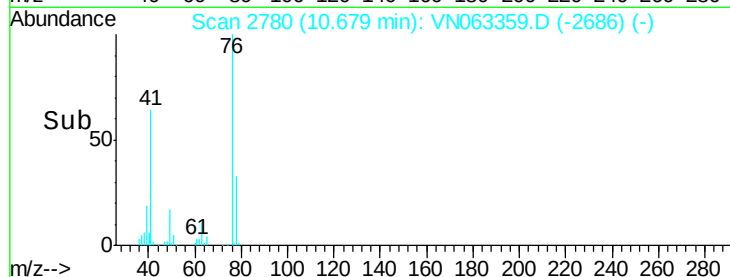
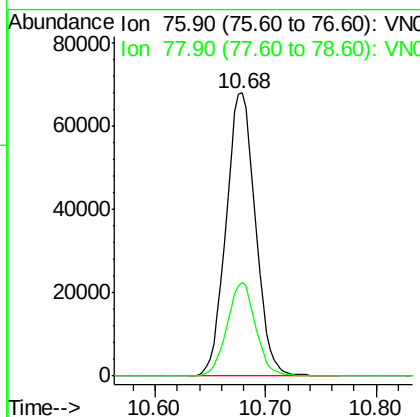
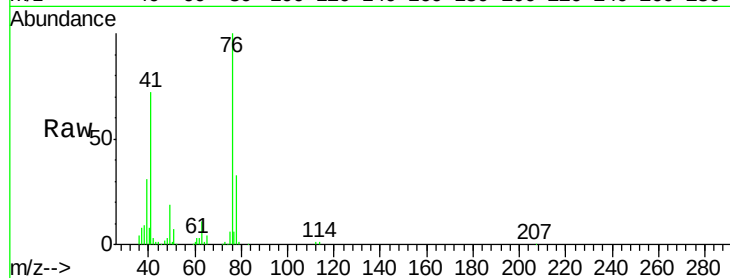
#57
 1,3-Dichloropropane
 Concen: 21.047 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

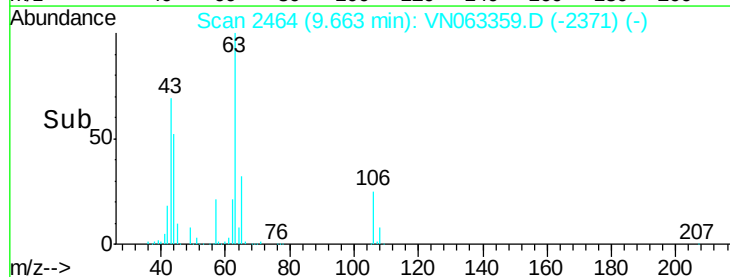
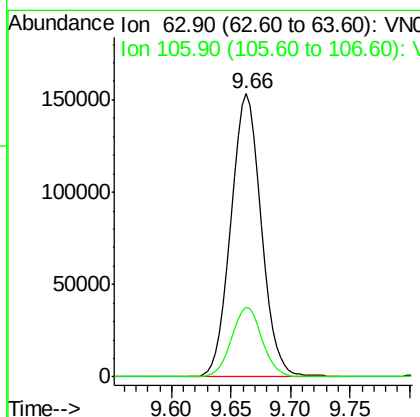
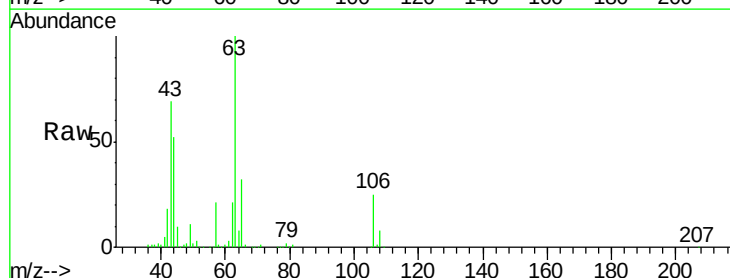
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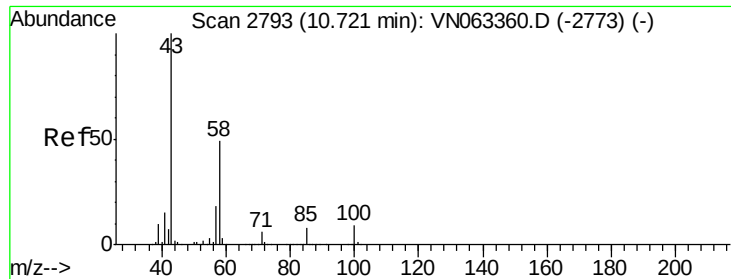
MMDadoda
 9/17/2020 1:07:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.317 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	19.5	29.3





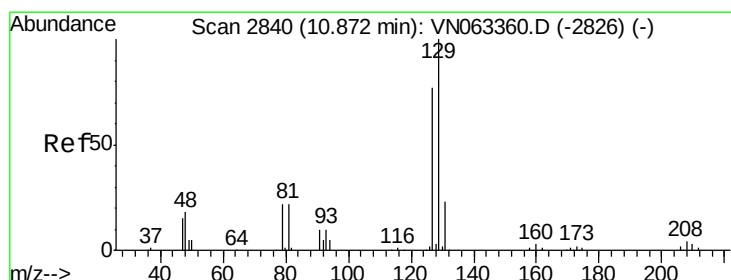
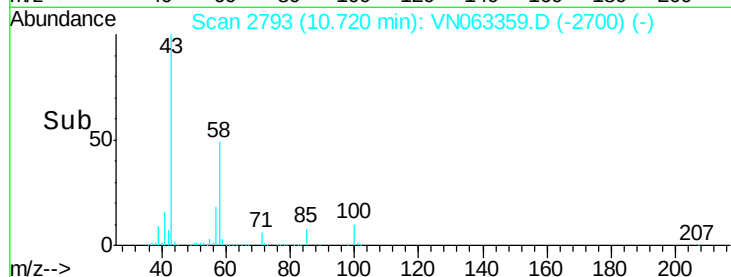
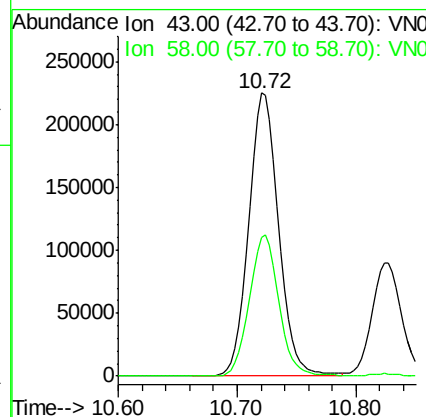
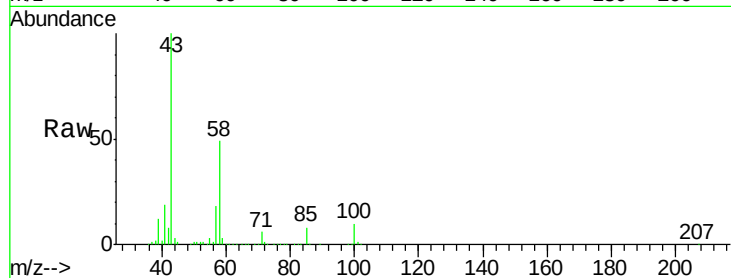
#59
2-Hexanone
Concen: 114.557 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 389490
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1

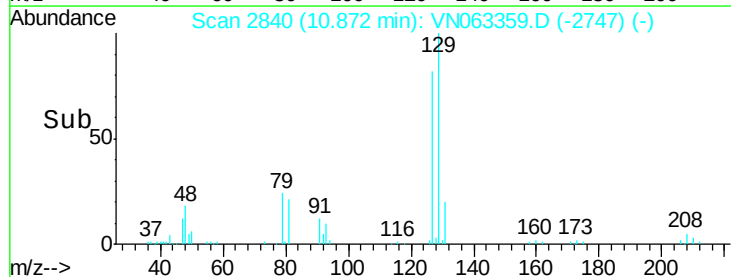
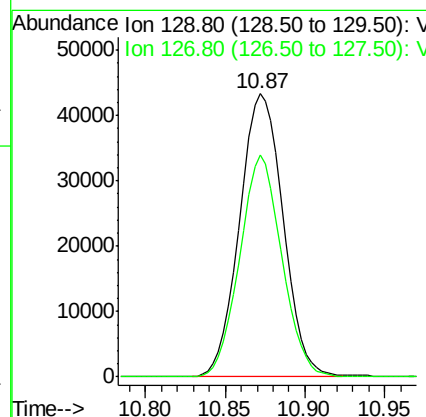
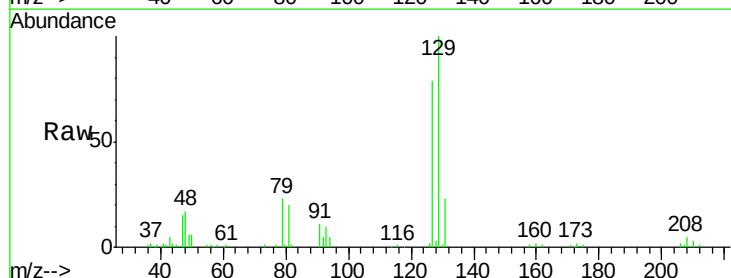
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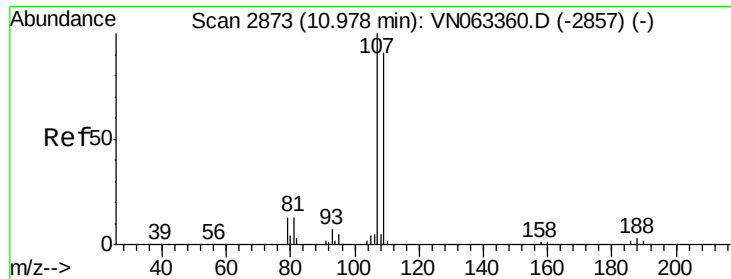
MMDadoda
9/17/2020 1:07:50 PM



#60
Dibromochloromethane
Concen: 21.416 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion: 129 Resp: 80549
Ion Ratio Lower Upper
129 100
127 75.3 39.1 117.3





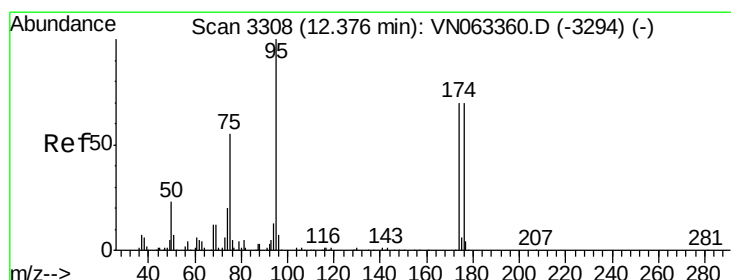
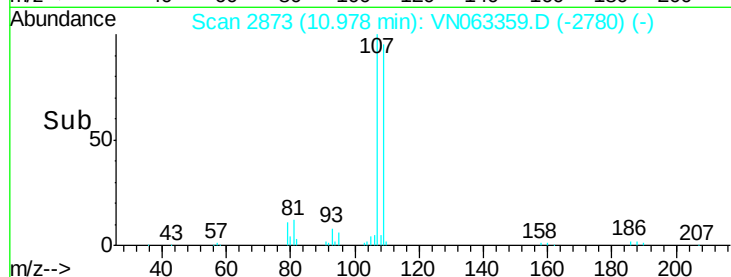
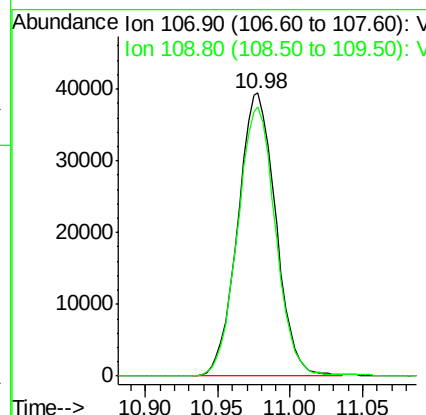
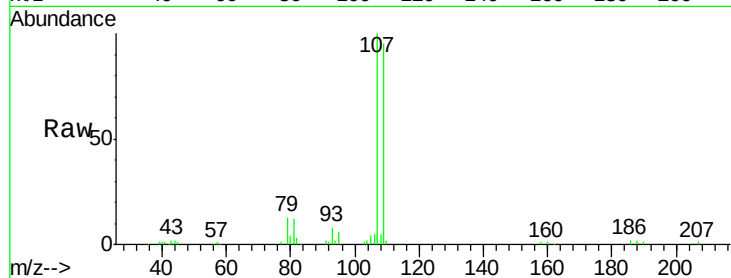
#61
 1,2-Dibromoethane
 Concen: 20.064 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	111.8

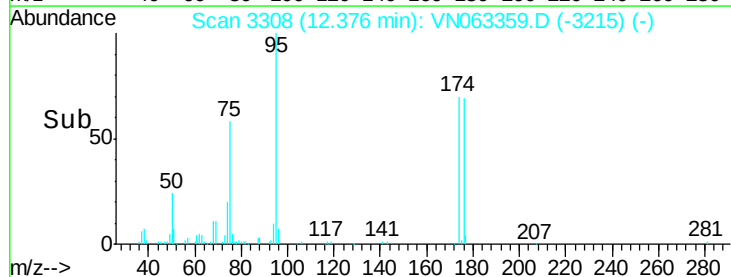
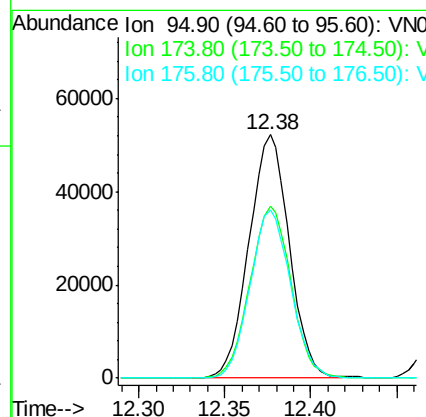
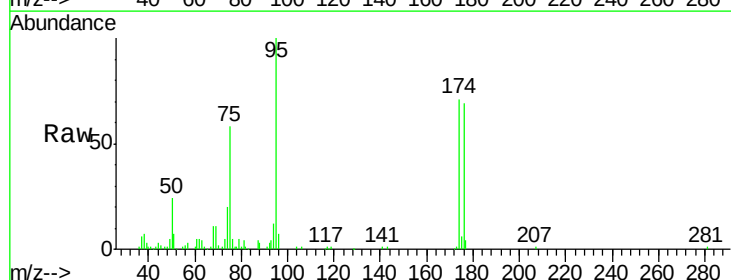
Manual Integrations
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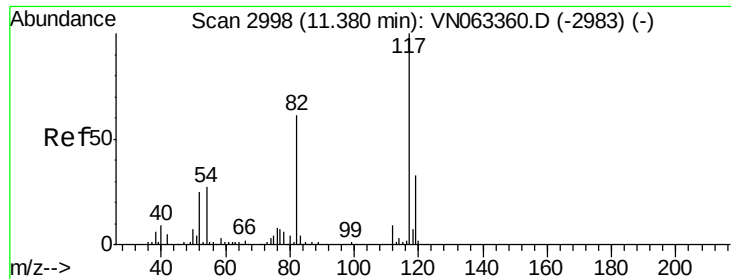
MMDadoda
 9/17/2020 1:07:50 PM



#62
 4-Bromofluorobenzene
 Concen: 19.222 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	140.8
176	69.6	0.0	137.6





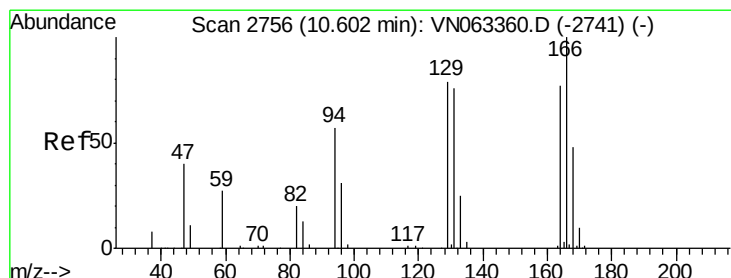
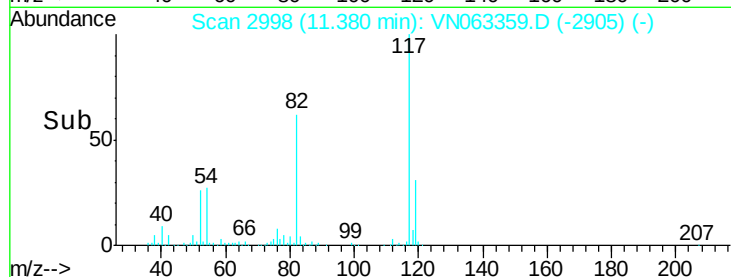
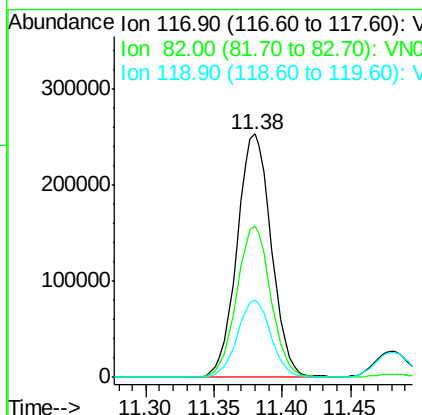
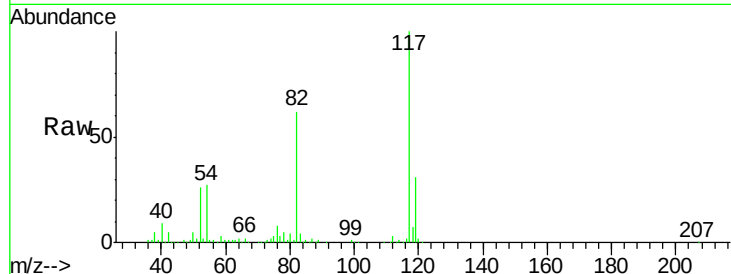
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	49.2	73.8
119	31.5	26.2	39.4

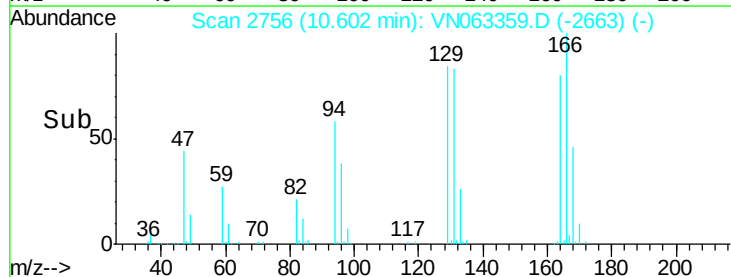
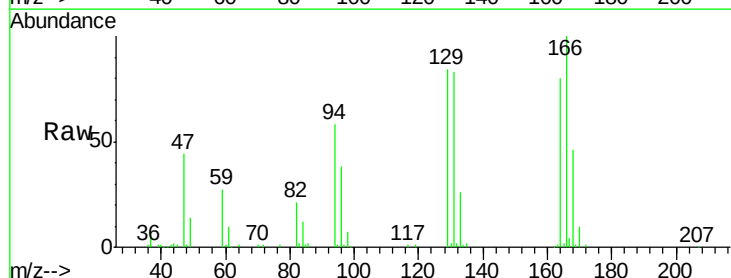
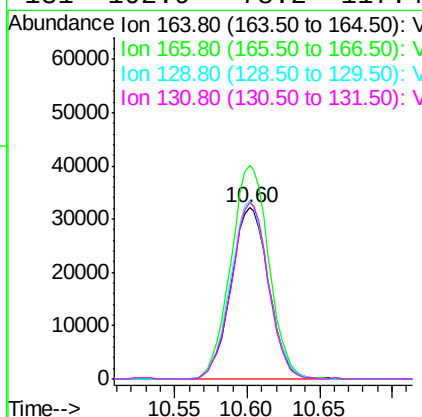
Manual Integrations
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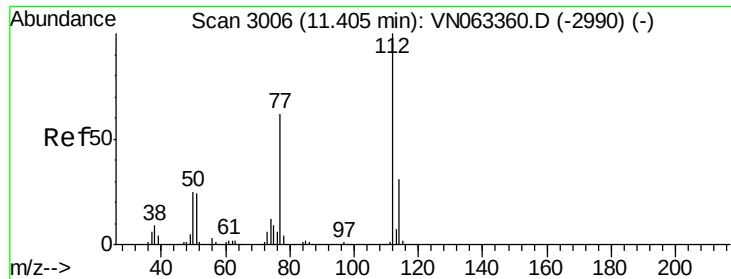
MMDadoda
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#64
Tetrachloroethene
Concen: 16.548 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	103.4	155.0
129	104.1	81.8	122.6
131	102.9	78.2	117.4





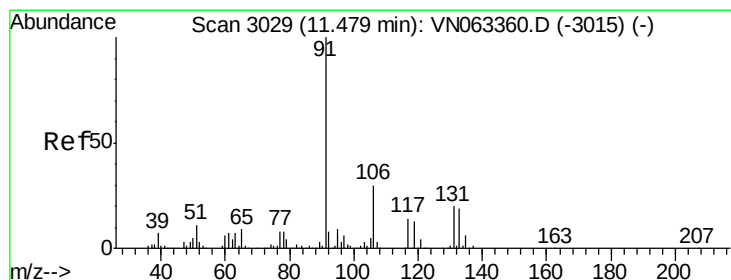
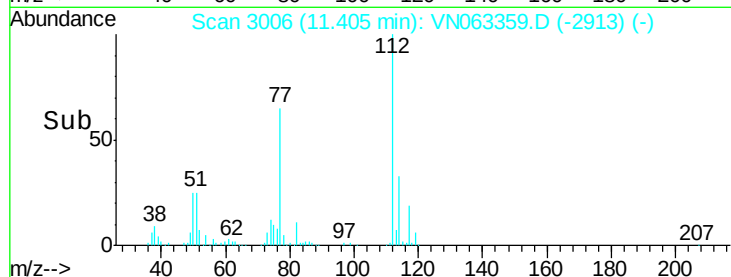
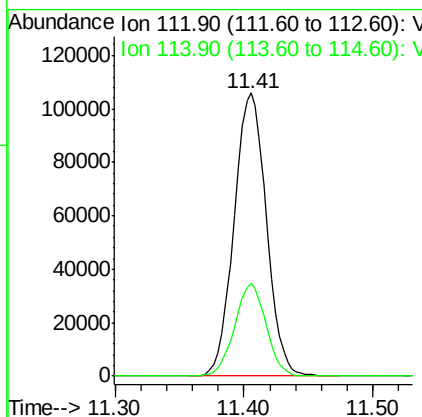
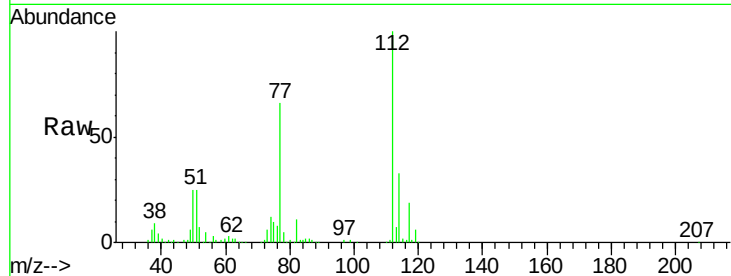
#65
Chlorobenzene
Concen: 19.339 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.6

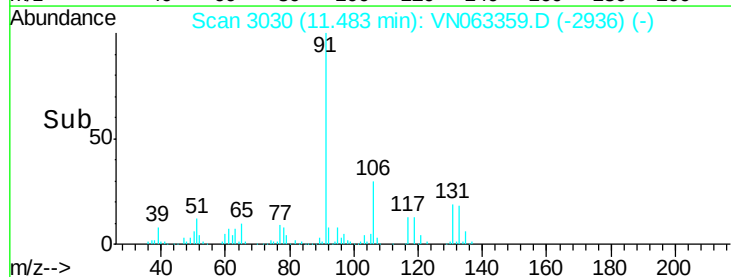
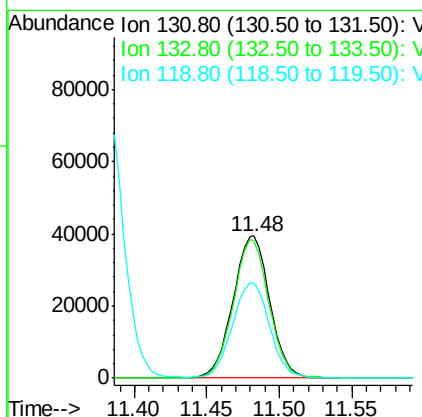
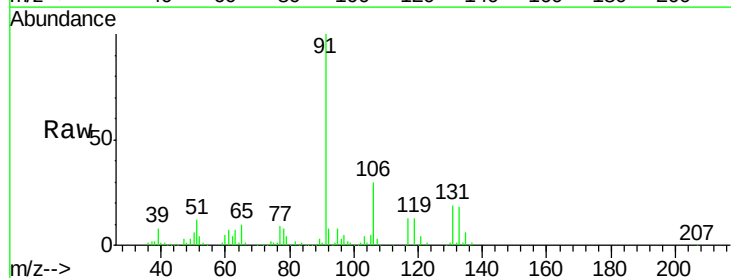
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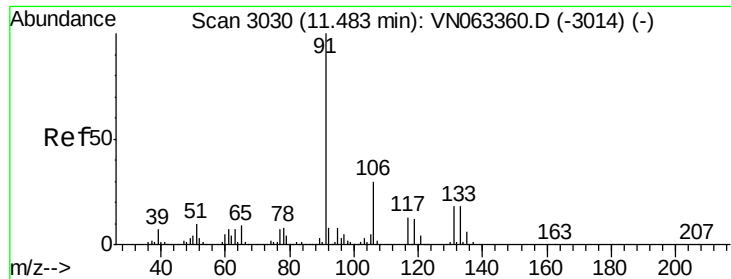
MMDadoda
9/17/2020 1:07:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.935 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.9
119	68.0	33.6	100.8





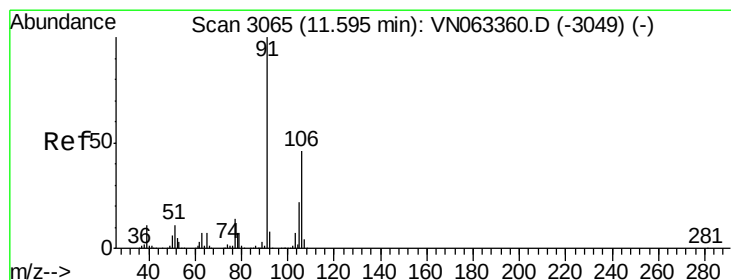
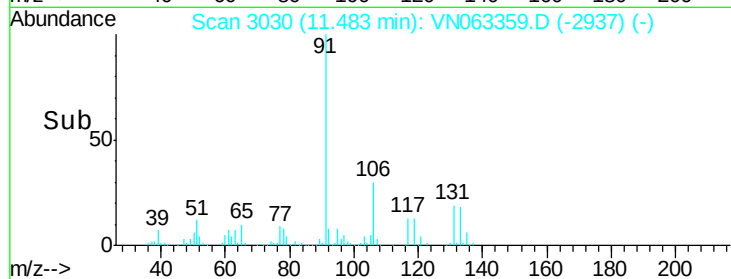
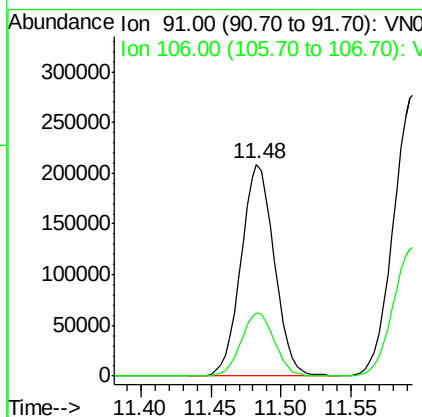
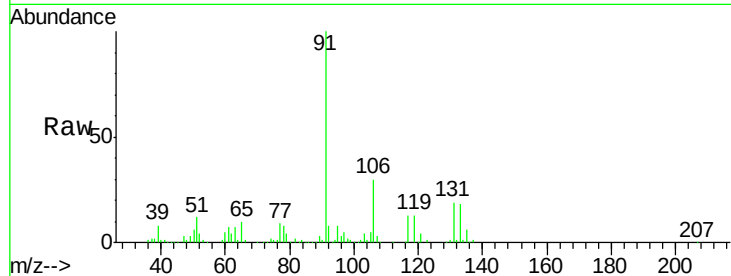
#67
Ethyl Benzene
Concen: 20.212 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 346677
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

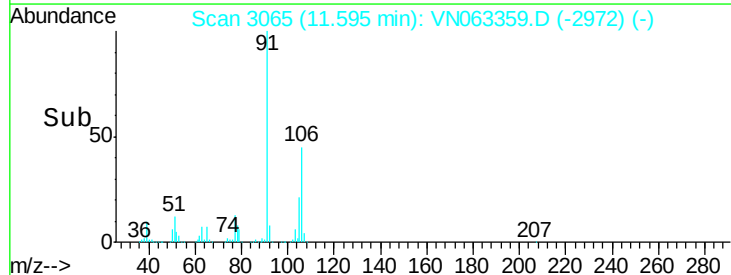
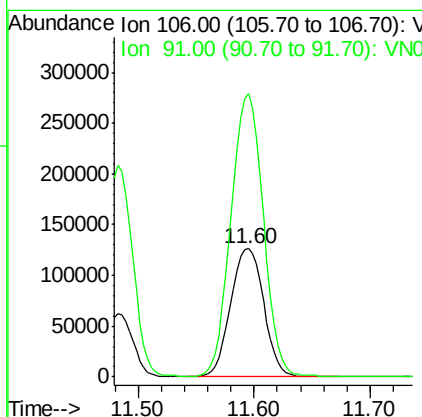
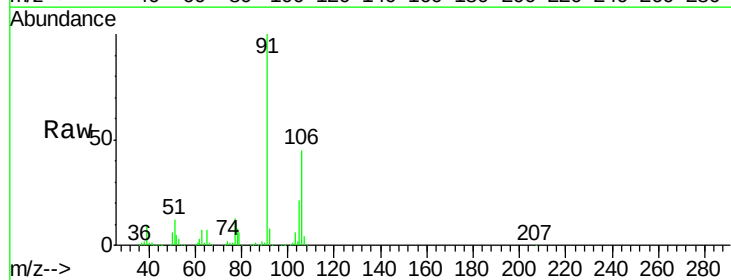
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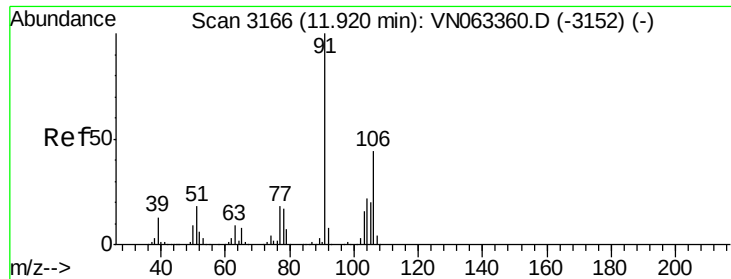
MMDadoda
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#68
m/p-Xylenes
Concen: 39.566 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion: 106 Resp: 251299
Ion Ratio Lower Upper
106 100
91 213.6 171.2 256.8





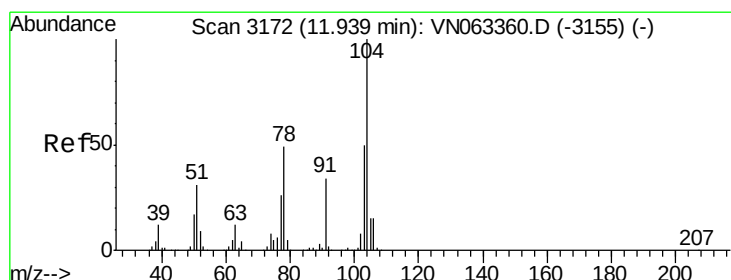
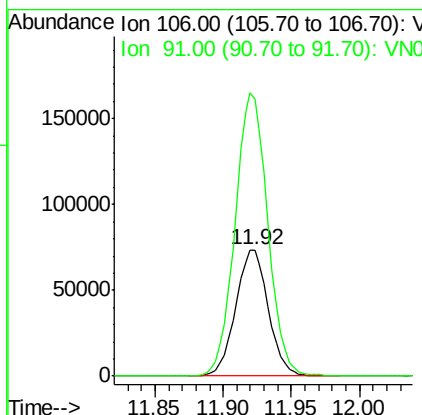
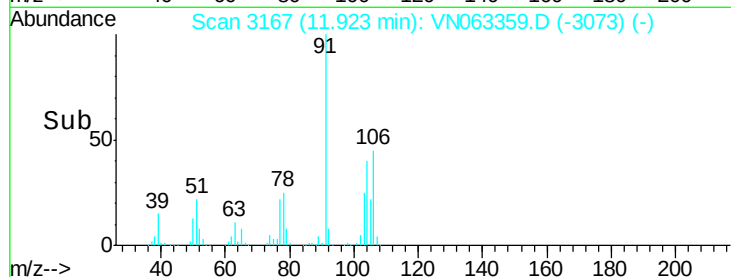
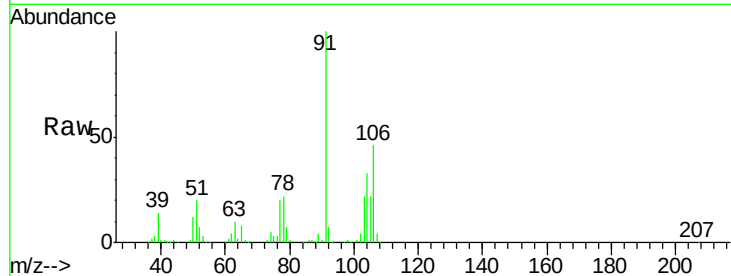
#69
o-Xylene
Concen: 20.070 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.6	113.6	340.8

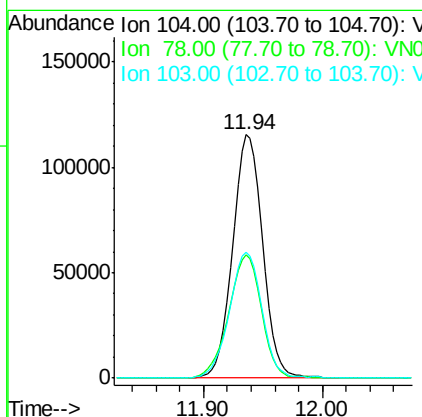
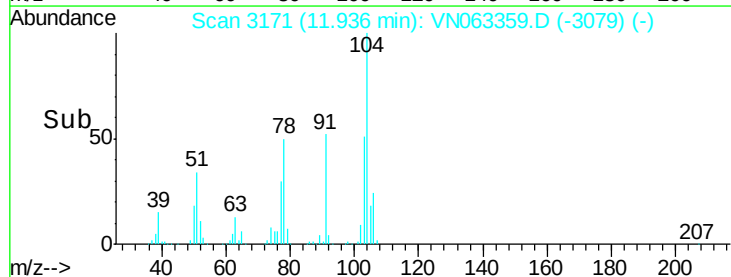
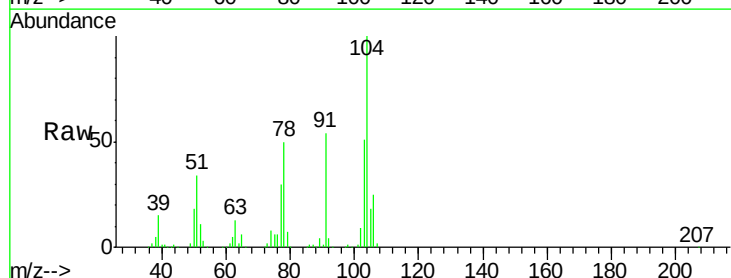
Manual Integrations
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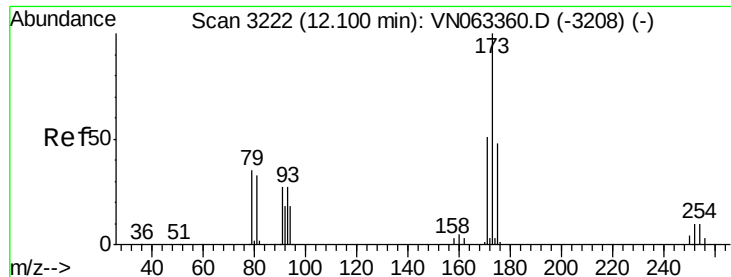
MMDadoda
9/17/2020 1:07:50 PM



#70
Styrene
Concen: 19.927 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.3	44.4	66.6
103	55.7	43.7	65.5





#71

Bromoform

Concen: 20.804 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

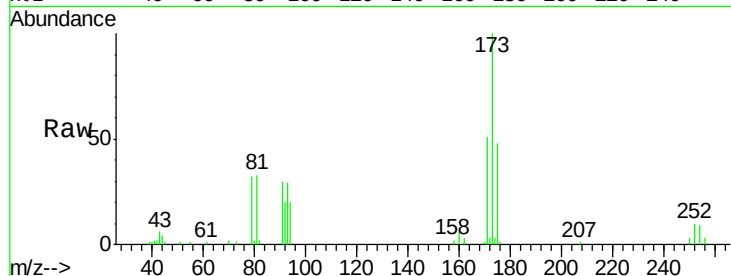
ClientSampleId :

VSTDIC020

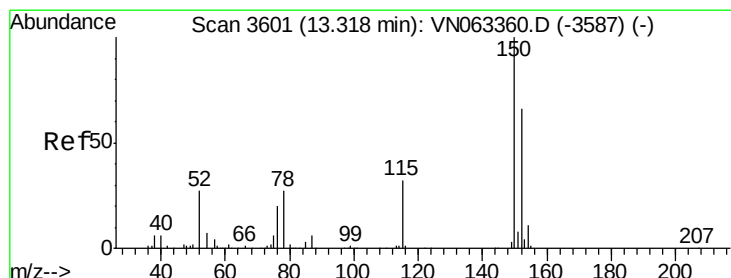
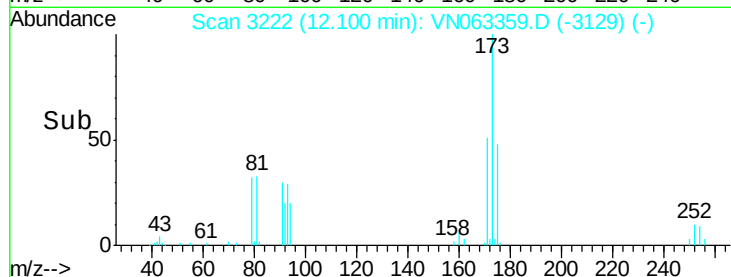
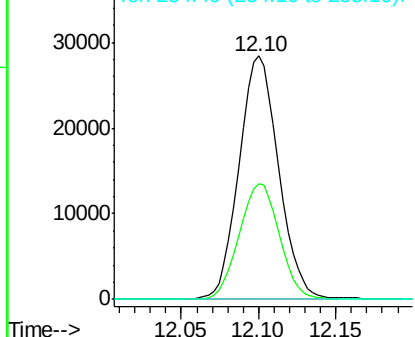
Tot Ion:173	Resp:	50682
Ion Ratio	Lower	Upper
173 100		
175 48.1	24.0	72.0
254 0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

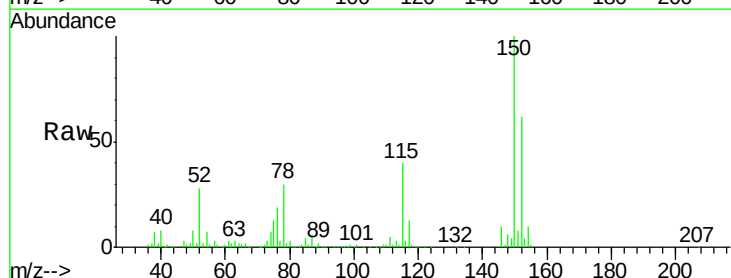
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

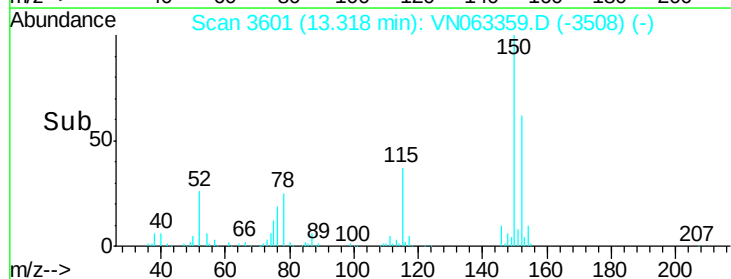
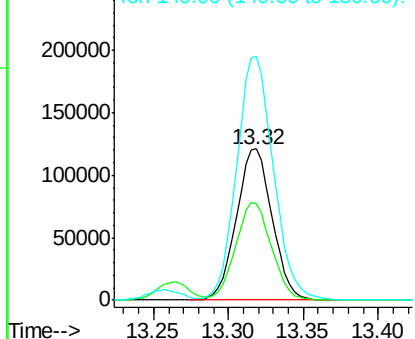
Lab File: VN063359.D

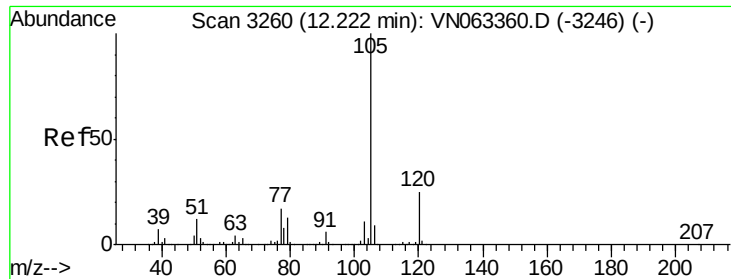
Acq: 16 Sep 2020 11:32

Tgt Ion:152	Resp:	201031
Ion Ratio	Lower	Upper
152 100		
115 64.2	32.2	96.6
150 165.7	0.0	343.4



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: 20.217 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 327789

Ion Ratio Lower Upper

105 100

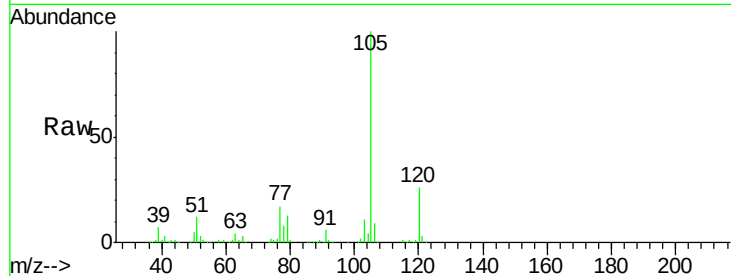
120 25.5 12.7 38.0

Manual Integrations

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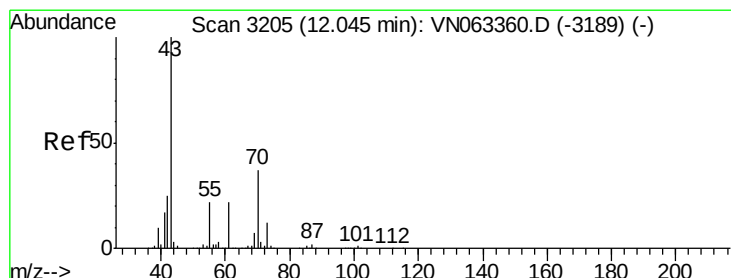
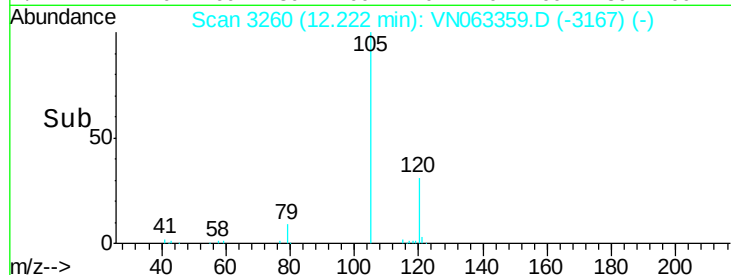
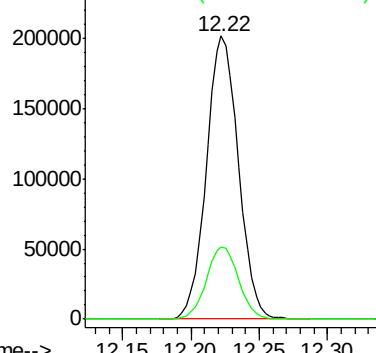
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.378 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion: 43 Resp: 157246

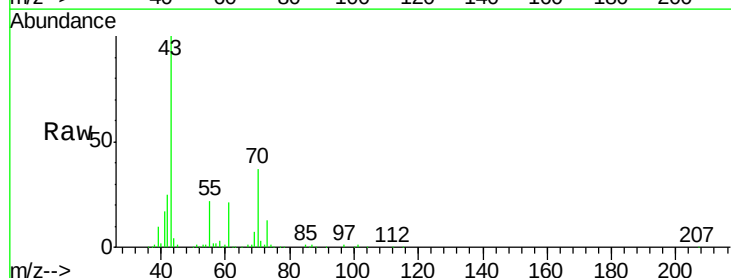
Ion Ratio Lower Upper

43 100

70 37.4 29.6 44.4

55 22.3 17.7 26.5

61 21.6 17.4 26.2

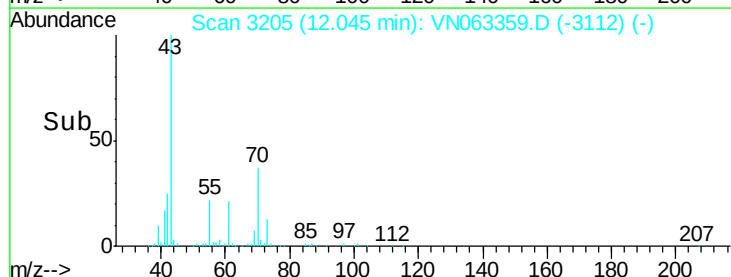
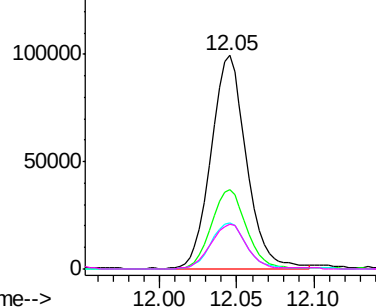


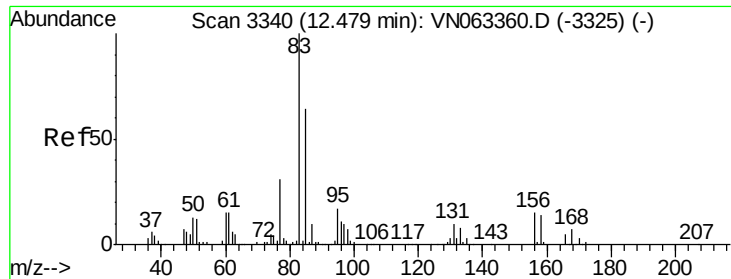
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.746 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 83 Resp: 106826

Ion Ratio Lower Upper

83 100

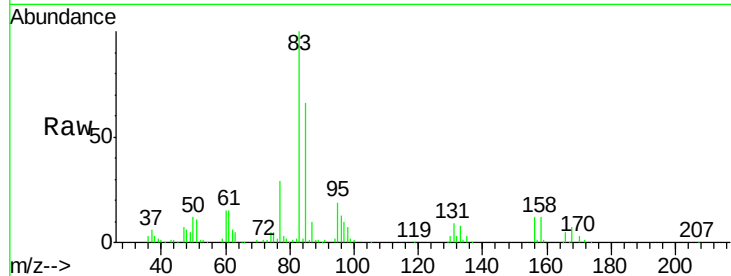
131 9.0 4.9 14.7

85 64.1 32.0 96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063360.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-3325) (-)

12.48

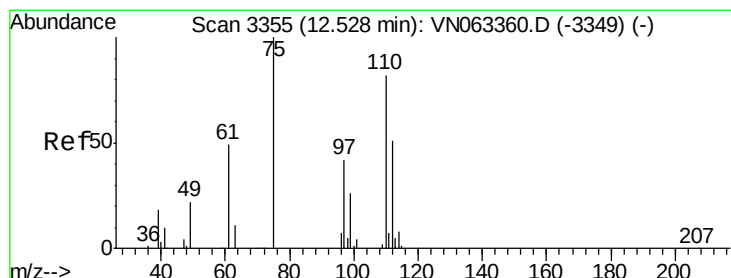
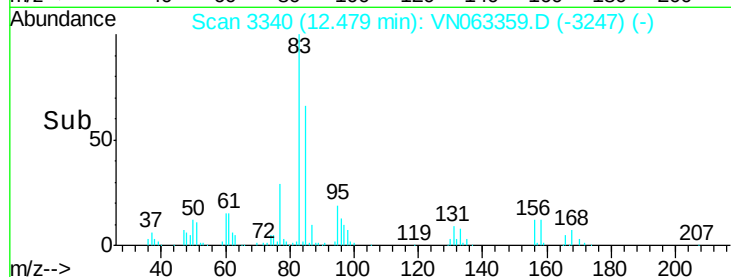
60000

40000

20000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.650 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063359.D

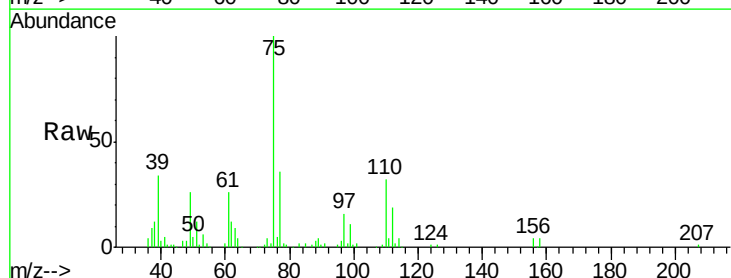
Acq: 16 Sep 2020 11:32

Tgt Ion: 75 Resp: 97932

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)

100000

80000

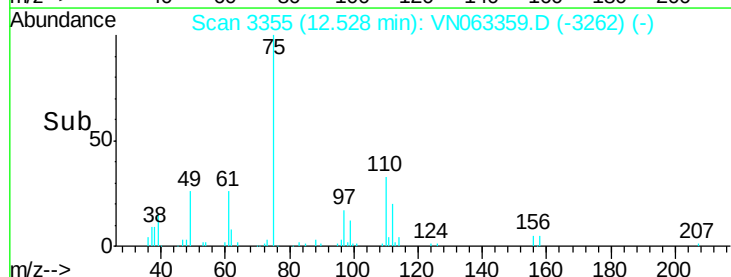
60000

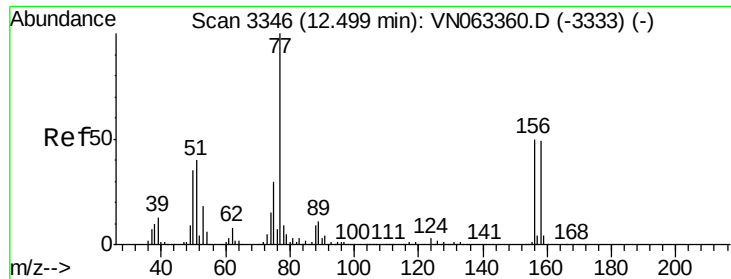
40000

20000

0

Time-->





#77

Bromobenzene

Concen: 19.641 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

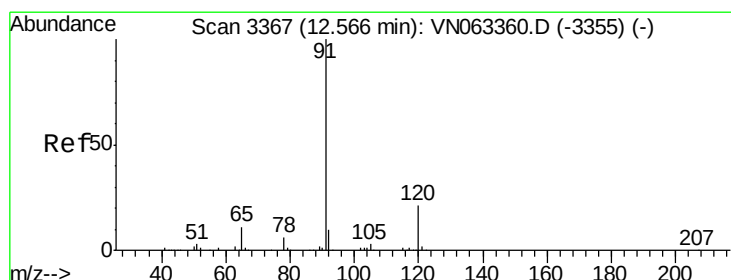
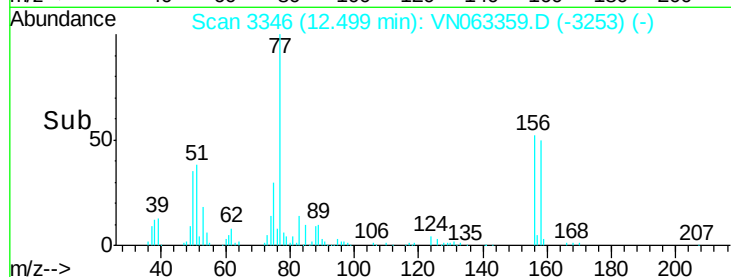
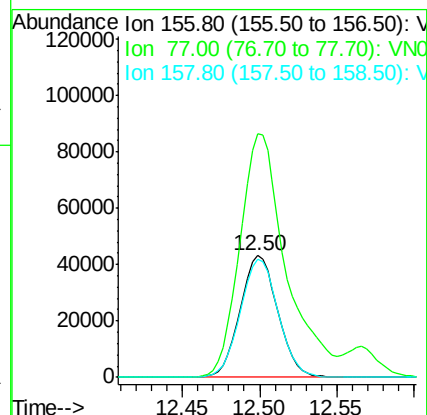
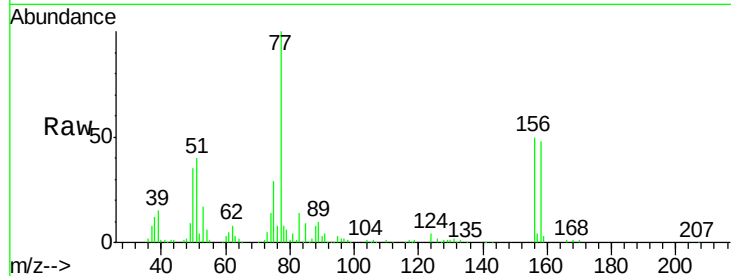
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	244.7	120.2	360.6
158	97.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.663 ug/l

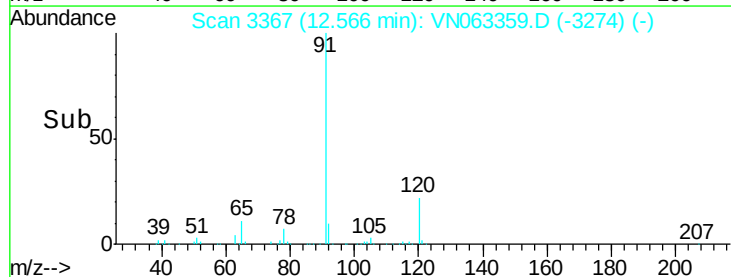
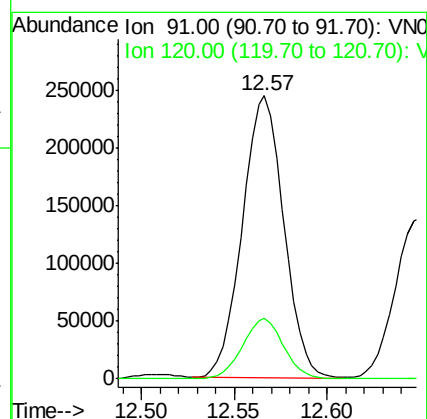
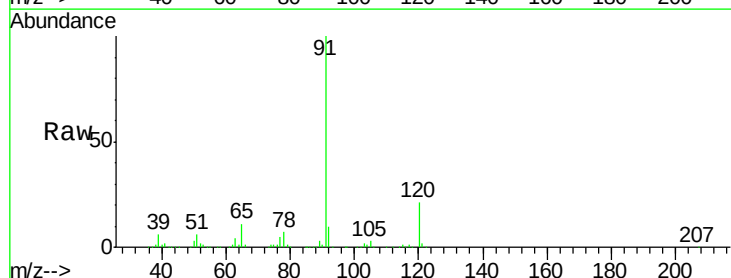
RT: 12.57 min Scan# 3367

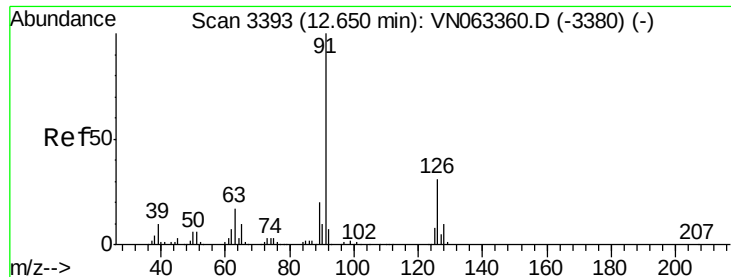
Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.8	32.3





#79

2-Chlorotoluene

Concen: 20.351 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 230076

Ion Ratio Lower Upper

91 100

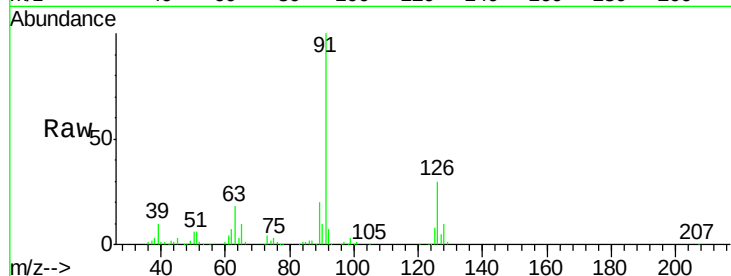
126 30.6 15.8 47.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

250000

200000

150000

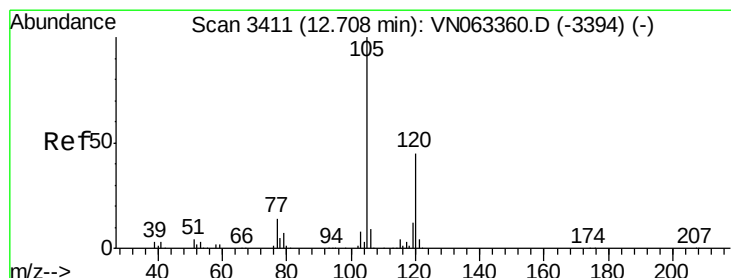
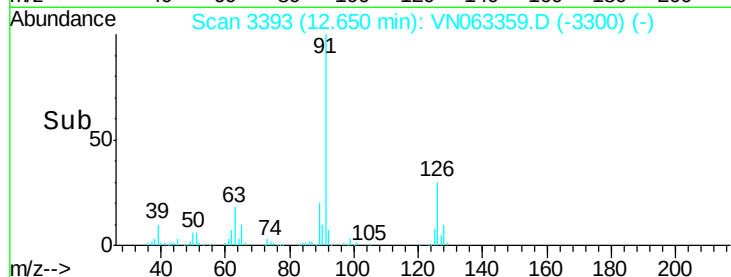
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.465 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063359.D

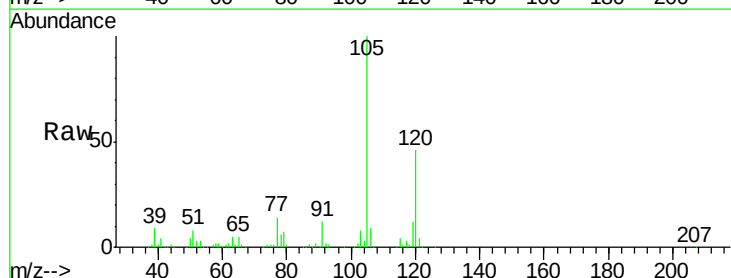
Acq: 16 Sep 2020 11:32

Tgt Ion: 105 Resp: 275634

Ion Ratio Lower Upper

105 100

120 46.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

200000

150000

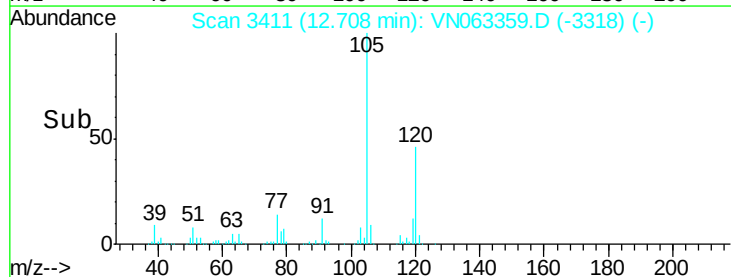
100000

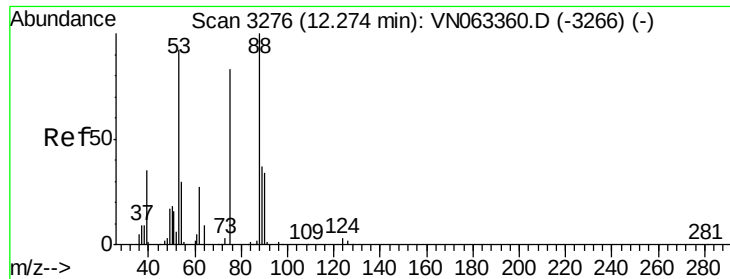
50000

0

12.70 12.71 12.72

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.422 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

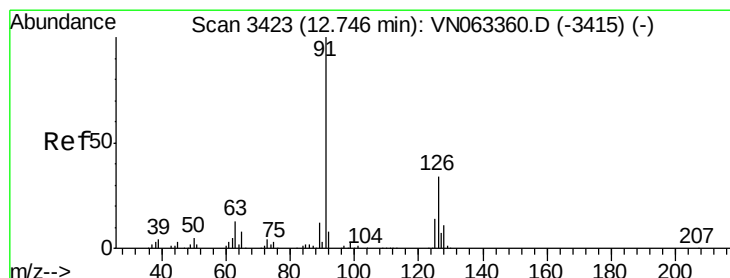
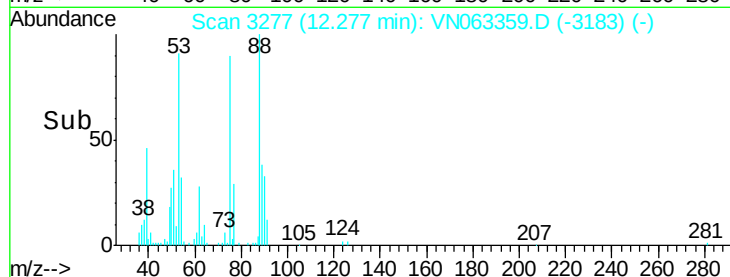
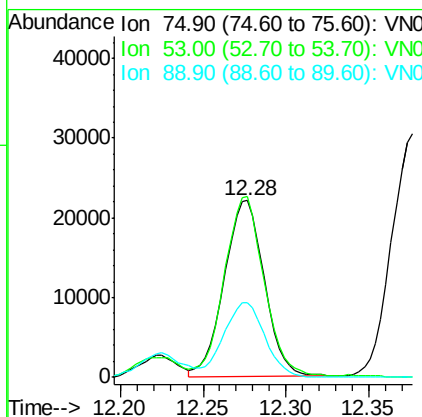
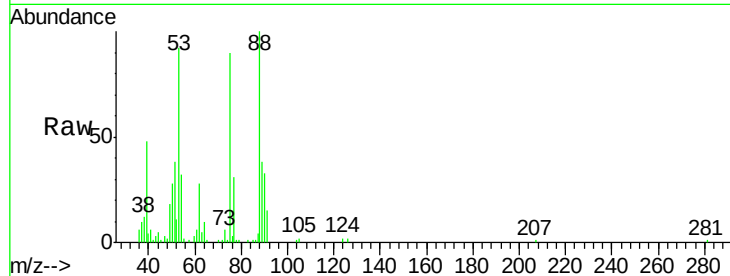
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	37371
Ion	Ratio	Lower	Upper
75	100		
53	100.6	85.7	128.5
89	43.1	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.078 ug/l

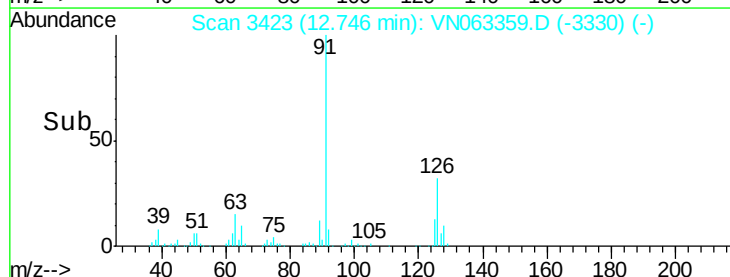
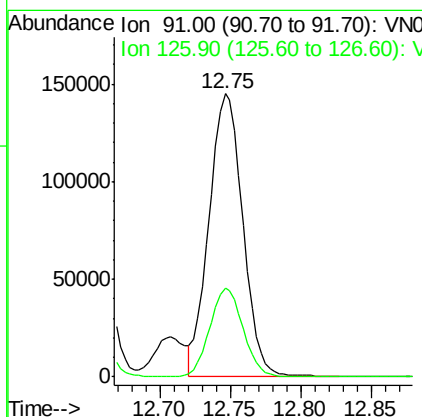
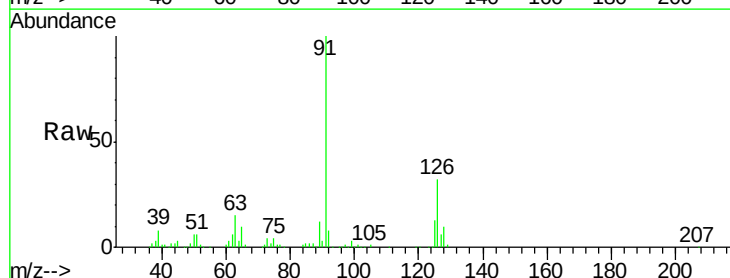
RT: 12.75 min Scan# 3423

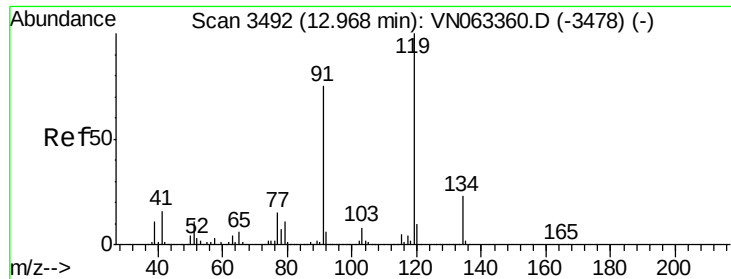
Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Tgt Ion:	91	Resp:	238612
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.5	46.5





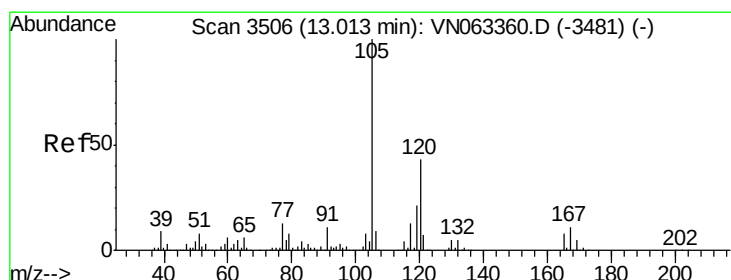
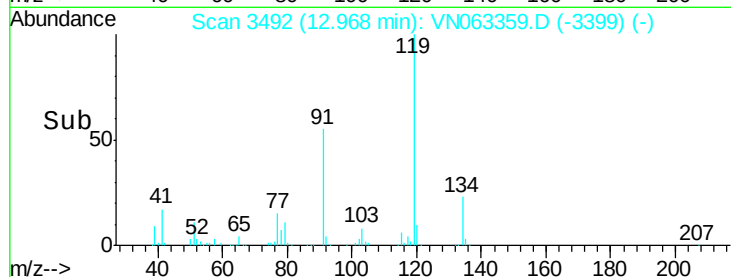
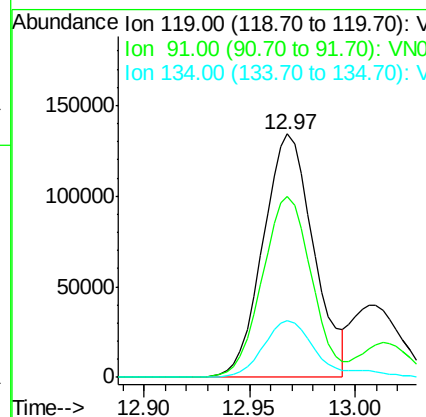
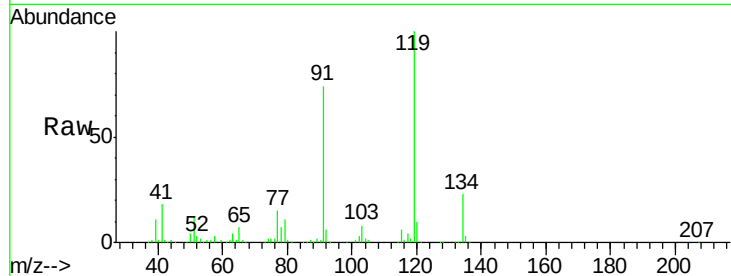
#83
tert-Butylbenzene
Concen: 19.677 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	224132		
91	73.0	36.3	108.9	
134	25.1	12.3	36.8	

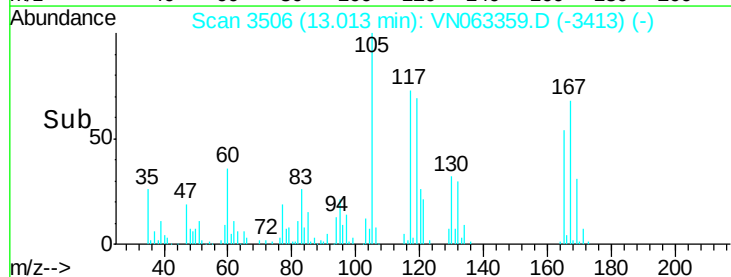
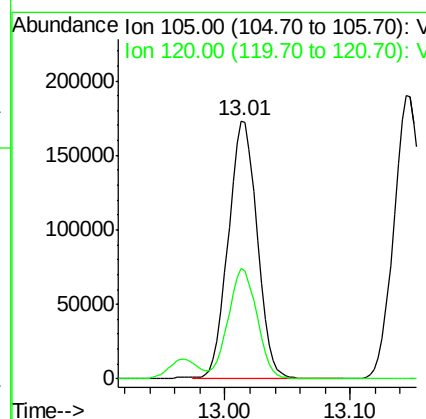
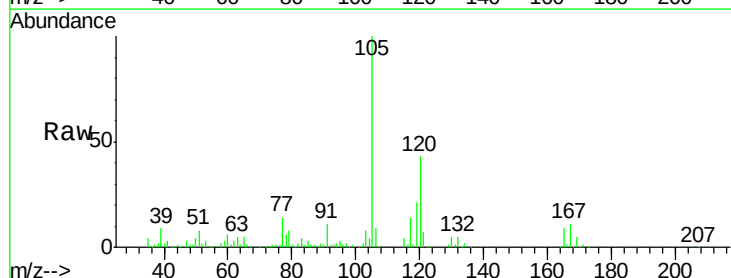
Manual Integrations
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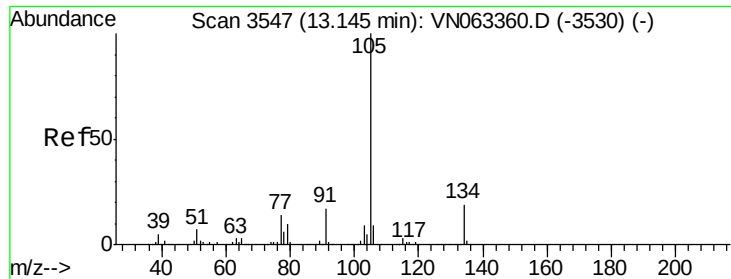
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.244 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	274995		
120	43.2	21.3	63.9	





#85

sec-Butylbenzene

Concen: 20.801 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 302110

Ion Ratio Lower Upper

105 100

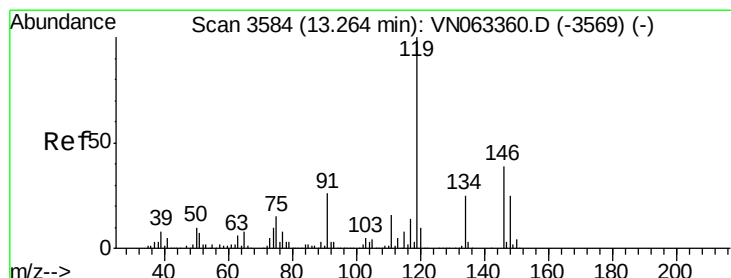
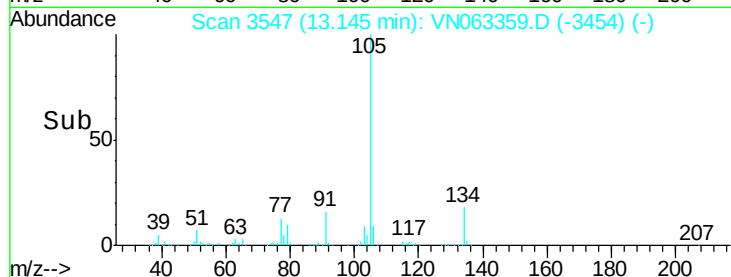
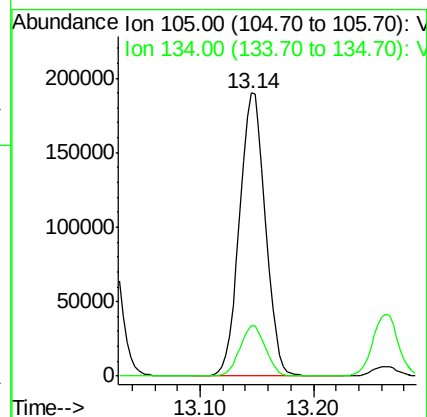
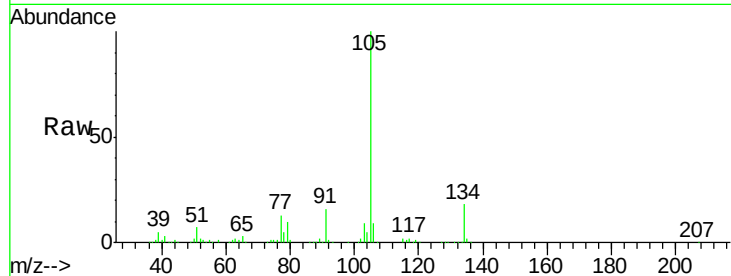
134 17.7 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.790 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063359.D

Acq: 16 Sep 2020 11:32

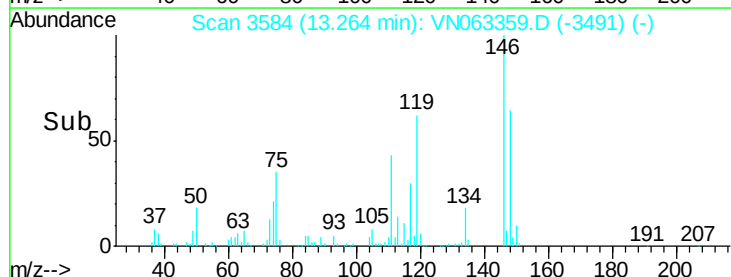
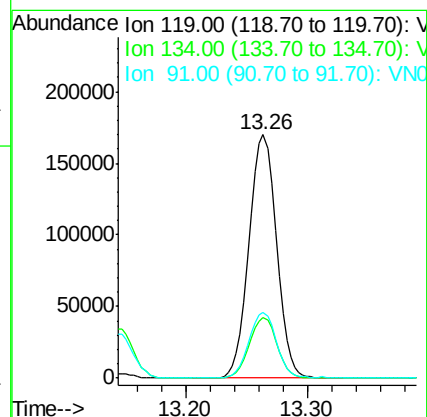
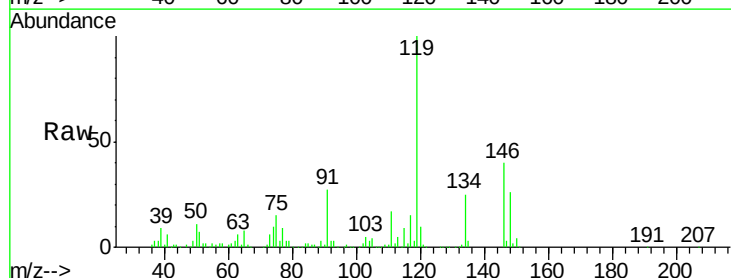
Tgt Ion:119 Resp: 262937

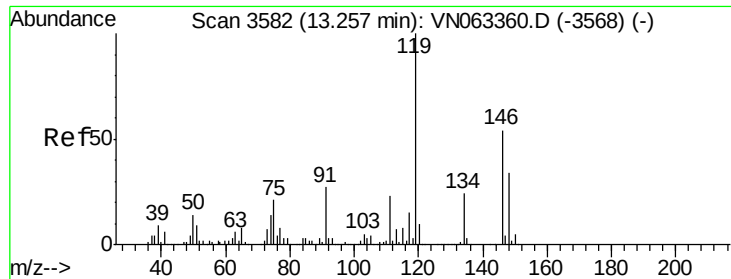
Ion Ratio Lower Upper

119 100

134 24.8 12.5 37.5

91 27.0 13.4 40.1





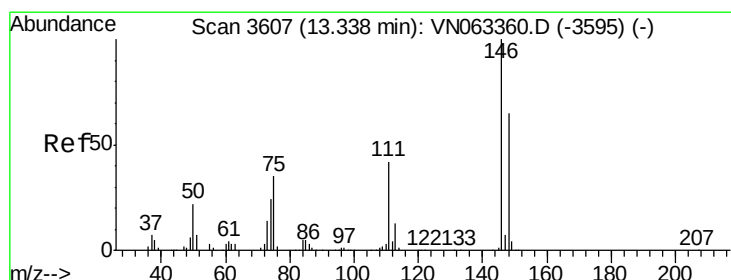
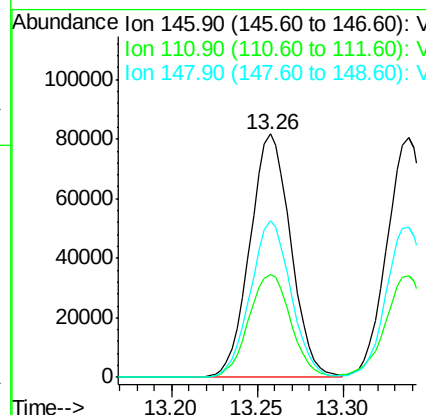
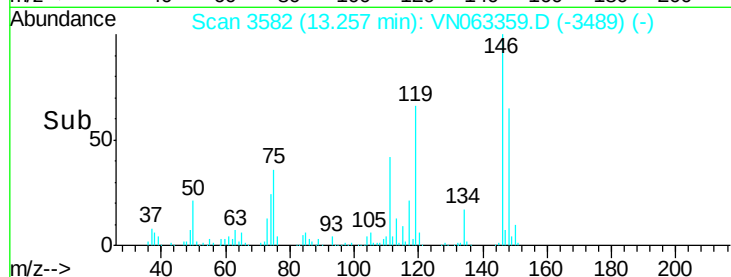
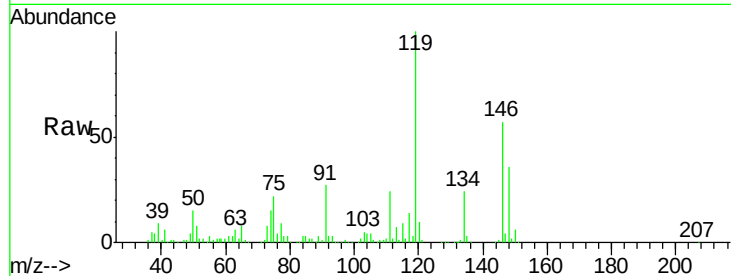
#87
 1,3-Dichlorobenzene
 Concen: 19.788 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	63.8	31.9	95.7

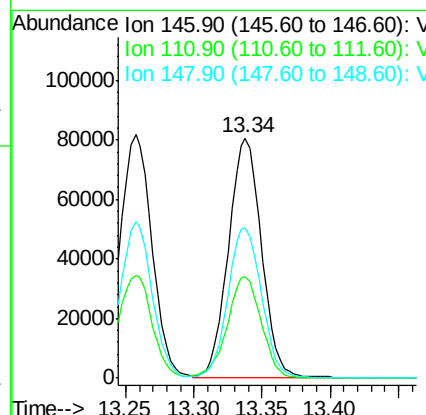
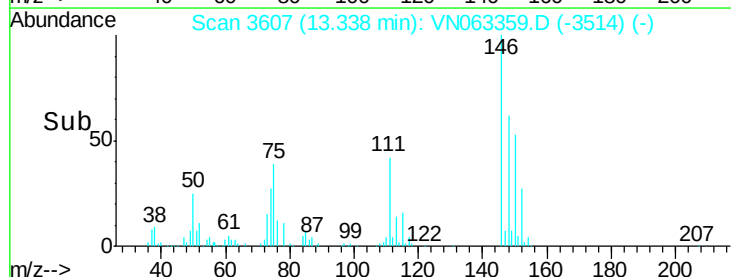
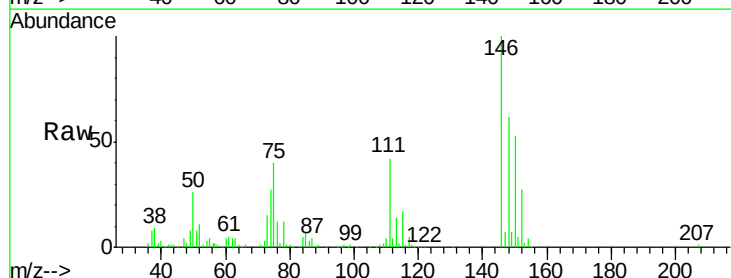
Manual Integrations
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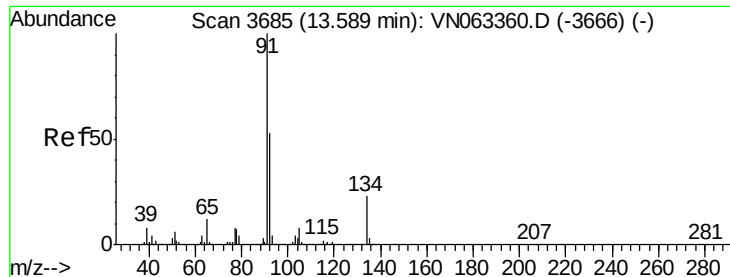
MMDadoda
 9/17/2020 1:07:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.048 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.2	63.6
148	63.5	31.9	95.9





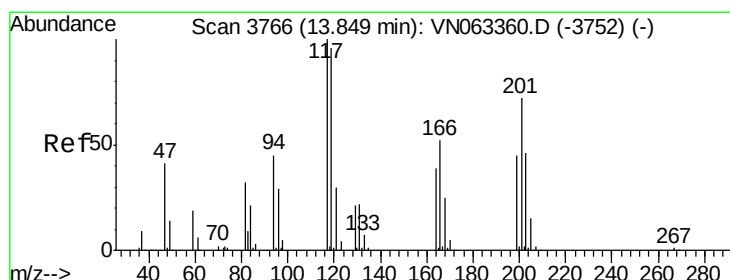
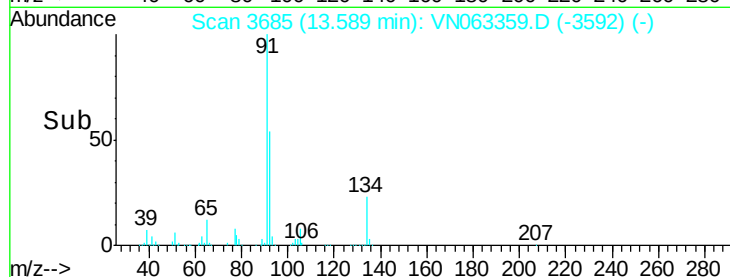
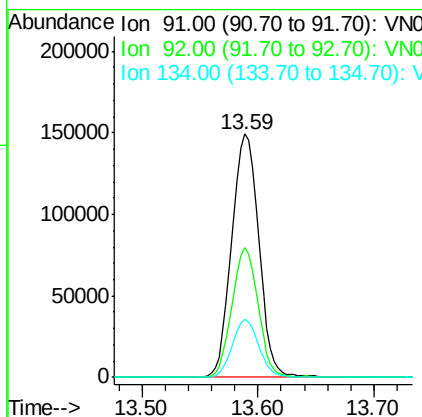
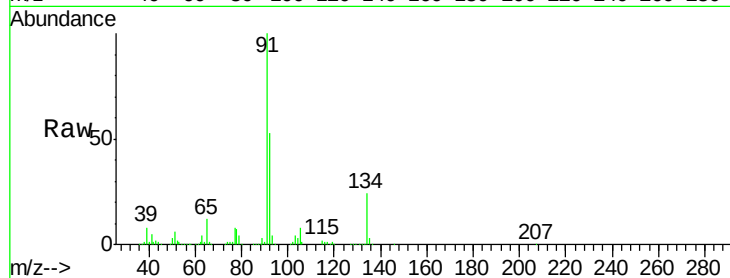
#89
n-Butylbenzene
Concen: 20.075 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	23.1	11.7	35.0

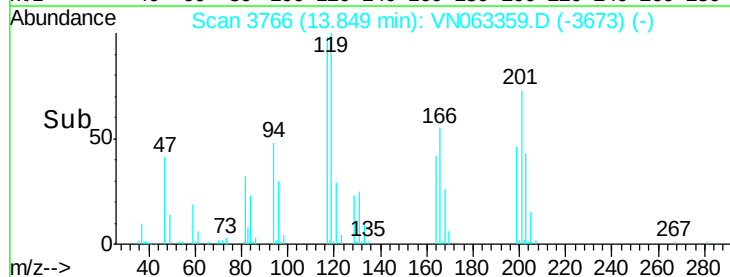
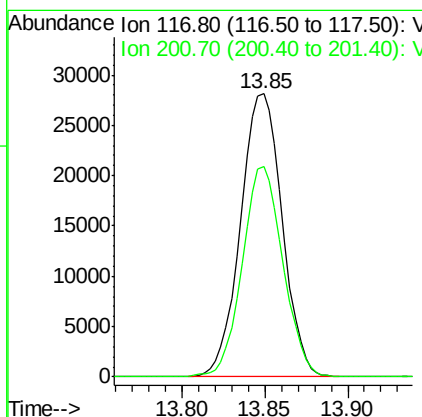
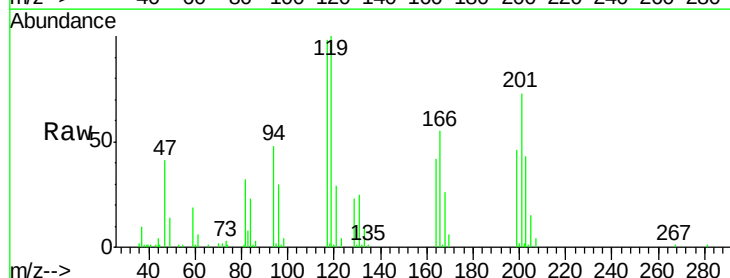
Manual Integrations
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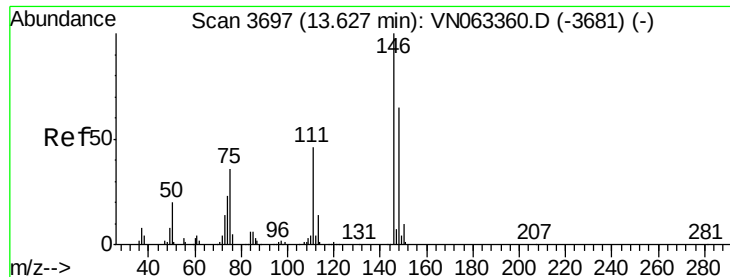
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#90
Hexachloroethane
Concen: 22.226 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	35.5	106.7





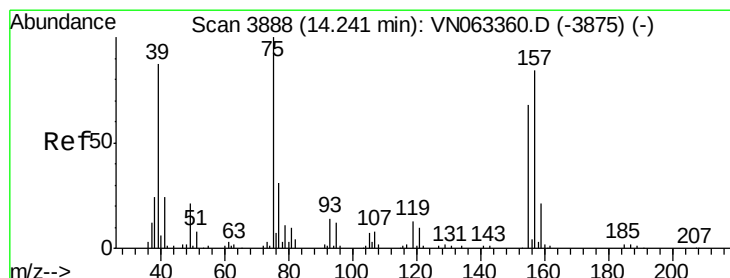
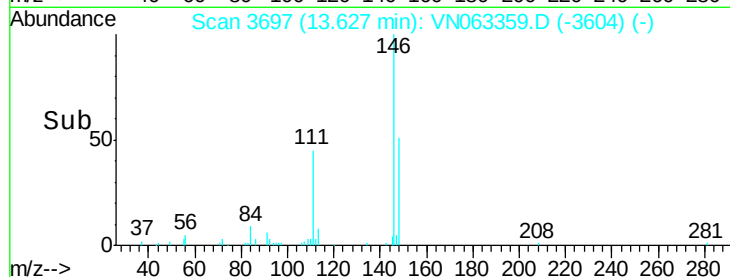
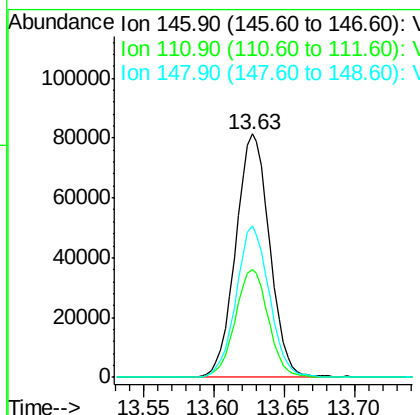
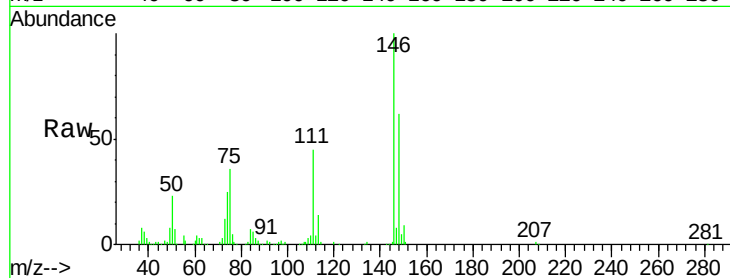
#91
 1,2-Dichlorobenzene
 Concen: 20.390 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.4	67.2
148	61.0	32.0	96.0

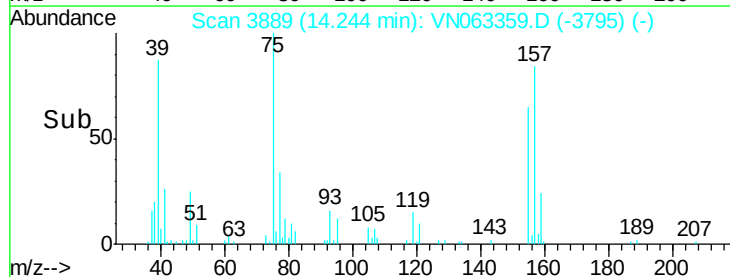
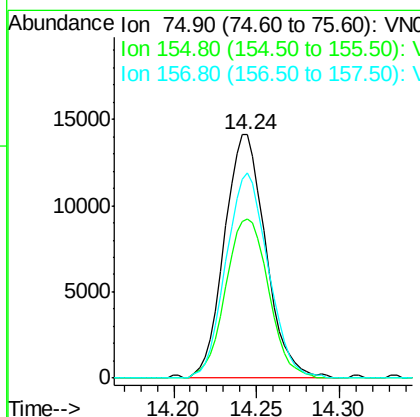
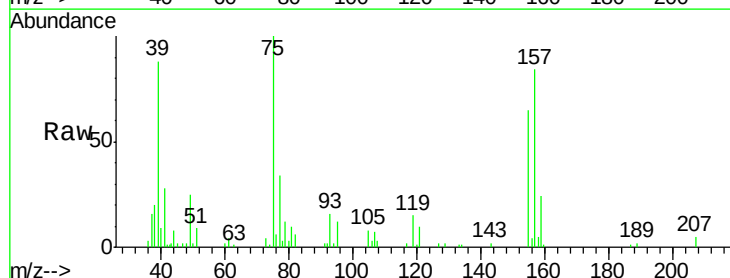
Manual Integrations
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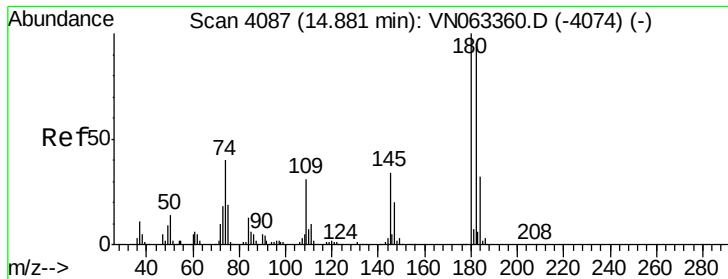
MMDadoda
 9/17/2020 1:07:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.802 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.9	34.6	103.9
157	85.6	43.7	131.1





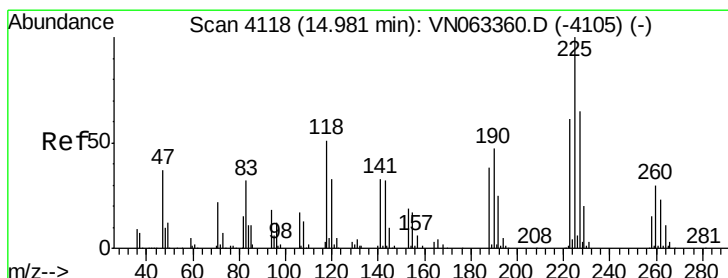
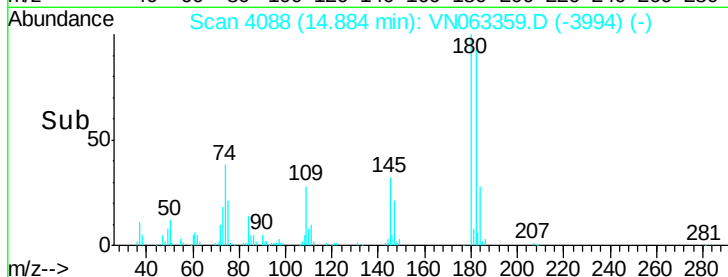
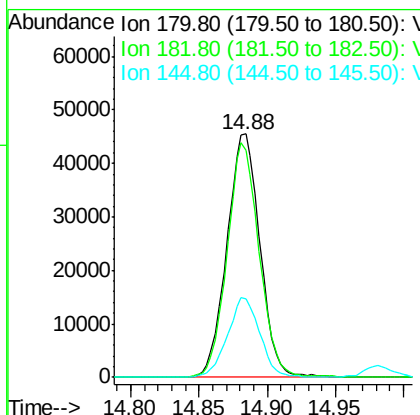
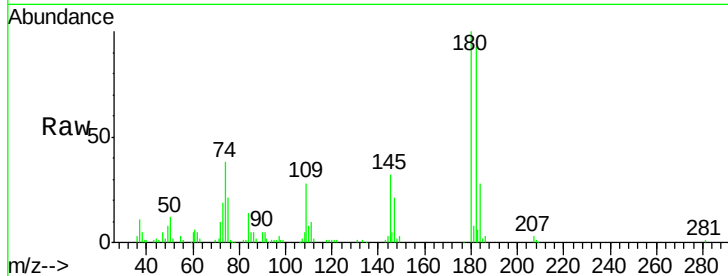
#93
 1,2,4-Trichlorobenzene
 Concen: 19.283 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	76617		
182	93.6	47.3	142.0	
145	31.9	16.6	49.7	

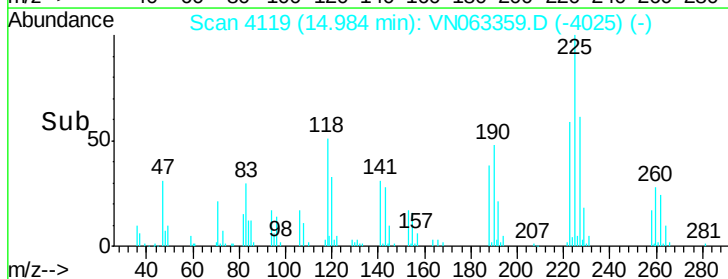
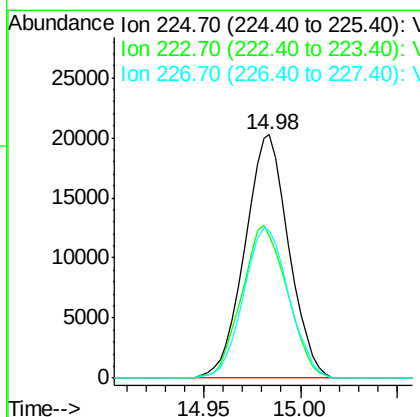
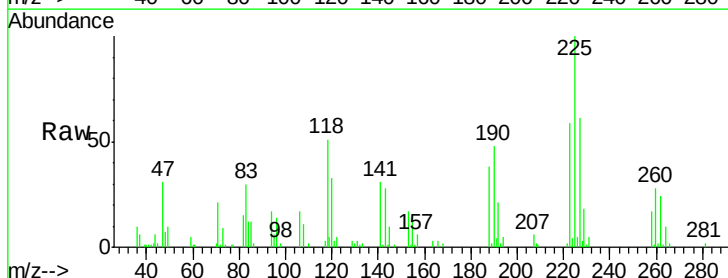
Manual Integrations
 APPROVED

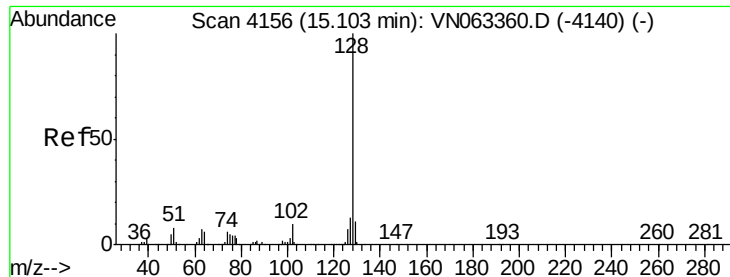
MMDadoda
 9/17/2020 1:07:50 PM



#94
 Hexachlorobutadiene
 Concen: 18.778 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063359.D
 Acq: 16 Sep 2020 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31933		
223	64.9	30.6	91.6	
227	63.9	31.2	93.6	





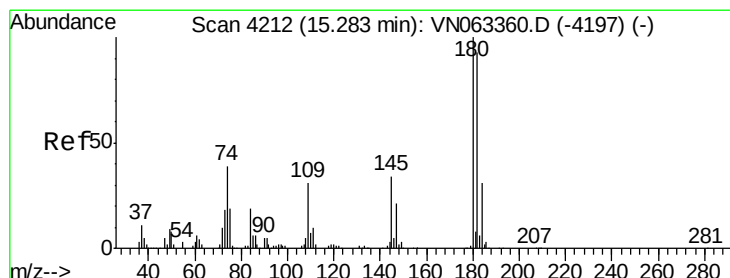
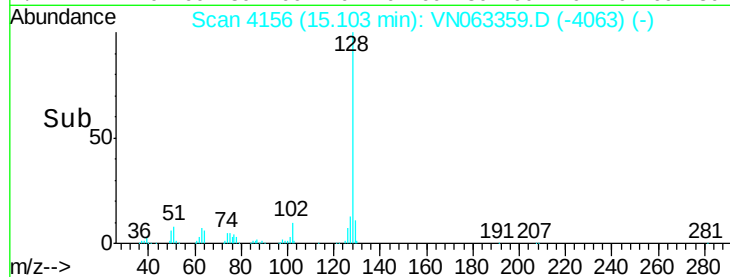
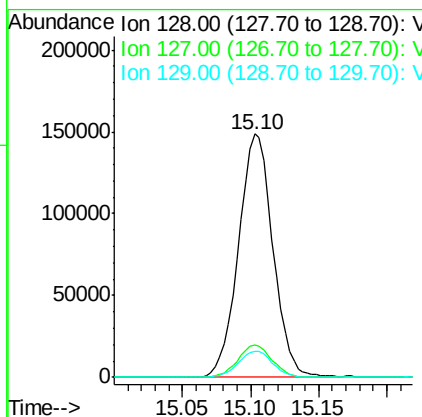
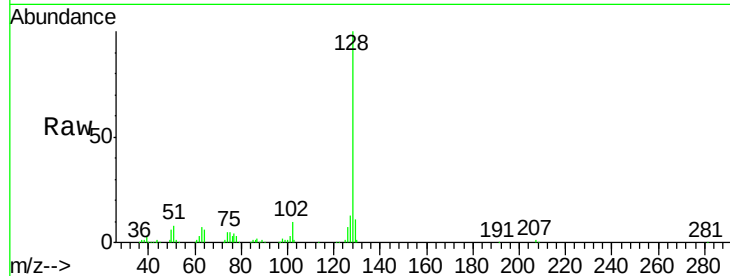
#95
Naphthalene
Concen: 20.116 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	260550
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:07:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.114 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063359.D
Acq: 16 Sep 2020 11:32

Tgt Ion:	180	Resp:	74306
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.7	140.1
145	33.7	16.8	50.3

