

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063412.D
 Acq On : 17 Sep 2020 12:26
 Operator : JC/MD
 Sample : VN0917WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 2:56:02 PM

Quant Time: Sep 18 03:08:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	258076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	448257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	223693	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.55	113	153635	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.06	98	587149	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.38	95	222122	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57322	19.606	ug/l	98
3) Chloromethane	2.04	50	71029	18.364	ug/l	99
4) Vinyl Chloride	2.16	62	69987	20.423	ug/l	100
5) Bromomethane	2.53	94	44811	22.024	ug/l	95
6) Chloroethane	2.68	64	41182	19.578	ug/l	97
7) Trichlorofluoromethane	2.99	101	103066	20.159	ug/l	97
8) Diethyl Ether	3.37	74	40065	20.102	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56299	19.580	ug/l	98
10) Methyl Iodide	3.91	142	73991	19.765	ug/l	99
11) Tert butyl alcohol	4.72	59	57640	94.708	ug/l #	89
12) 1,1-Dichloroethene	3.70	96	55794	19.158	ug/l	98
13) Acrolein	3.56	56	20422	90.547	ug/l	92
14) Allyl chloride	4.28	41	110760	19.227	ug/l	99
15) Acrylonitrile	4.93	53	155714	100.585	ug/l	98
16) Acetone	3.77	43	139248	98.626	ug/l	95
17) Carbon Disulfide	4.01	76	157775	18.625	ug/l	99
18) Methyl Acetate	4.28	43	71317	19.897	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	210773	19.418	ug/l	99
20) Methylene Chloride	4.50	84	69547	19.442	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	61231	18.976	ug/l	97
22) Diisopropyl ether	5.90	45	230039	19.580	ug/l	96
23) Vinyl Acetate	5.84	43	974935	101.040	ug/l	100
24) 1,1-Dichloroethane	5.80	63	125348	19.542	ug/l	99
25) 2-Butanone	6.78	43	214221	98.654	ug/l	100
26) 2,2-Dichloropropane	6.78	77	104030	18.421	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	71660	19.621	ug/l	96
28) Bromochloromethane	7.15	49	57533	19.426	ug/l	100
29) Tetrahydrofuran	7.16	42	145338	98.000	ug/l	99
30) Chloroform	7.33	83	125082	19.436	ug/l	98
31) Cyclohexane	7.61	56	113766	18.750	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	110806	19.359	ug/l	99
36) 1,1-Dichloropropene	7.75	75	93605	19.601	ug/l	98
37) Ethyl Acetate	6.88	43	87819	18.737	ug/l	98
38) Carbon Tetrachloride	7.73	117	93673	19.215	ug/l	94

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: Sep 18 03:08:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	101582	19.599	ug/l	97
40) Benzene	8.00	78	270345	19.831	ug/l	99
41) Methacrylonitrile	7.13	41	38631	18.326	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	107568	19.621	ug/l	100
43) Isopropyl Acetate	8.13	43	160622	19.165	ug/l	99
44) Trichloroethene	8.80	130	64651	19.553	ug/l	98
45) 1,2-Dichloropropane	9.08	63	74686	20.115	ug/l	98
46) Dibromomethane	9.17	93	49144	20.138	ug/l	99
47) Bromodichloromethane	9.37	83	100825	19.888	ug/l	99
48) Methyl methacrylate	9.17	41	79512	19.310	ug/l	98
49) 1,4-Dioxane	9.16	88	23280	393.979	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	478650	102.017	ug/l	100
52) Toluene	10.12	92	166345	20.295	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	113532	20.060	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	117264	19.643	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	66235	20.345	ug/l	96
56) Ethyl methacrylate	10.40	69	101145	19.901	ug/l	100
57) 1,3-Dichloropropane	10.68	76	117004	19.929	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	248604	93.246	ug/l	100
59) 2-Hexanone	10.72	43	345734	101.712	ug/l	99
60) Dibromochloromethane	10.87	129	72991	19.845	ug/l	98
61) 1,2-Dibromoethane	10.98	107	68007	20.107	ug/l	99
64) Tetrachloroethene	10.60	164	58358	20.743	ug/l	96
65) Chlorobenzene	11.41	112	173109	19.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	65415	20.347	ug/l	100
67) Ethyl Benzene	11.49	91	324378	19.640	ug/l	99
68) m/p-Xylenes	11.59	106	238531	40.055	ug/l	99
69) o-Xylene	11.92	106	115928	20.436	ug/l	98
70) Styrene	11.94	104	196546	20.660	ug/l	99
71) Bromoform	12.10	173	46518	19.423	ug/l #	97
73) Isopropylbenzene	12.22	105	311425	20.092	ug/l	99
74) N-amyl acetate	12.05	43	142715	19.451	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	97553	20.327	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	90681m	18.941	ug/l	
77) Bromobenzene	12.50	156	73365	21.042	ug/l	96
78) n-propylbenzene	12.57	91	360262	19.956	ug/l	100
79) 2-Chlorotoluene	12.65	91	217269	20.077	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	258812	20.025	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	32425	18.569	ug/l	98
82) 4-Chlorotoluene	12.75	91	226517	19.811	ug/l	100
83) tert-Butylbenzene	12.97	119	212320	19.904	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	269853	20.670	ug/l	99
85) sec-Butylbenzene	13.15	105	285439	19.990	ug/l	100
86) p-Isopropyltoluene	13.26	119	257290	20.429	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	126220	19.532	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	129368	19.690	ug/l	99
89) n-Butylbenzene	13.59	91	233810	20.141	ug/l	99
90) Hexachloroethane	13.85	117	45243	18.866	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	129360	20.389	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	22019	19.267	ug/l	94

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0917WBSD01

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	75480	20.180	ug/l	98
94) Hexachlorobutadiene	14.98	225	33814	21.838	ug/l	98
95) Naphthalene	15.10	128	240924	19.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	72962	20.189	ug/l	98

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

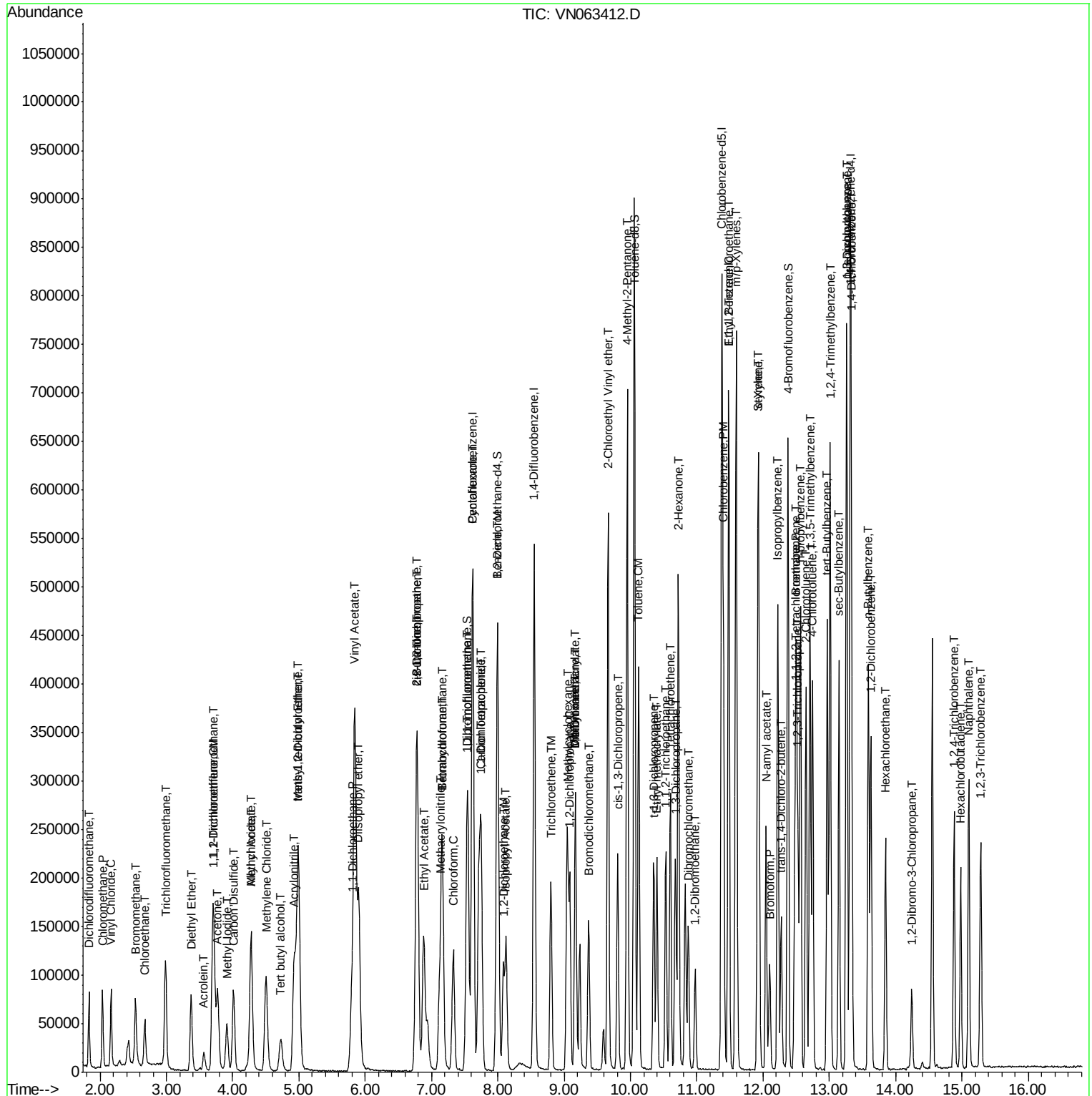
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Data File : VN063412.D
Acq On : 17 Sep 2020 12:26
Operator : JC/MD
Sample : VN0917WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

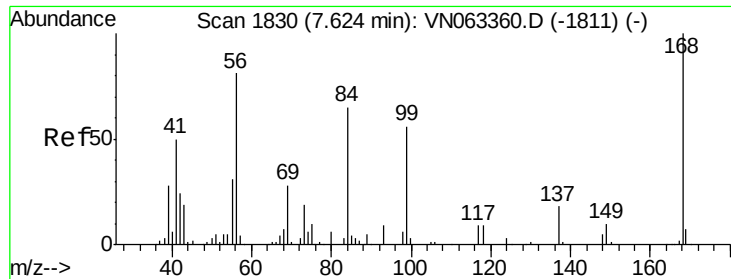
Instrument :
MSVOA_N
Client Sample Id :
VN0917WBSD01

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion:168 Resp: 258076

Ion Ratio Lower Upper

168 100

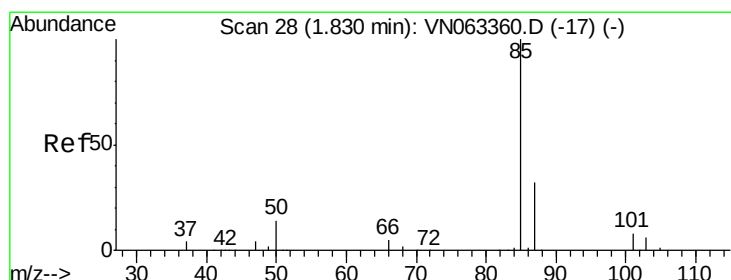
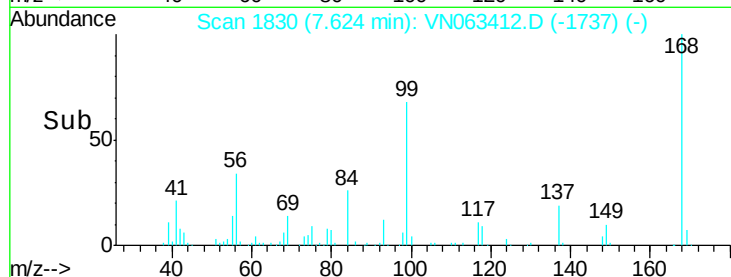
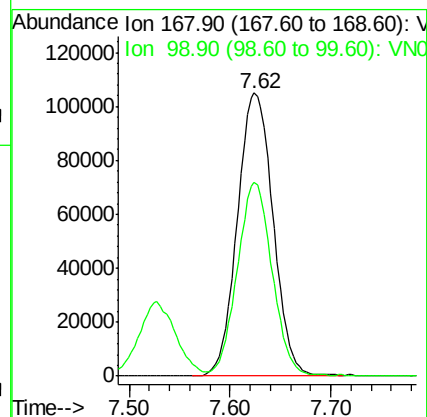
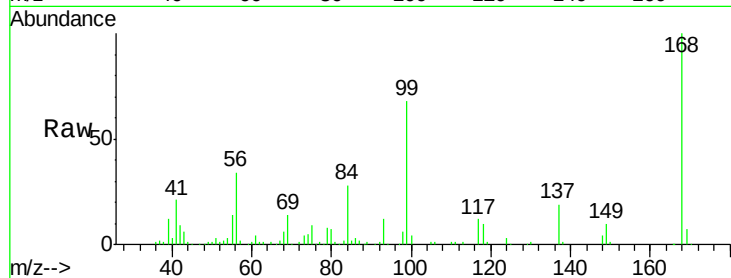
99 68.0 53.0 79.6

Manual Integrations

APPROVED

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9/18/2020 2:56:02 PM



#2

Dichlorodifluoromethane

Concen: 19.606 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063412.D

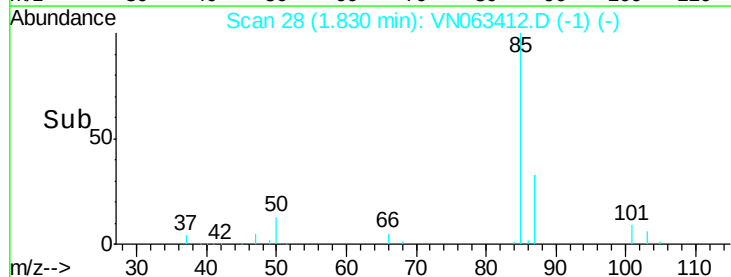
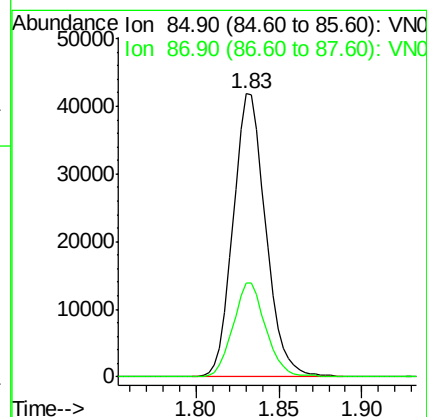
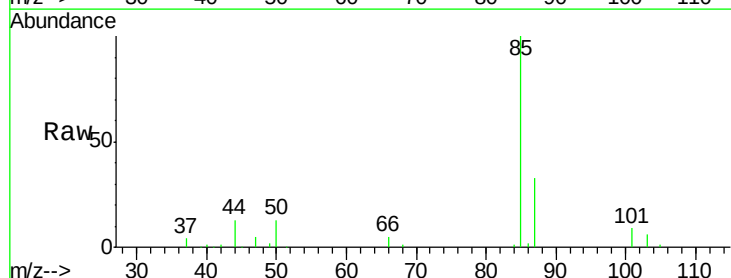
Acq: 17 Sep 2020 12:26

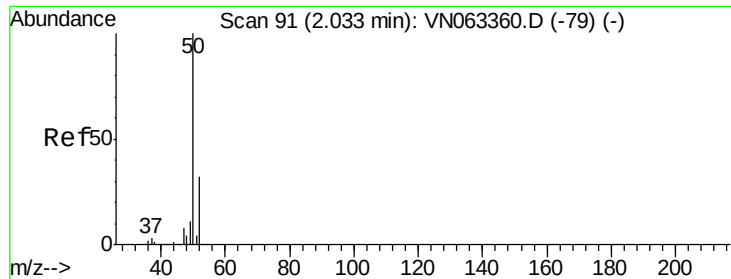
Tgt Ion: 85 Resp: 57322

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6





#3

Chloromethane

Concen: 18.364 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 50 Resp: 71029

Ion Ratio Lower Upper

50 100

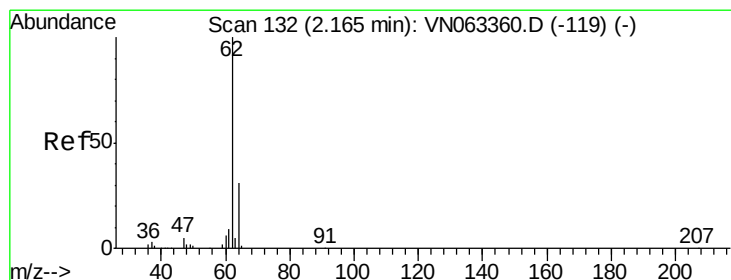
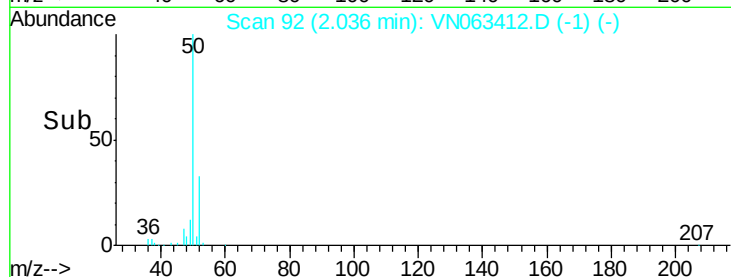
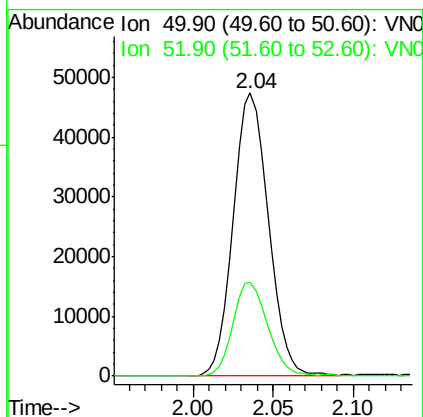
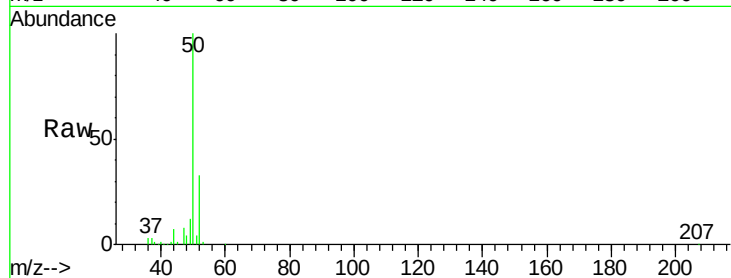
52 33.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.423 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063412.D

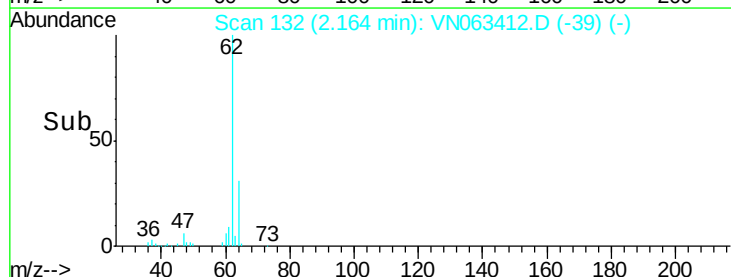
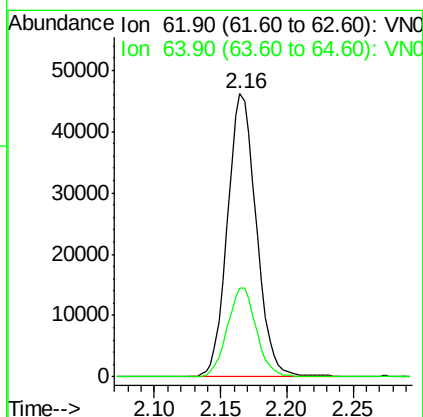
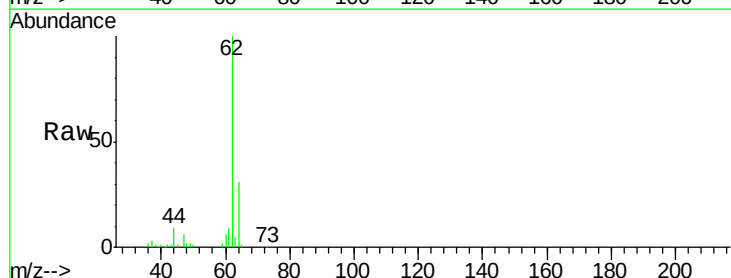
Acq: 17 Sep 2020 12:26

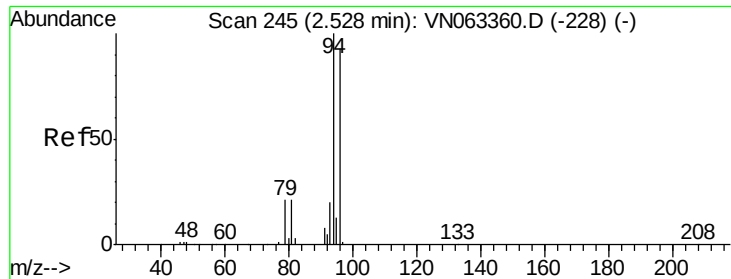
Tgt Ion: 62 Resp: 69987

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 22.024 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 94 Resp: 44811

Ion Ratio Lower Upper

94 100

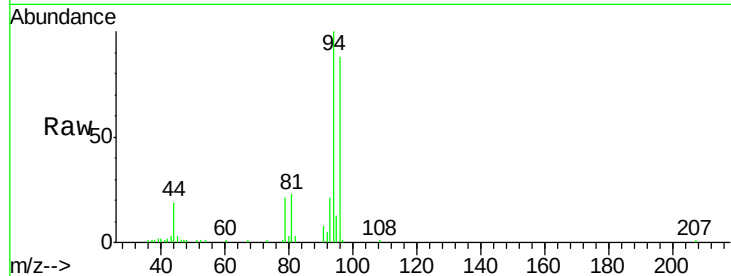
96 88.2 74.5 111.7

Manual Integrations

APPROVED

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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

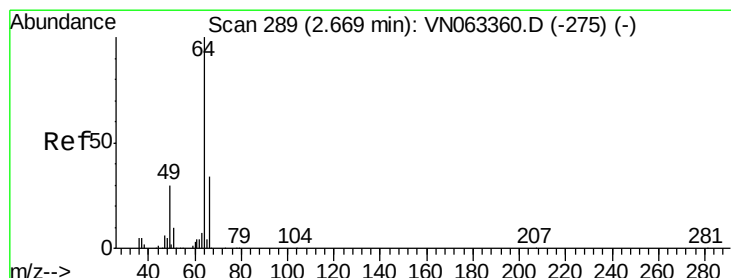
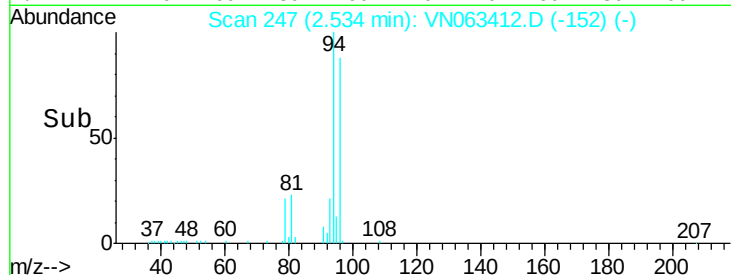
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.53



#6

Chloroethane

Concen: 19.578 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063412.D

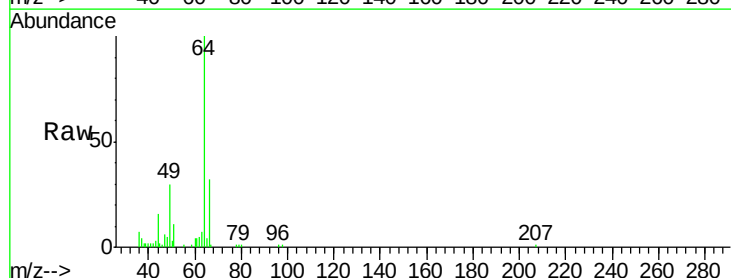
Acq: 17 Sep 2020 12:26

Tgt Ion: 64 Resp: 41182

Ion Ratio Lower Upper

64 100

66 31.7 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

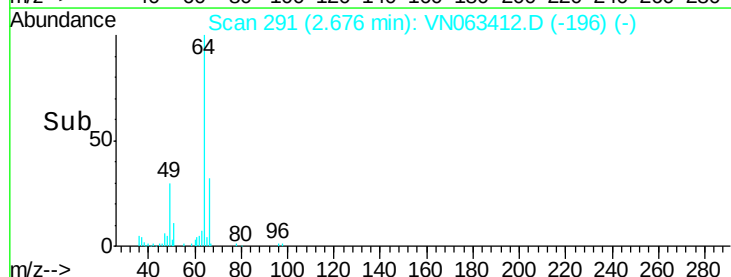
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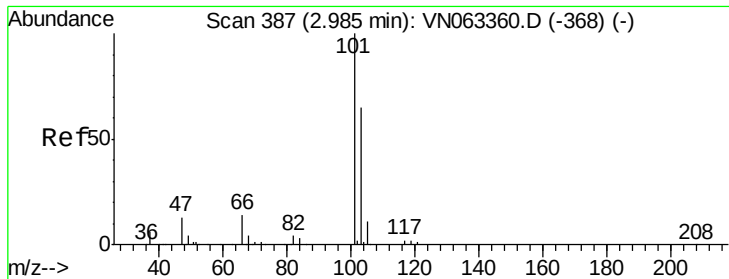
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Time-->

2.60 2.65 2.70 2.75

2.68





#7

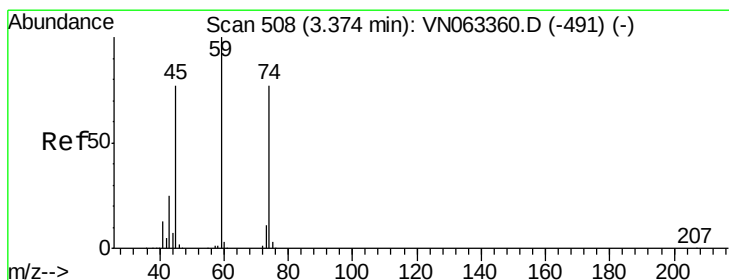
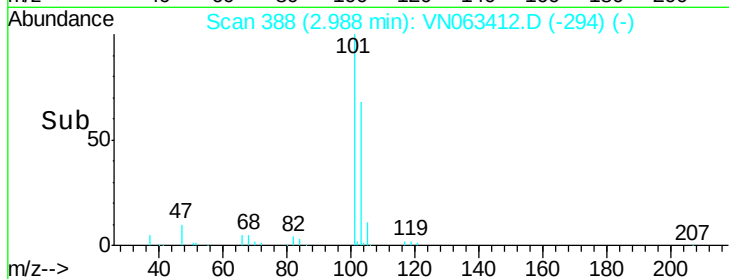
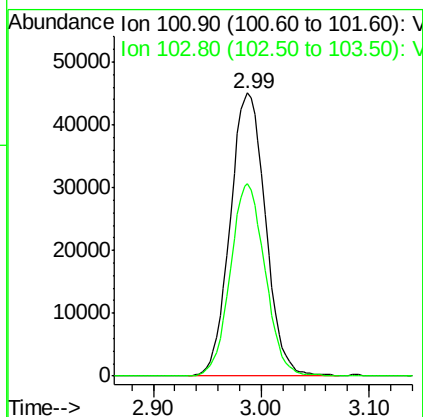
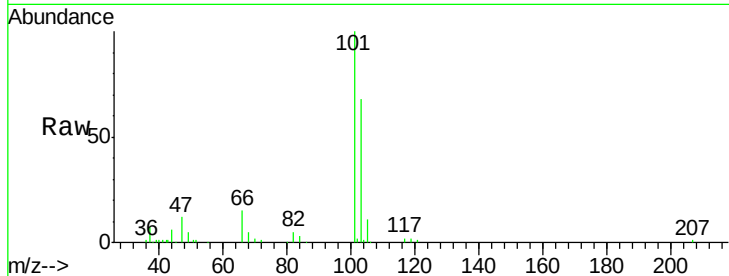
Trichlorofluoromethane
 Concen: 20.159 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	52.3	78.5

Manual Integrations
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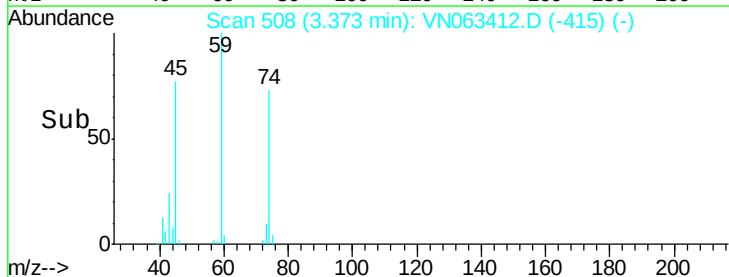
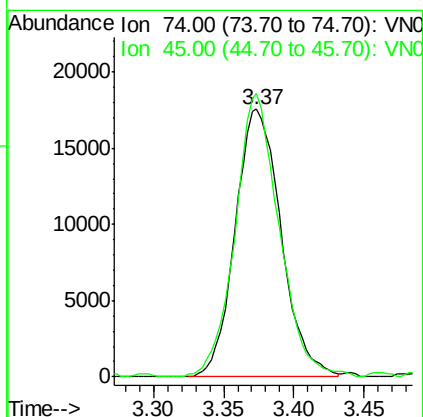
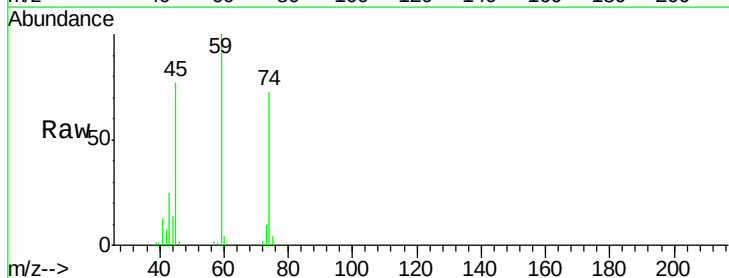
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 9/18/2020 2:56:02 PM

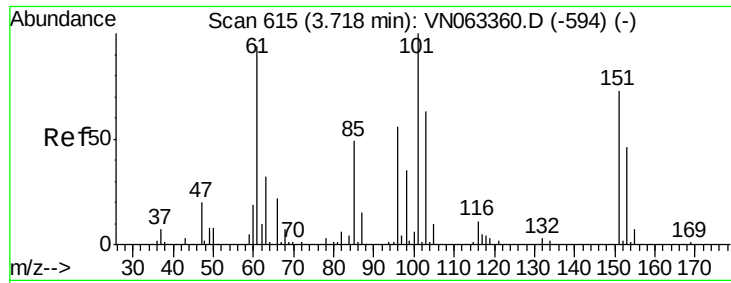


#8

Diethyl Ether
 Concen: 20.102 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.580 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

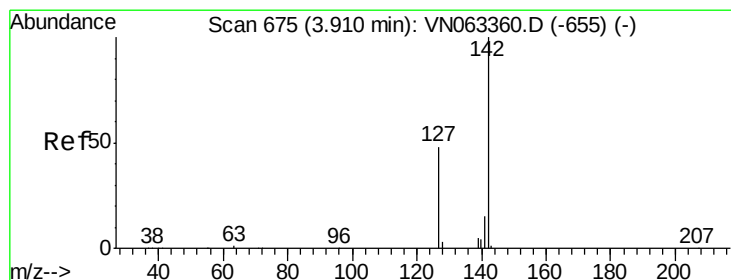
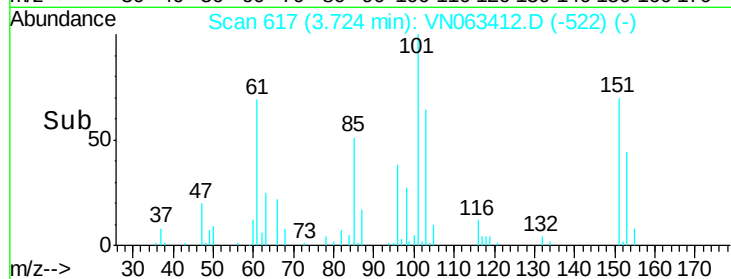
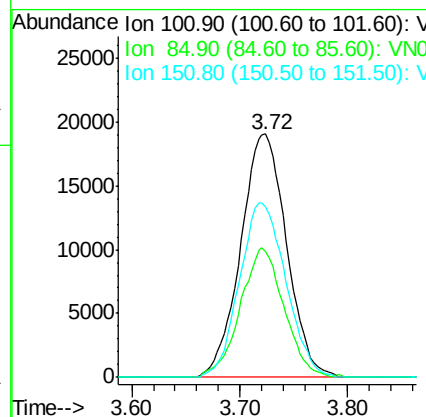
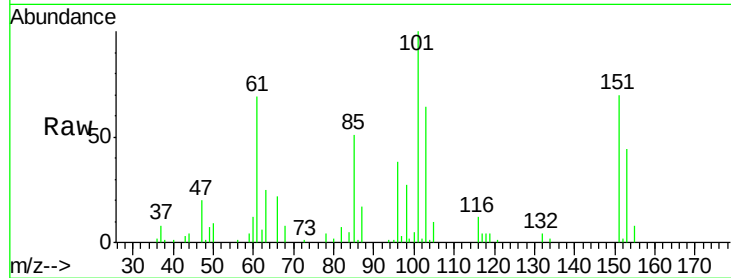
ClientSampleId :

VN0917WBSD01

Tot Ion:	101	Resp:	56299
Ion Ratio	Lower	Upper	
101	100		
85	50.6	37.7	56.5
151	72.4	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.765 ug/l

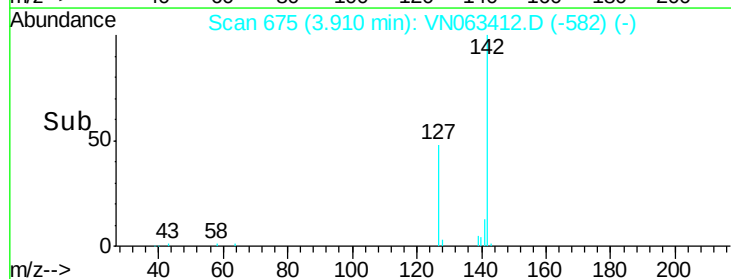
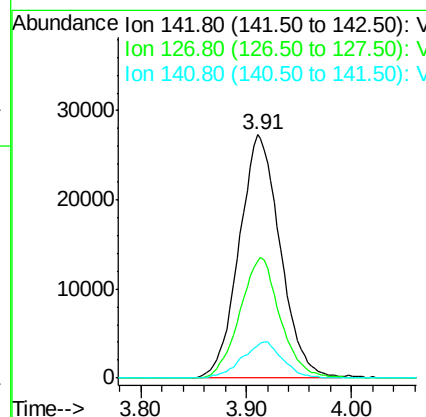
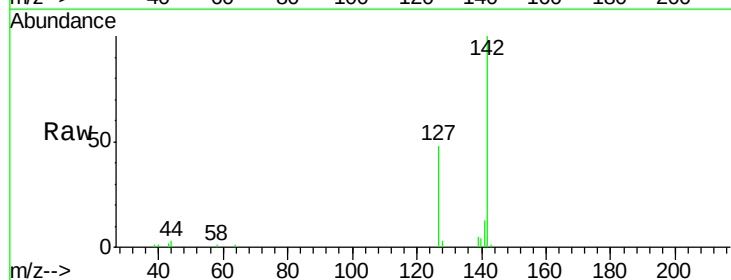
RT: 3.91 min Scan# 675

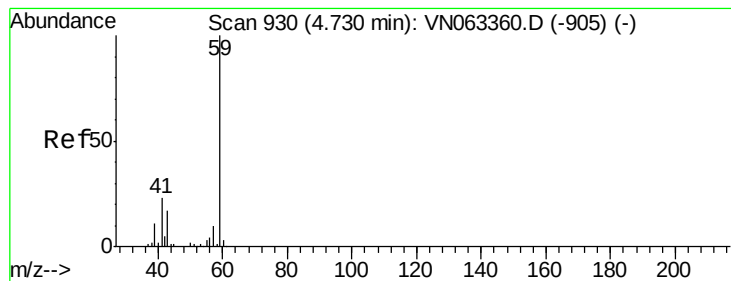
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	142	Resp:	73991
Ion Ratio	Lower	Upper	
142	100		
127	48.4	39.0	58.6
141	14.7	11.6	17.4





#11

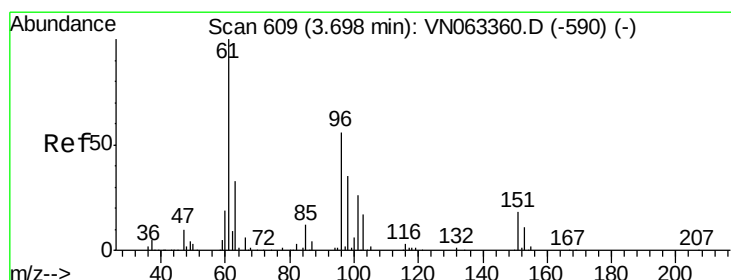
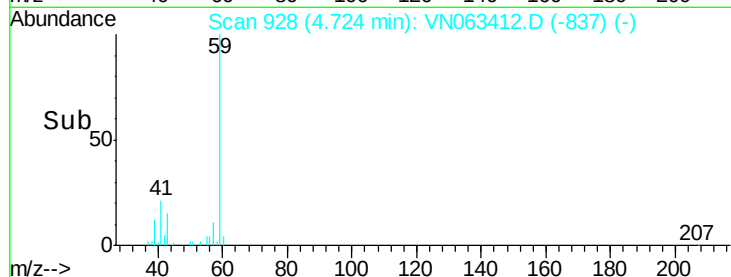
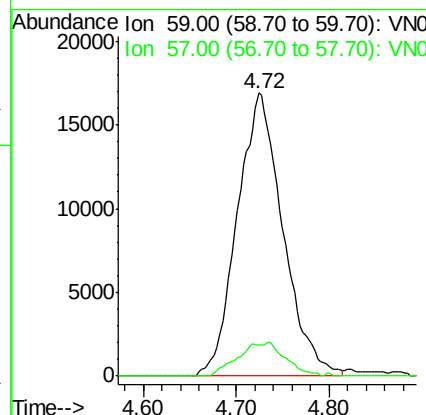
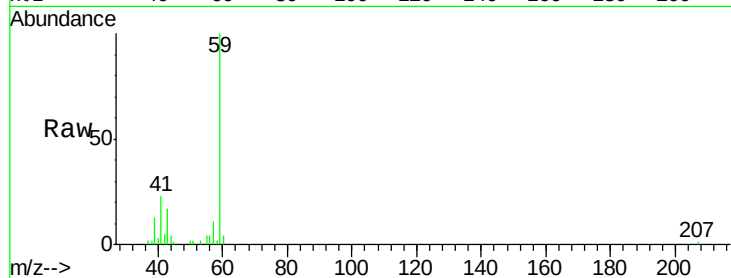
Tert butyl alcohol
Concen: 94.708 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	57640		
57	6.5		8.4	12.6#

Manual Integrations
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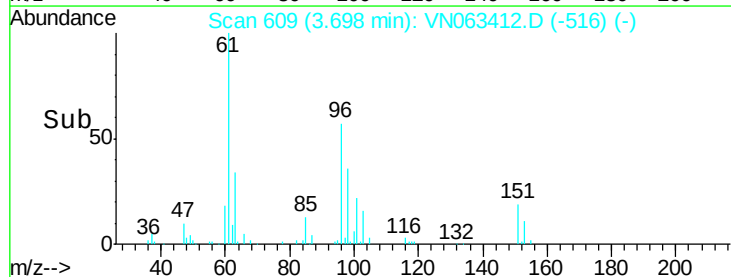
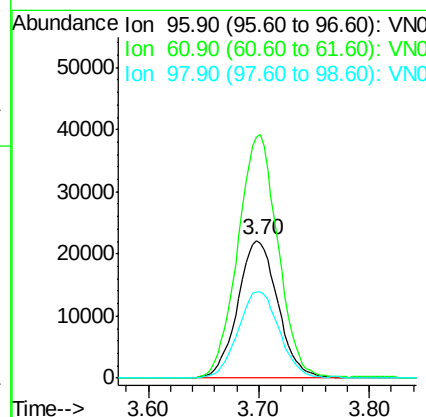
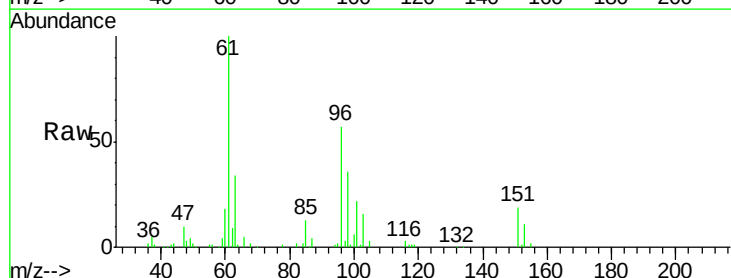
MMDadoda
9/18/2020 2:56:02 PM

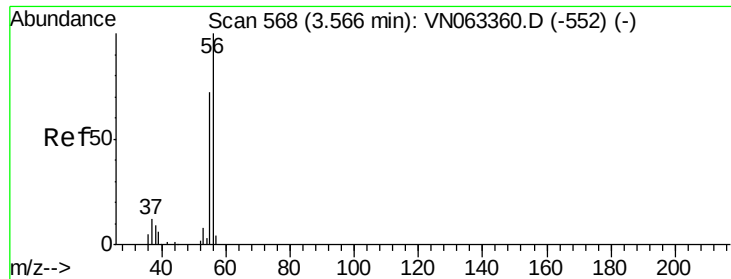


#12

1,1-Dichloroethene
Concen: 19.158 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	55794		
61	175.8		143.4	215.2
98	63.2		50.6	76.0





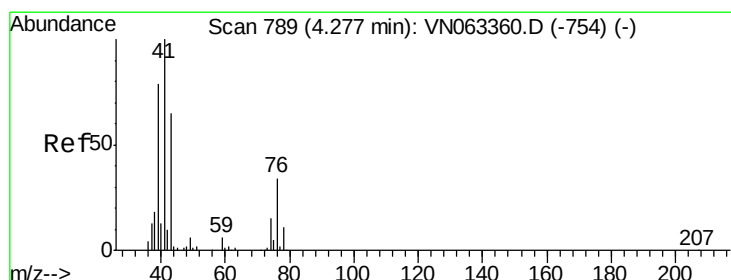
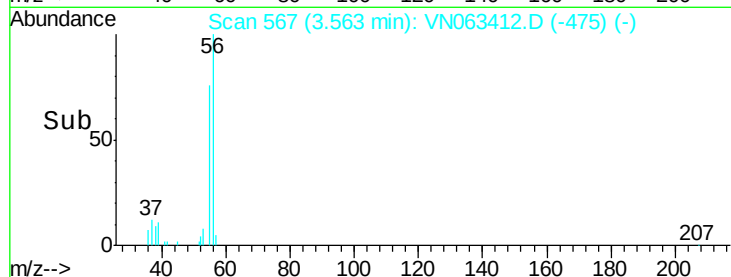
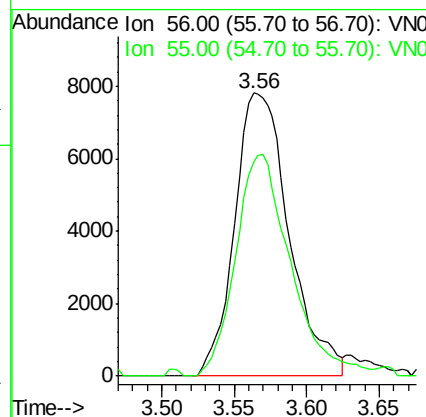
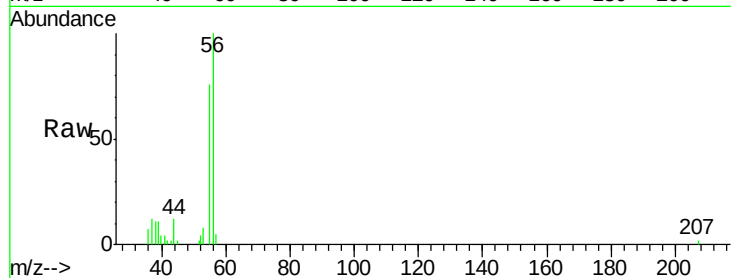
#13
Acrolein
Concen: 90.547 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	56	Resp	20422
Ion Ratio	Lower	Upper	
56	100		
55	79.1	58.2	87.2

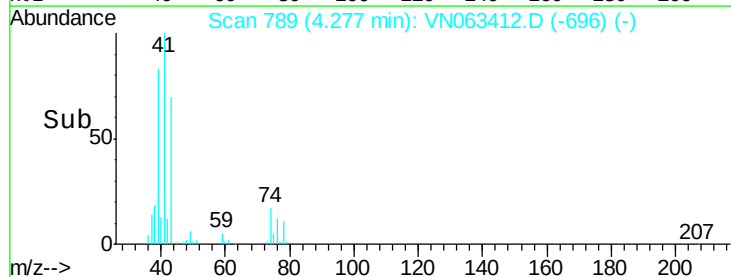
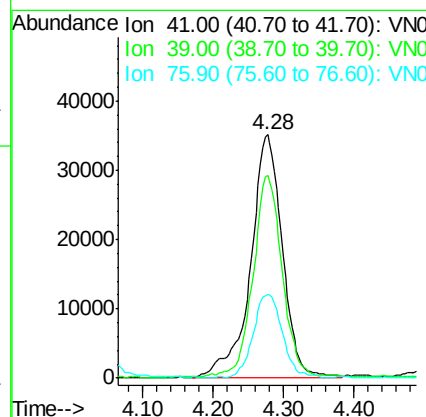
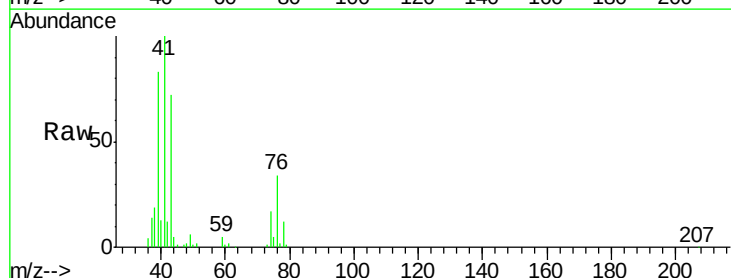
Manual Integrations
APPROVED

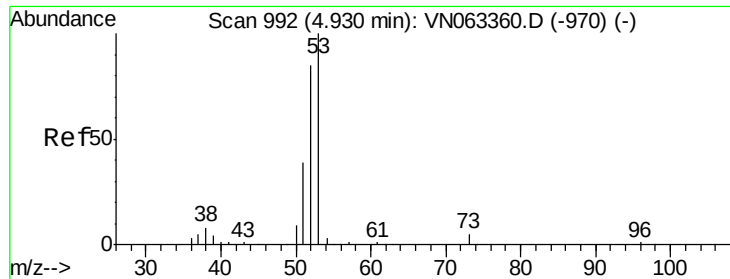
MMDadoda
9/18/2020 2:56:02 PM



#14
Allyl chloride
Concen: 19.227 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	41	Resp	110760
Ion Ratio	Lower	Upper	
41	100		
39	75.2	59.3	88.9
76	31.5	25.3	37.9





#15

Acrylonitrile

Concen: 100.585 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

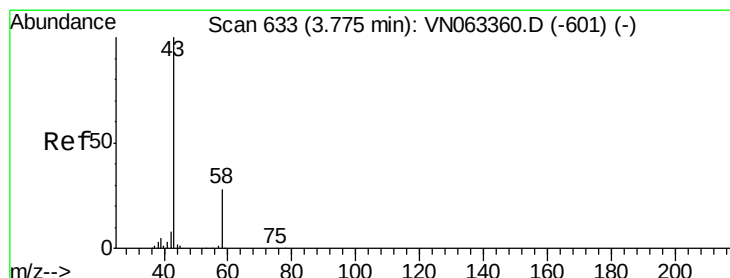
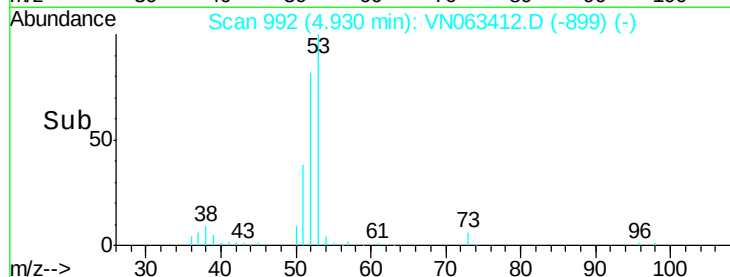
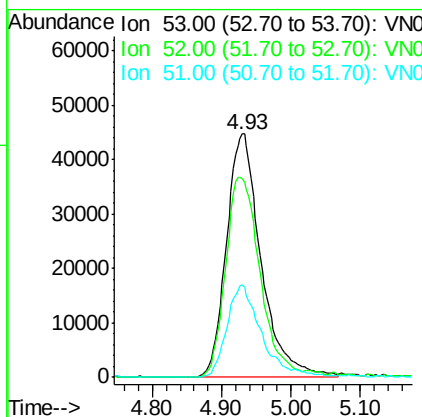
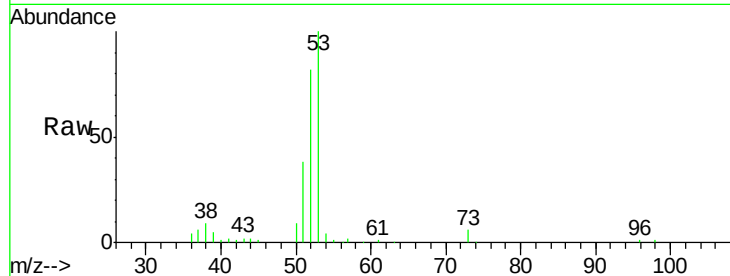
ClientSampleId :

VN0917WBSD01

Tot Ion:	53	Resp:	155714
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.1	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 98.626 ug/l

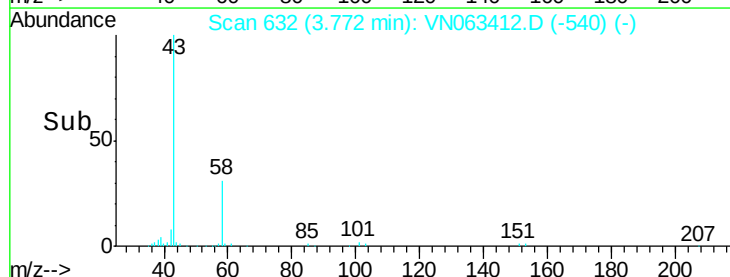
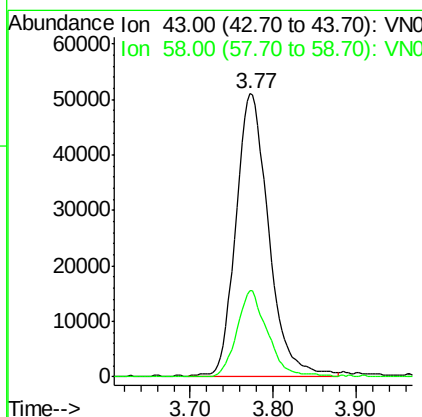
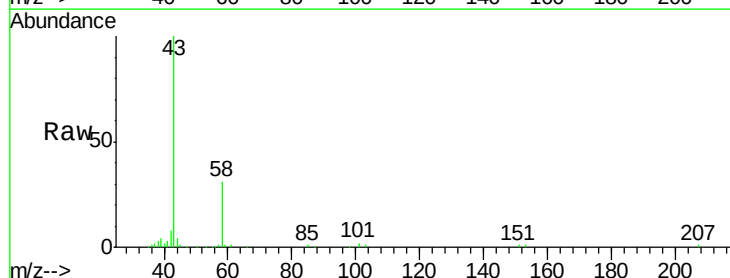
RT: 3.77 min Scan# 632

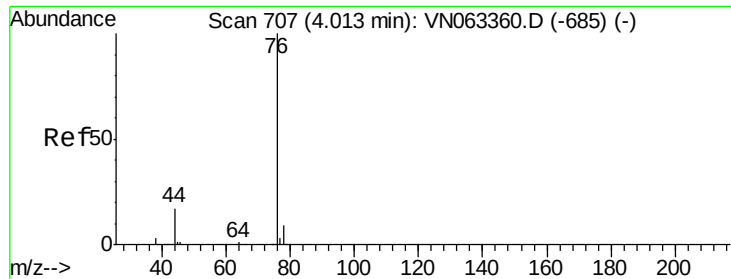
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	43	Resp:	139248
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.3	33.5





#17

Carbon Disulfide

Concen: 18.625 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 76 Resp: 157775

Ion Ratio Lower Upper

76 100

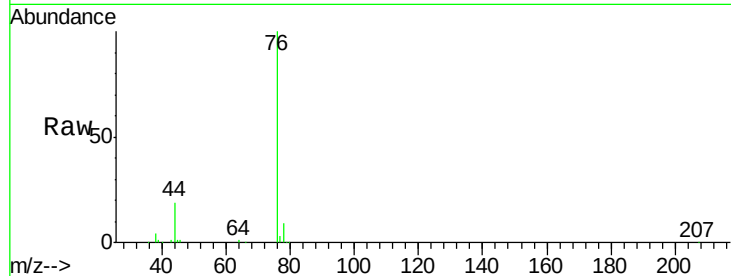
78 9.4 7.2 10.8

Manual Integrations

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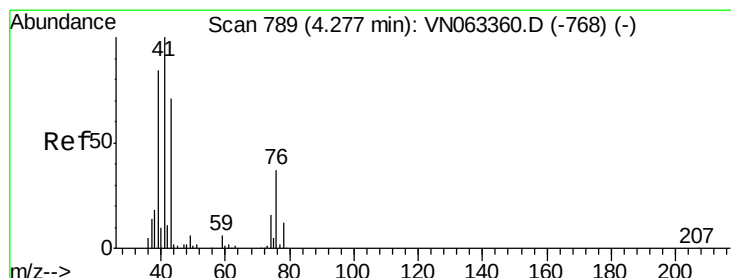
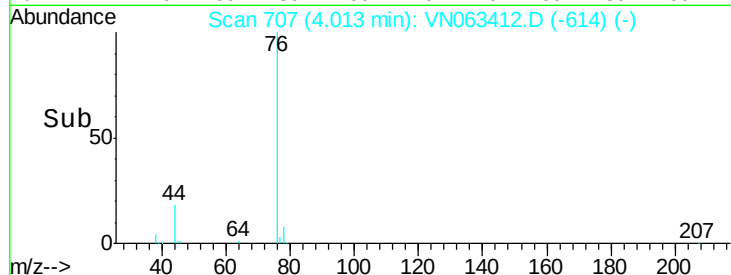
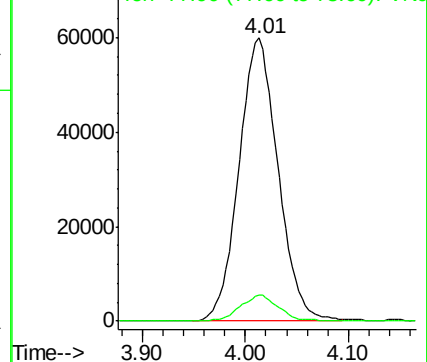
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.897 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063412.D

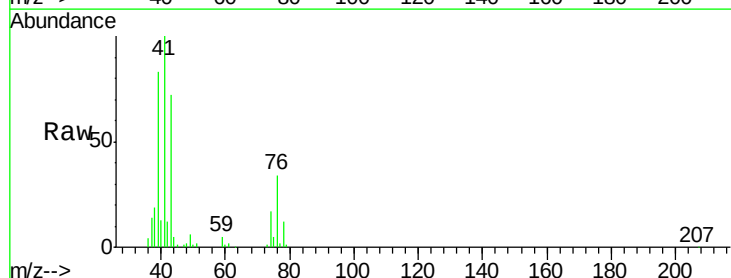
Acq: 17 Sep 2020 12:26

Tgt Ion: 43 Resp: 71317

Ion Ratio Lower Upper

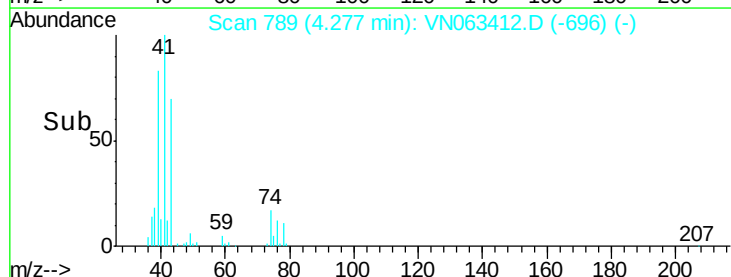
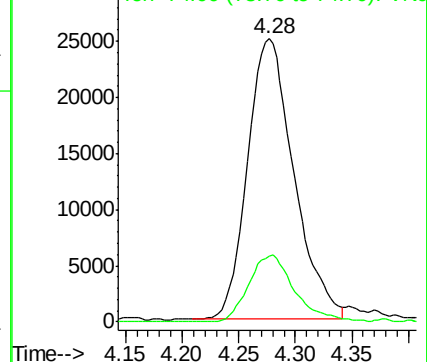
43 100

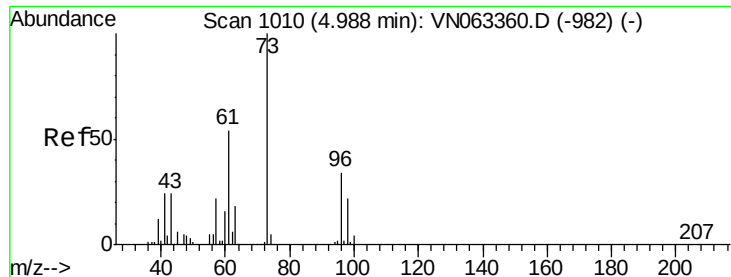
74 23.6 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





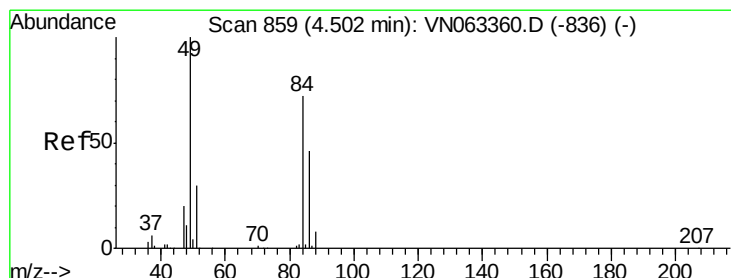
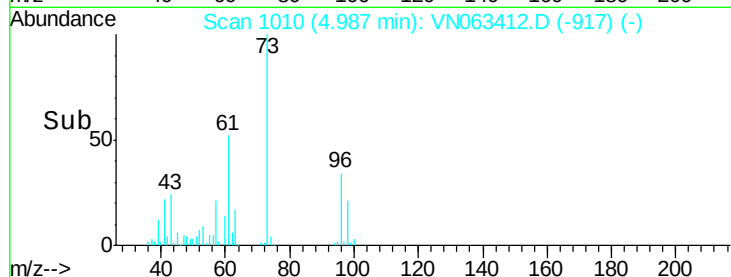
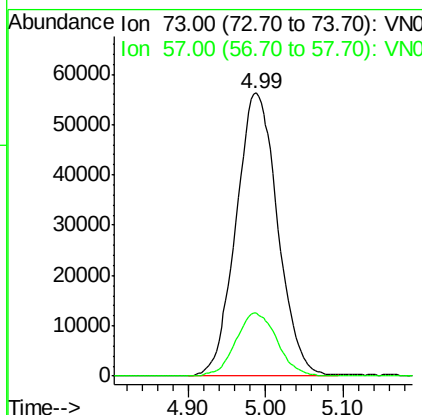
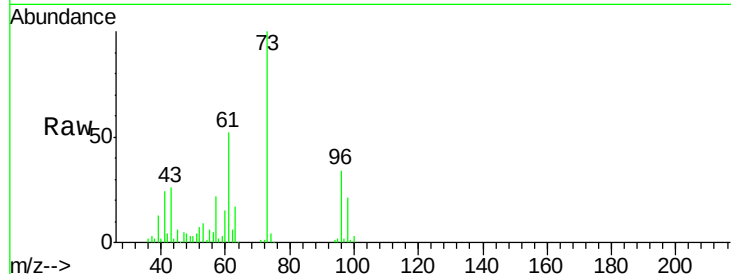
#19
Methvl tert-butvl Ether
Concen: 19.418 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion: 73 Resp: 210773
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

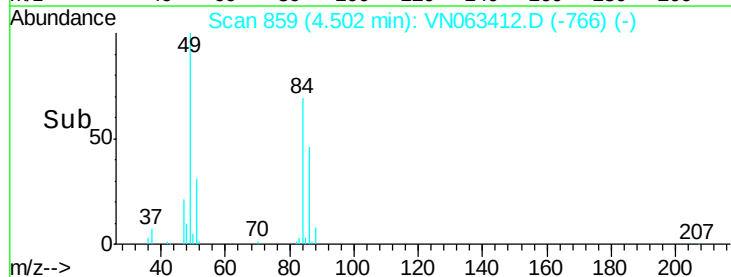
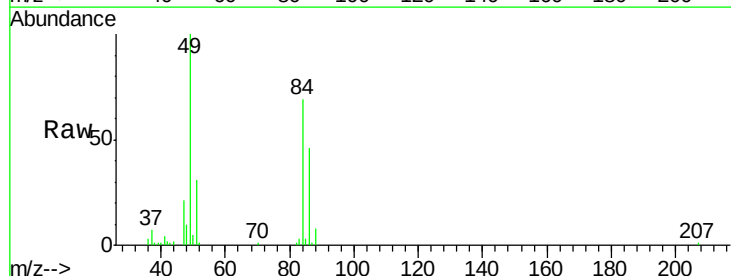
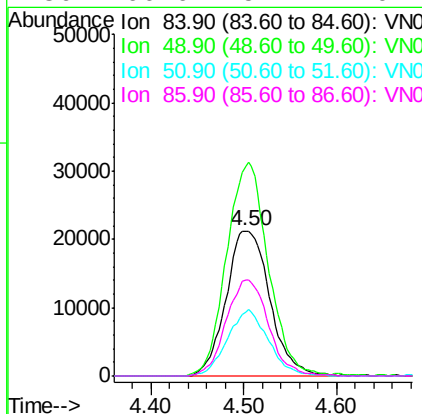
Manual Integrations
APPROVED

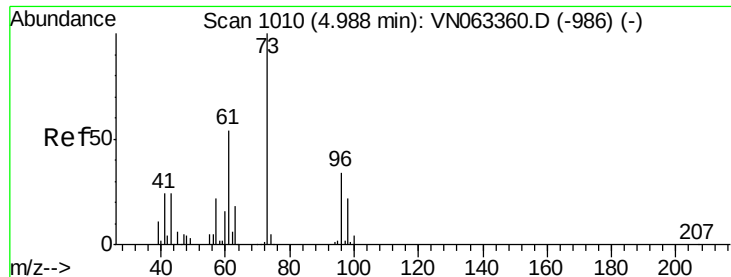
MMDadoda
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#20
Methylene Chloride
Concen: 19.442 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion: 84 Resp: 69547
Ion Ratio Lower Upper
84 100
49 144.5 110.7 166.1
51 44.6 32.9 49.3
86 66.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.976 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

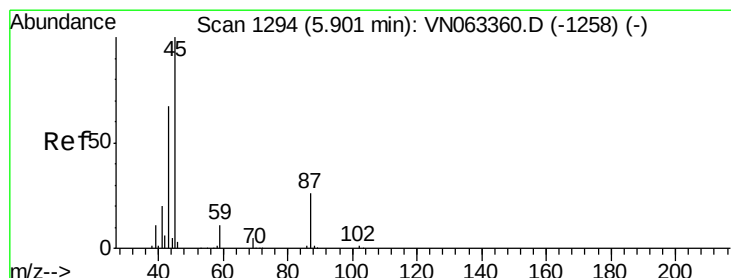
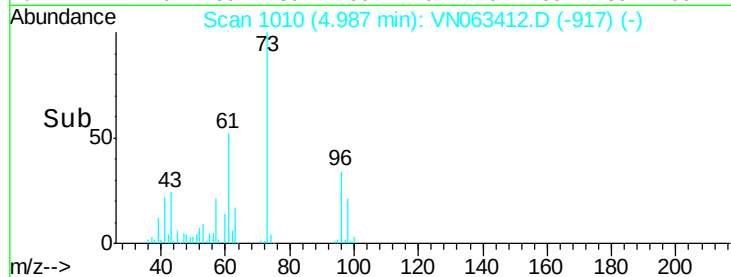
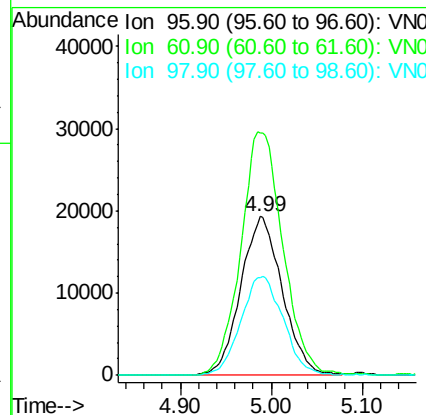
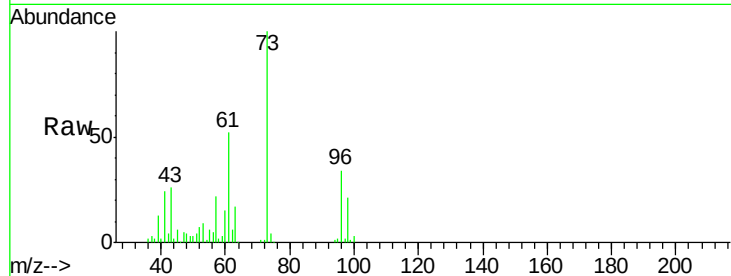
ClientSampleId :

VN0917WBSD01

Tot Ion:	96	Resp:	61231
Ion	Ratio	Lower	Upper
96	100		
61	152.8	126.2	189.4
98	61.6	51.0	76.4

Manual Integrations
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9/18/2020 2:56:02 PM



#22

Diisopropyl ether

Concen: 19.580 ug/l

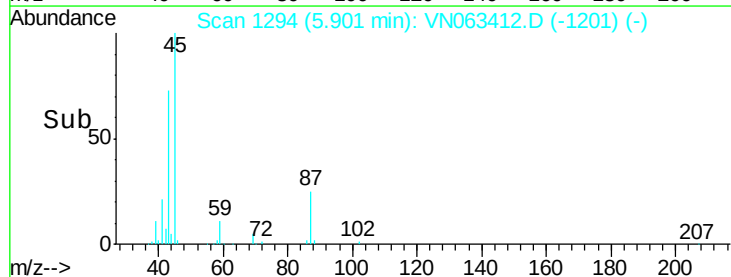
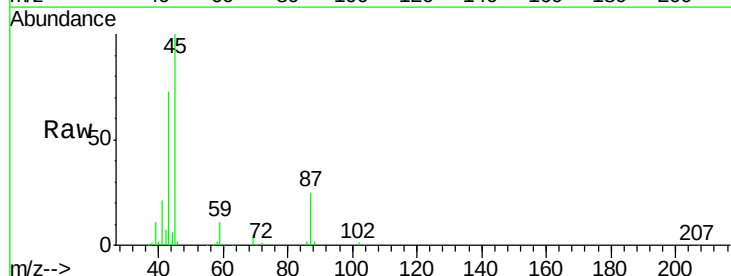
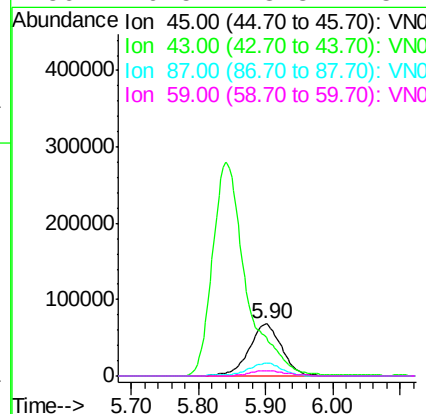
RT: 5.90 min Scan# 1294

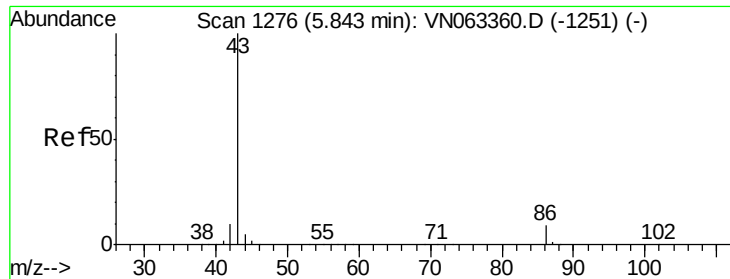
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	45	Resp:	230039
Ion	Ratio	Lower	Upper
45	100		
43	71.2	53.5	80.3
87	25.0	21.2	31.8
59	10.5	8.8	13.2





#23

Vinyl Acetate

Concen: 101.040 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 43 Resp: 974935

Ion Ratio Lower Upper

43 100

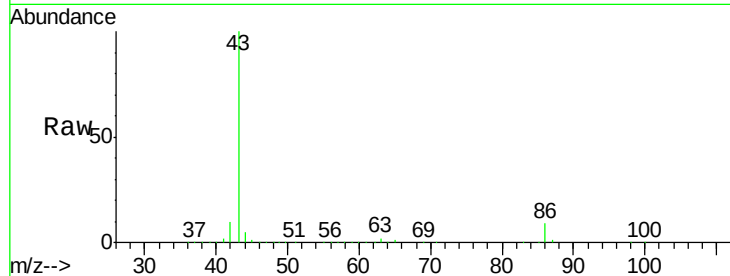
86 8.9 7.1 10.7

Manual Integrations

APPROVED

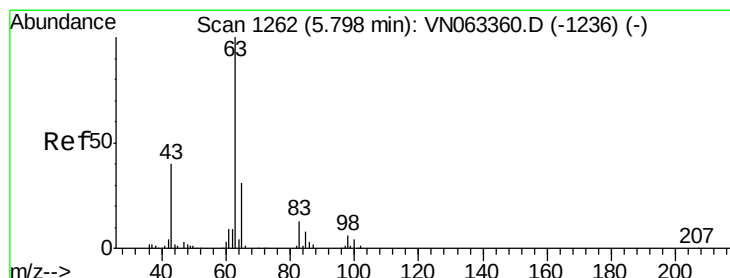
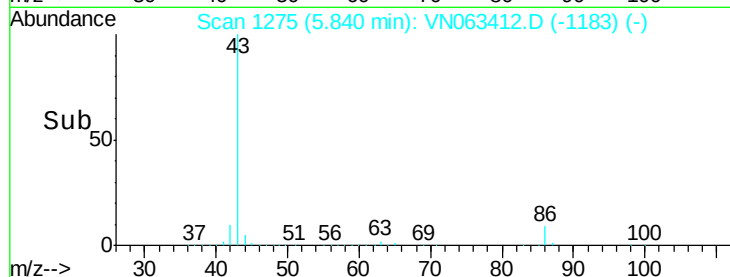
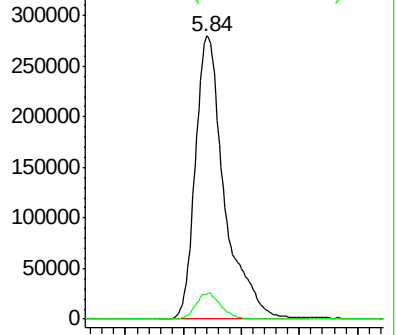
MMDadoda

9/18/2020 2:56:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.542 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

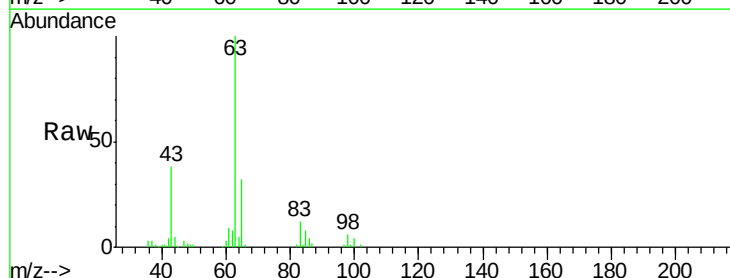
Tgt Ion: 63 Resp: 125348

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

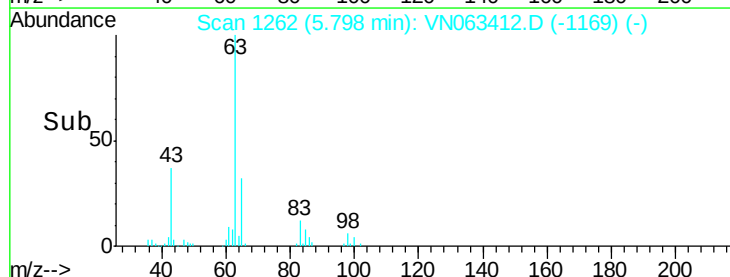
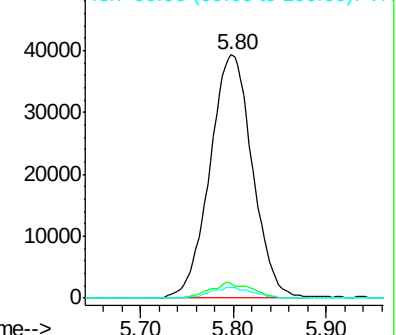
100 4.4 2.1 6.3

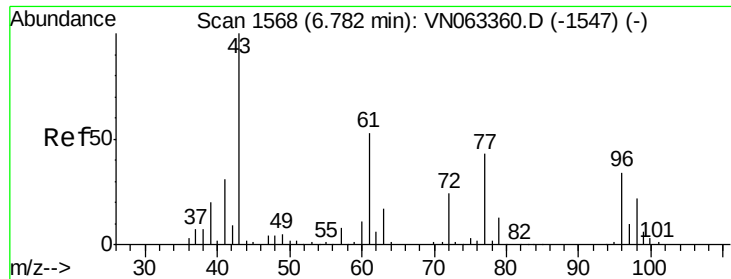


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 98.654 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 43 Resp: 214221

Ion Ratio Lower Upper

43 100

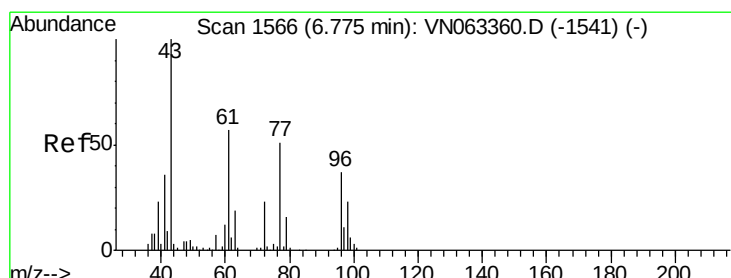
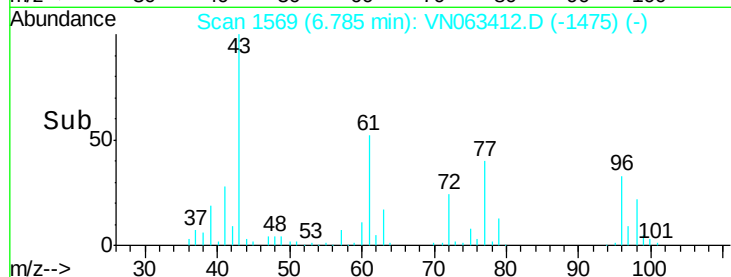
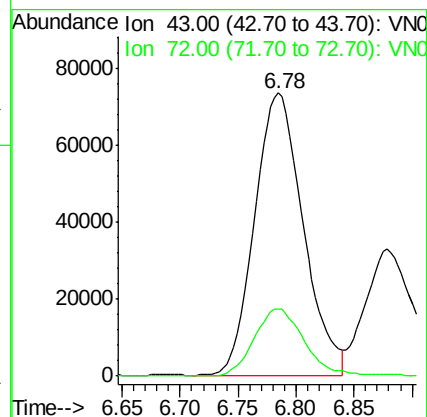
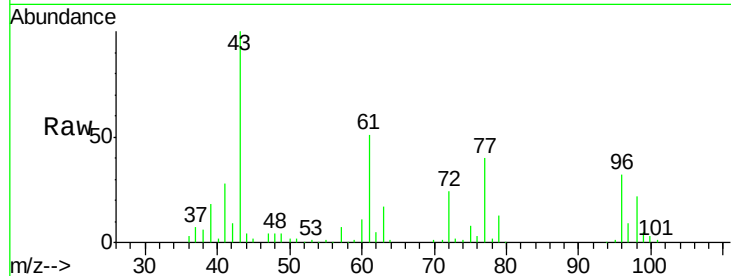
72 24.0 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.421 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063412.D

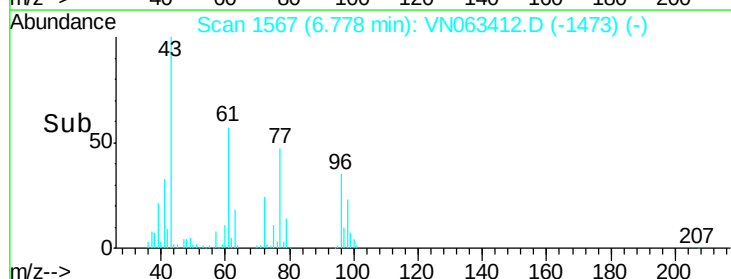
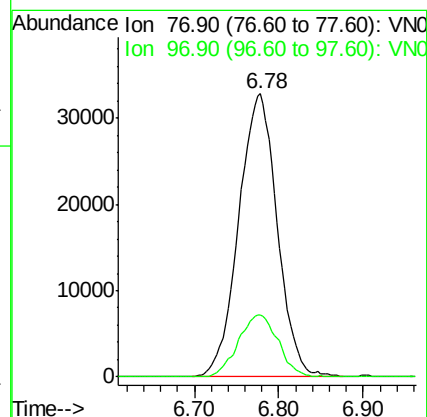
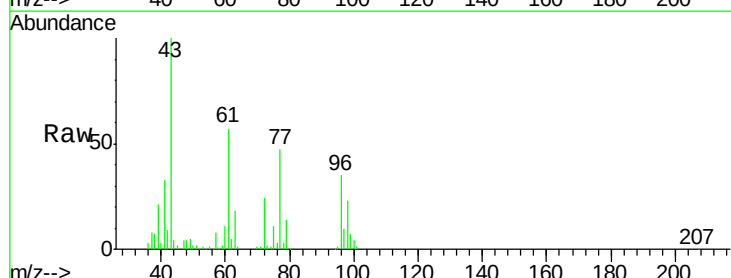
Acq: 17 Sep 2020 12:26

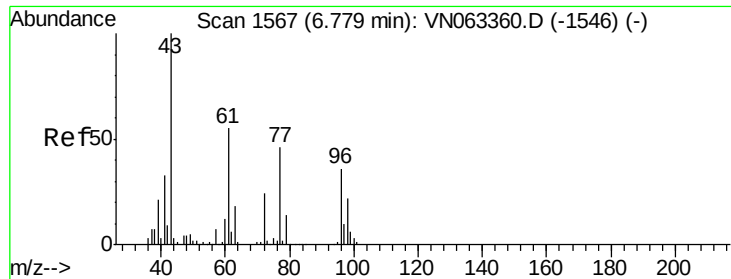
Tgt Ion: 77 Resp: 104030

Ion Ratio Lower Upper

77 100

97 22.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.621 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063412.D

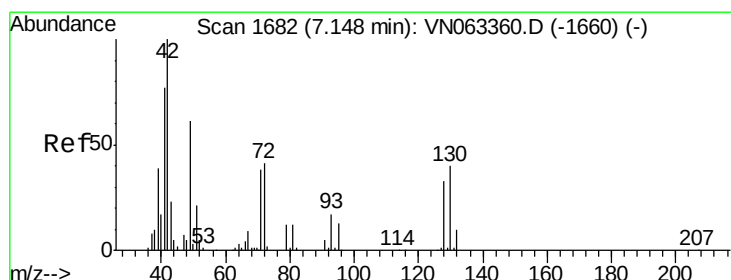
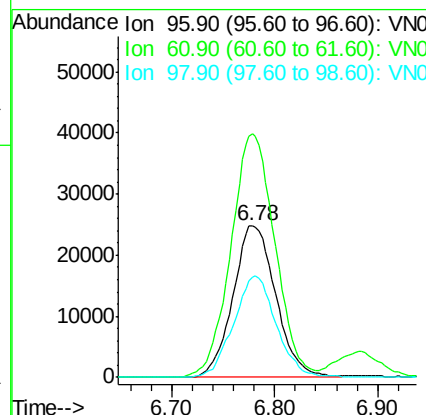
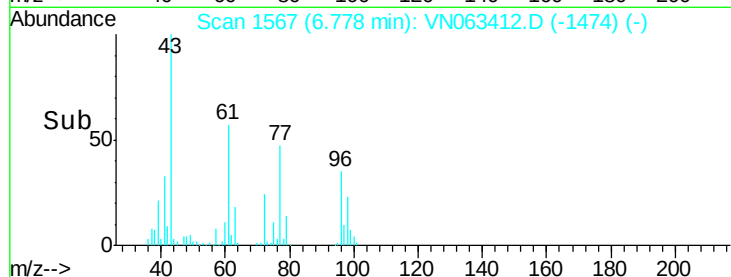
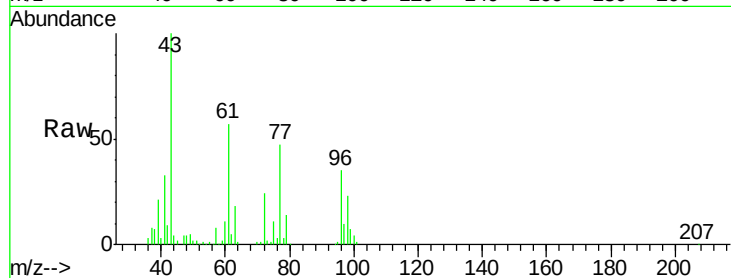
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleID :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.0	0.0	319.6
98	66.4	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 19.426 ug/l

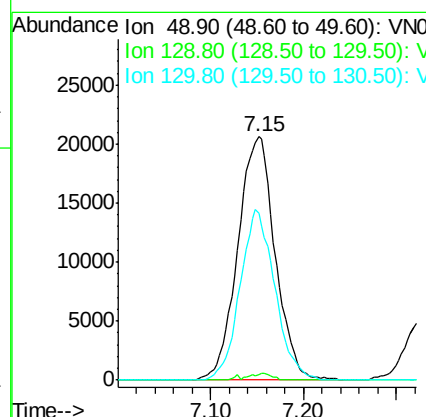
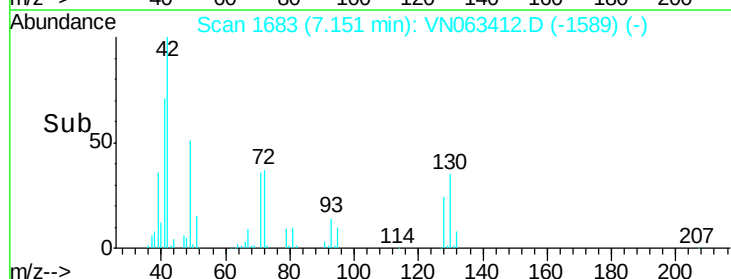
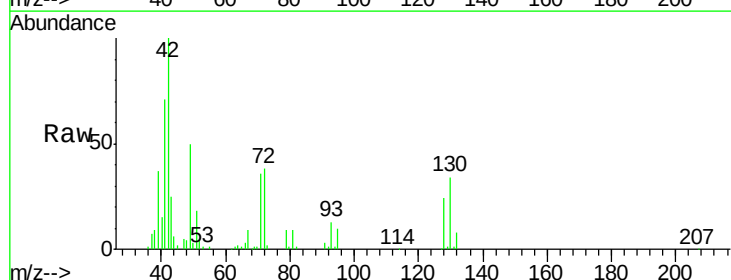
RT: 7.15 min Scan# 1683

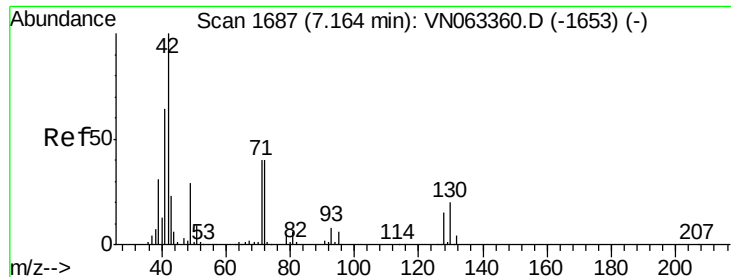
Delta R.T. 0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	65.3	52.2	78.2





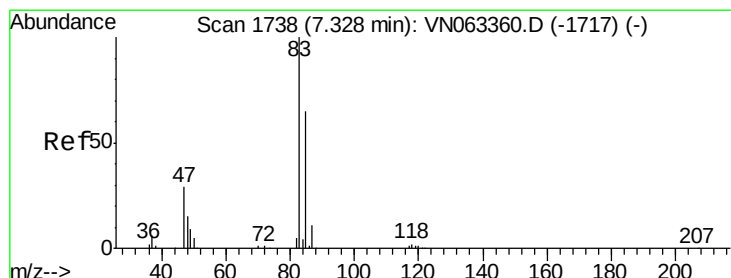
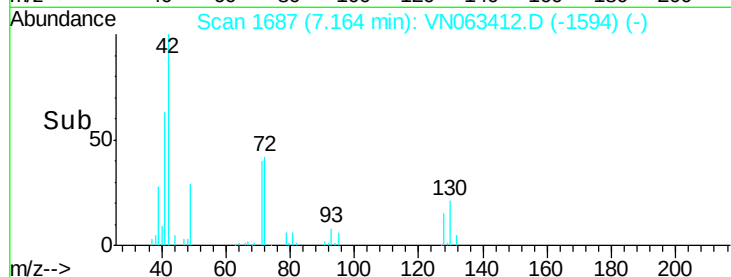
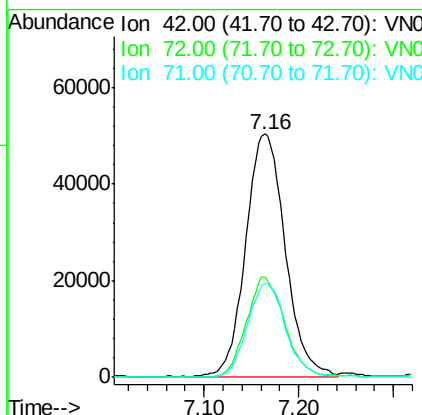
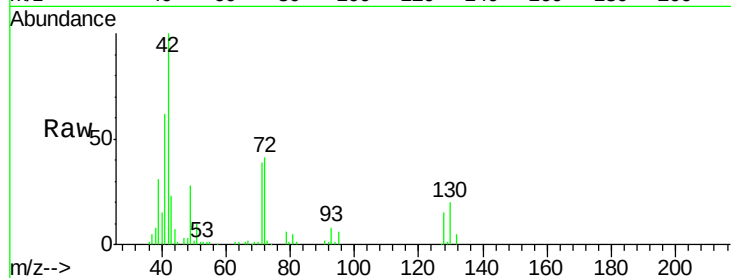
#29
Tetrahydrofuran
Concen: 98.000 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.1	48.1
71	37.7	31.2	46.8

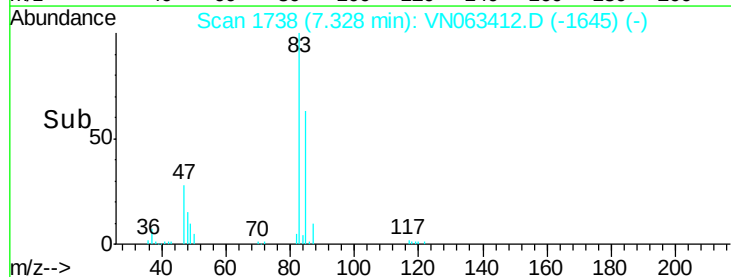
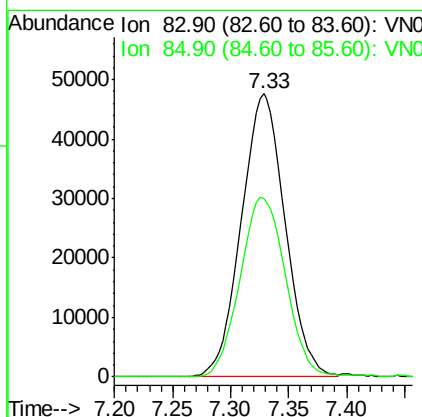
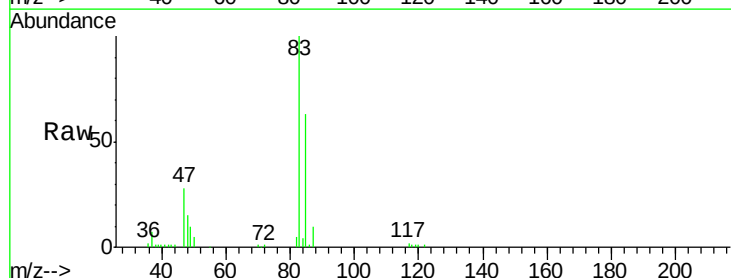
Manual Integrations
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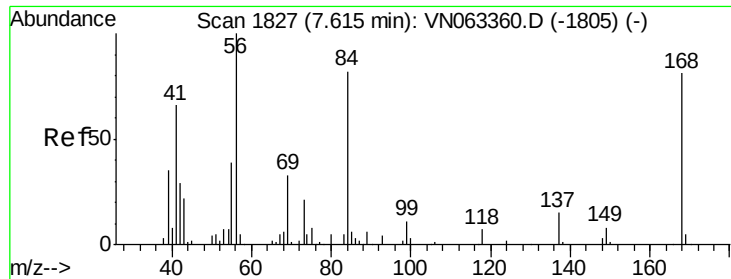
MMDadoda
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#30
Chloroform
Concen: 19.436 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1





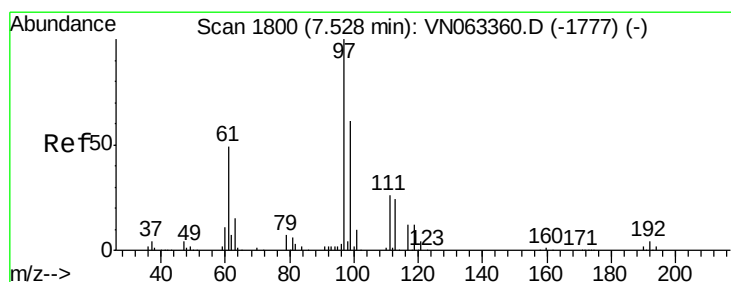
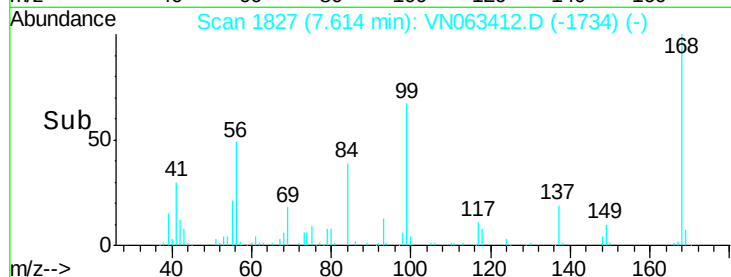
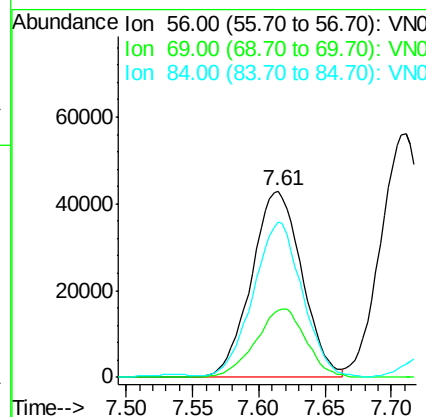
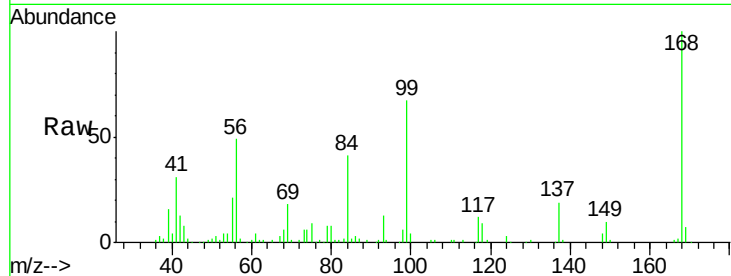
#31
Cyclohexane
Concen: 18.750 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	113766		
69	36.2	26.1	39.1	
84	82.3	65.4	98.2	

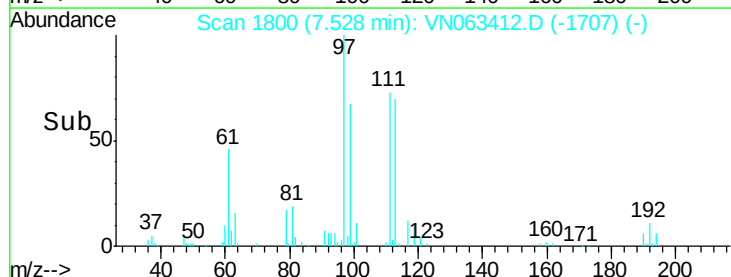
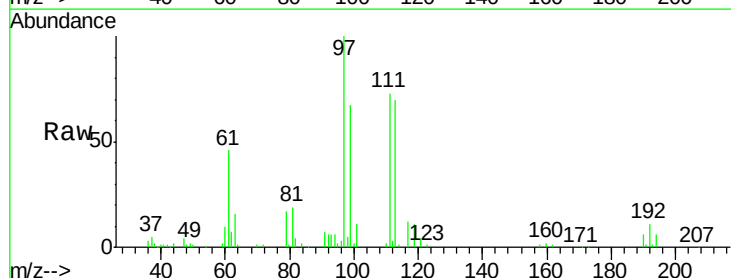
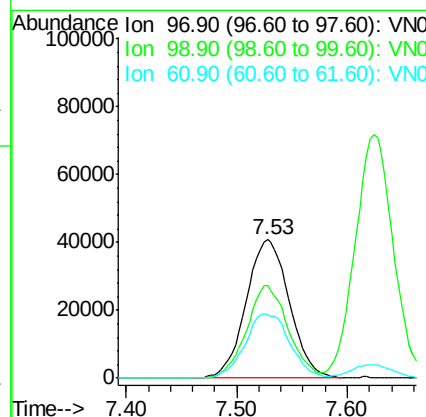
Manual Integrations
APPROVED

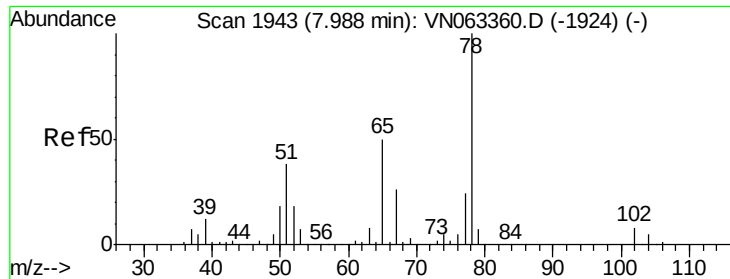
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.359 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	110806		
99	64.2	50.6	76.0	
61	48.1	39.2	58.8	





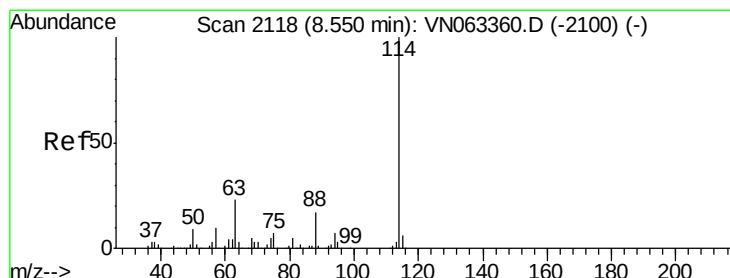
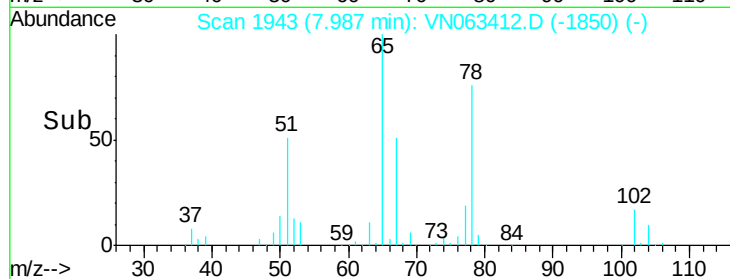
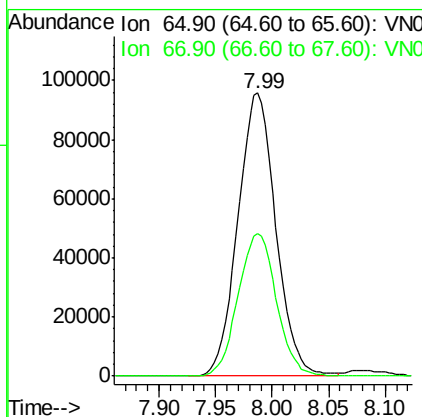
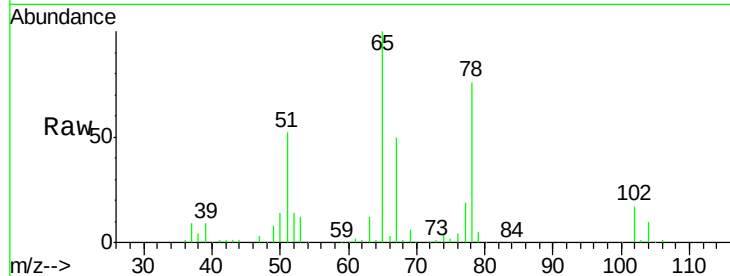
#33
 1,2-Dichloroethane-d4
 Concen: 50.919 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	223693		
67	50.8	0.0	104.2	

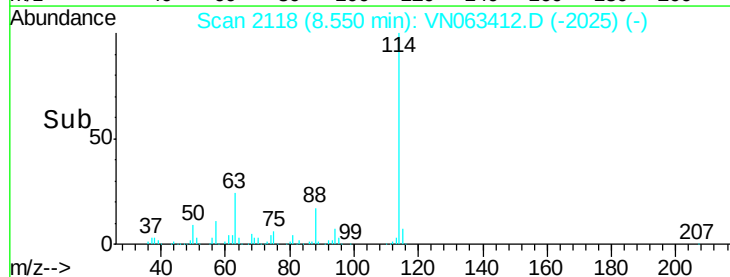
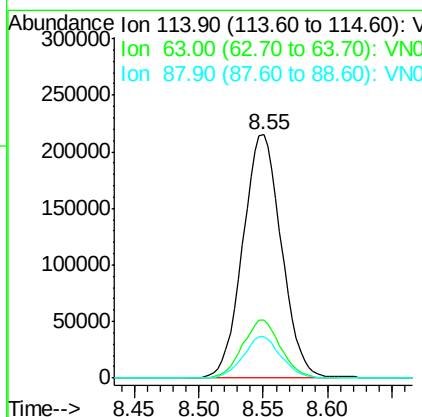
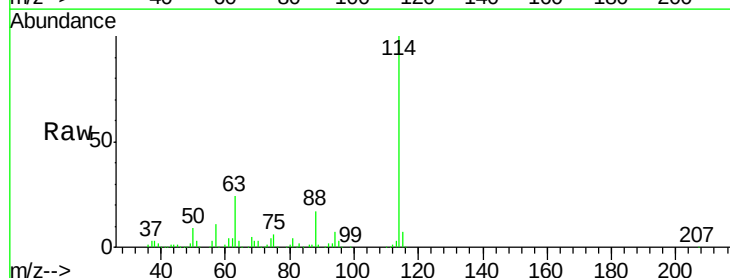
Manual Integrations
 APPROVED

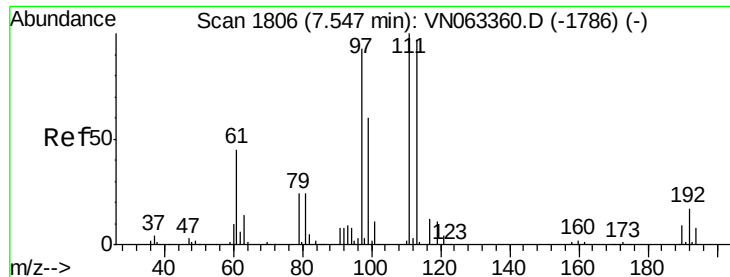
MMDadoda
 9/18/2020 2:56:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448257		
63	24.0	0.0	46.4	
88	17.2	0.0	33.2	





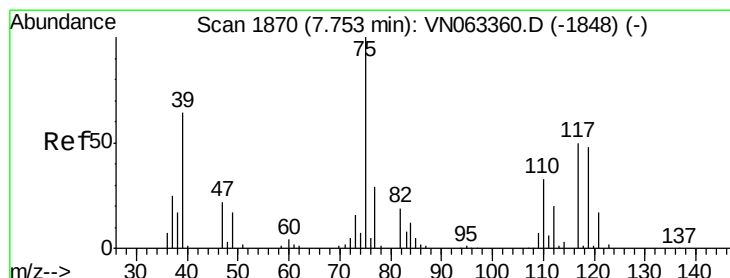
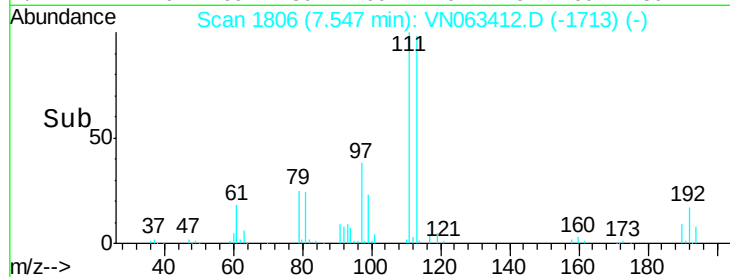
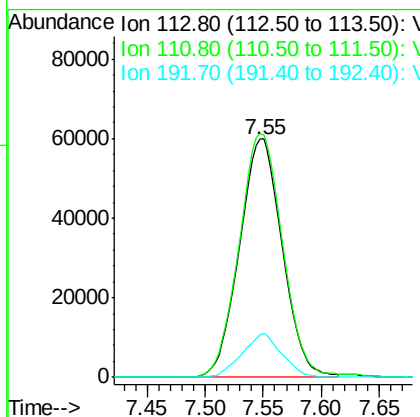
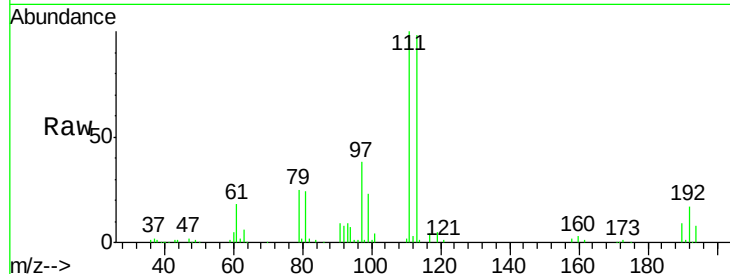
#35
 Dibromofluoromethane
 Concen: 49.509 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	82.9	124.3	
192	17.0	13.9	20.9	

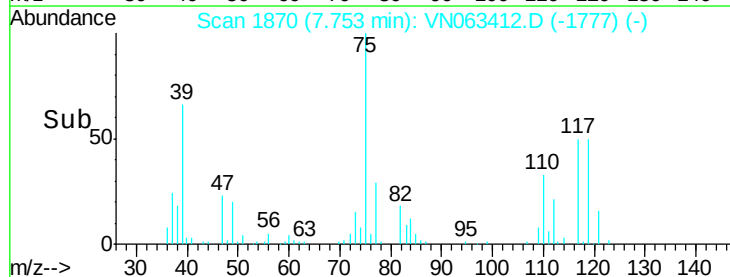
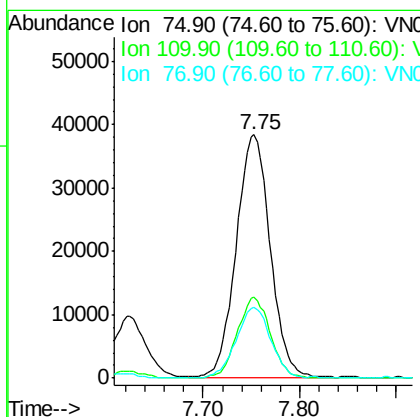
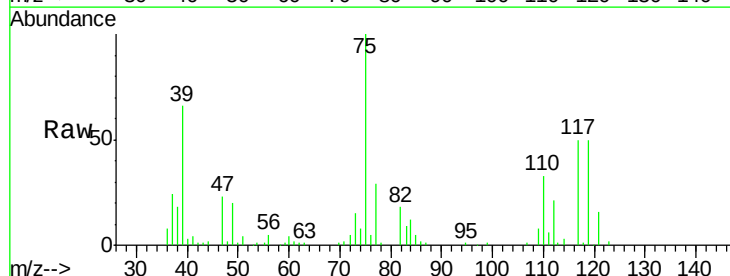
Manual Integrations
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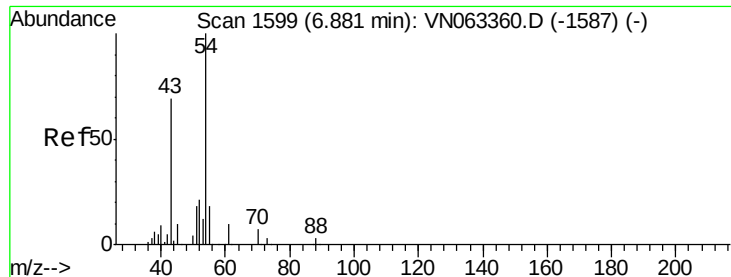
MMDadoda
 9/18/2020 2:56:02 PM



#36
 1,1-Dichloropropene
 Concen: 19.601 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.3	16.5	49.5	
77	29.8	24.6	36.8	





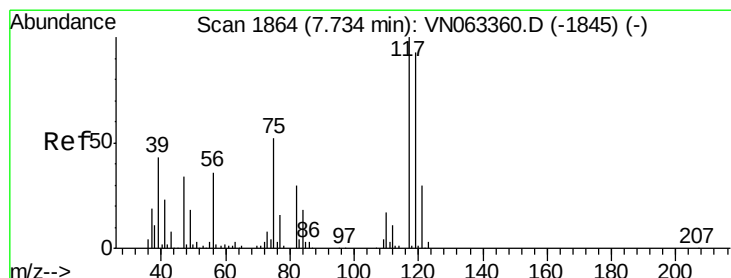
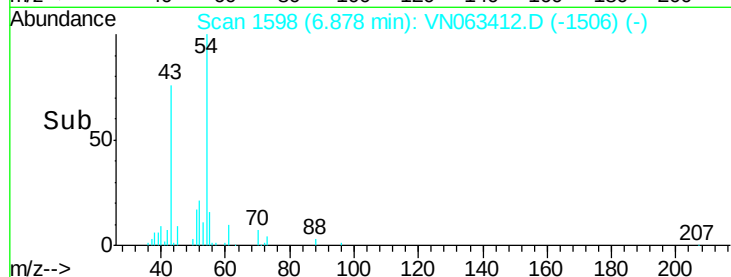
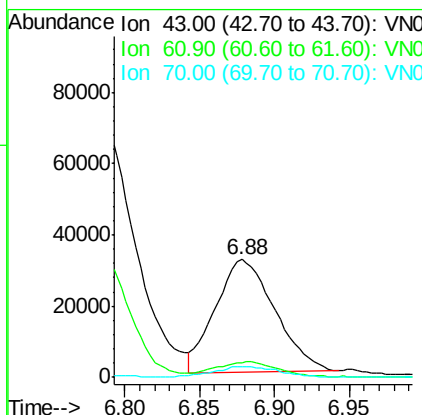
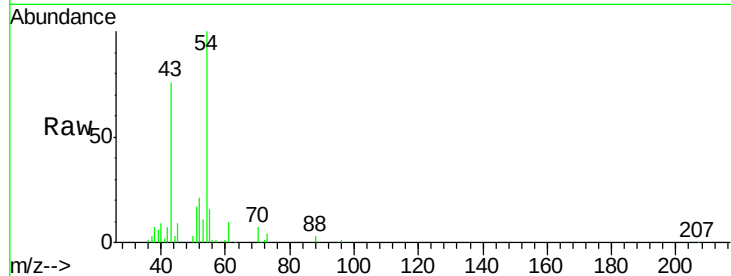
#37
Ethyl Acetate
Concen: 18.737 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	43	Resp	87819
Ion Ratio	100	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	10.4	7.2	10.8

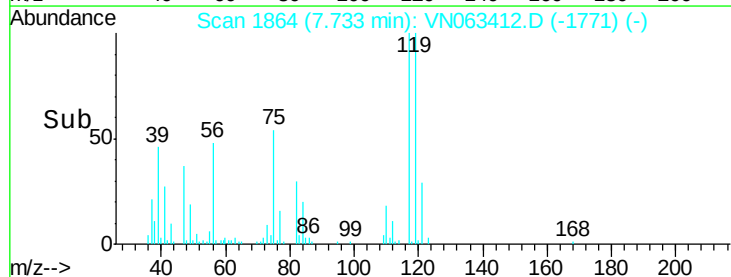
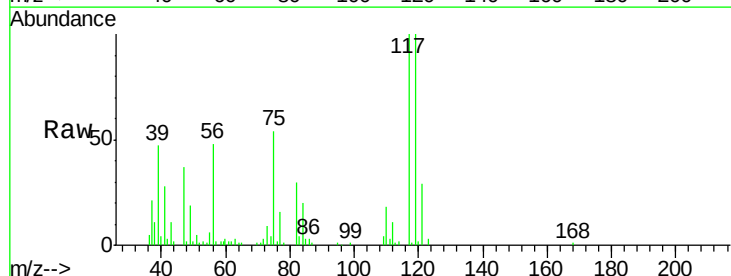
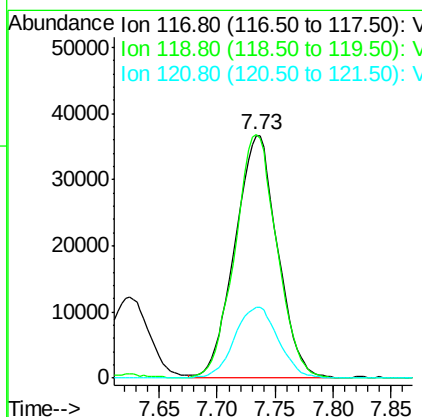
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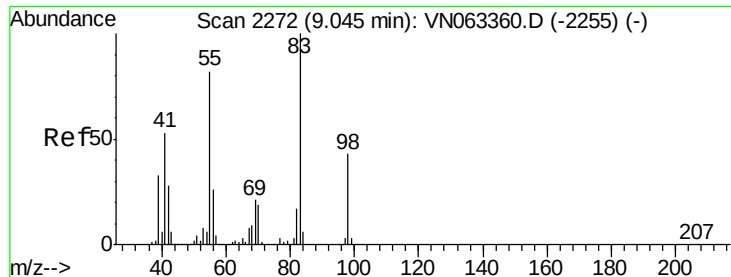
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#38
Carbon Tetrachloride
Concen: 19.215 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	117	Resp	93673
Ion Ratio	100	Lower	Upper
117	100		
119	100.4	74.5	111.7
121	29.1	24.1	36.1





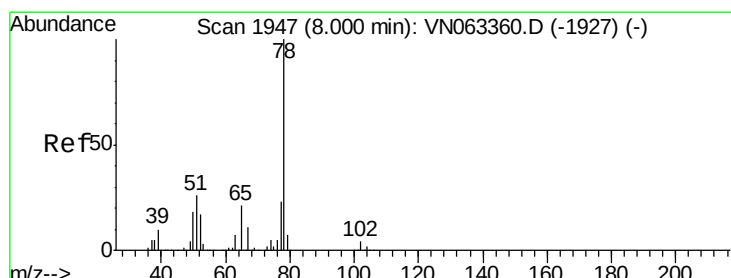
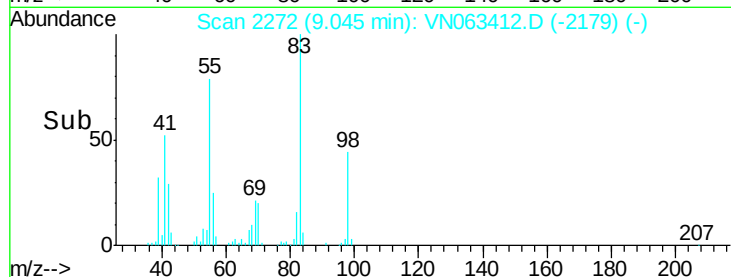
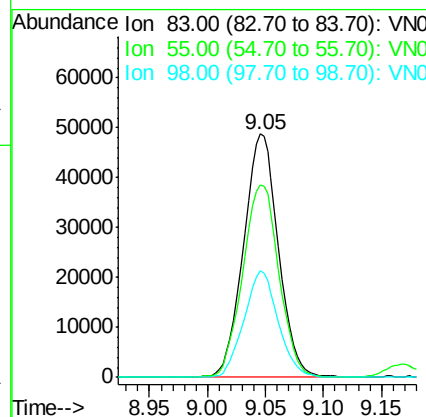
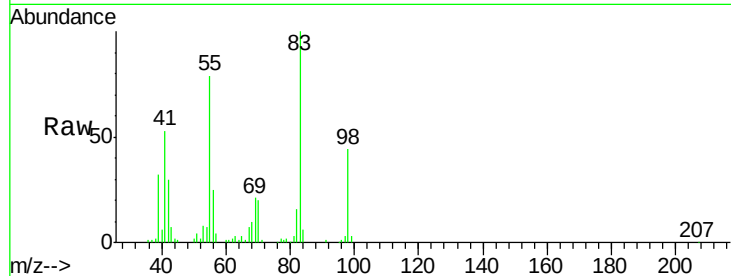
#39
Methylvlcyclohexane
Concen: 19.599 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	65.5	98.3
98	43.6	34.2	51.4

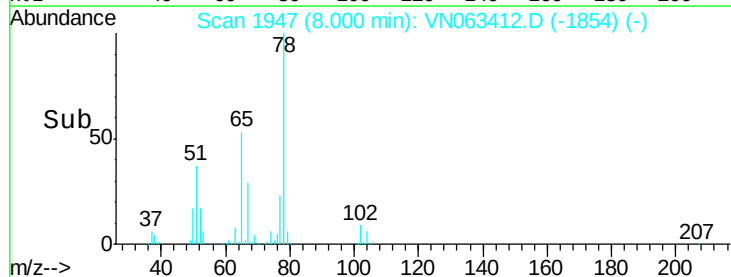
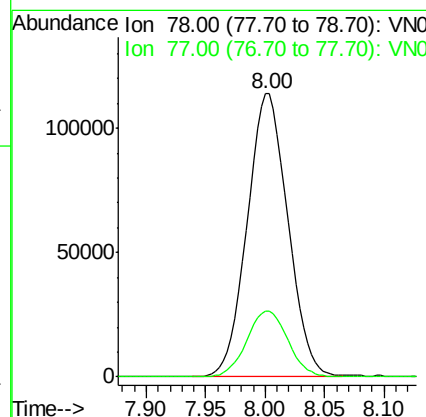
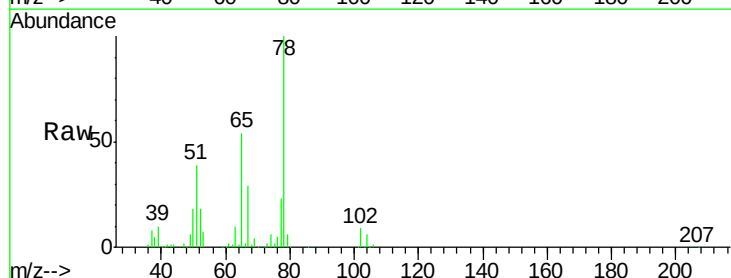
Manual Integrations
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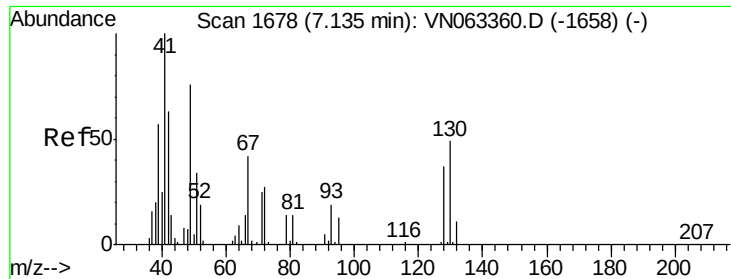
MMDadoda
9/18/2020 2:56:02 PM



#40
Benzene
Concen: 19.831 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5





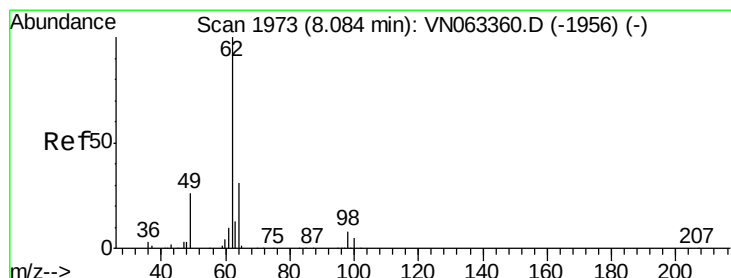
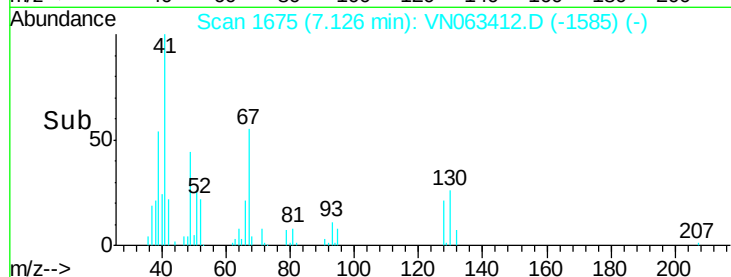
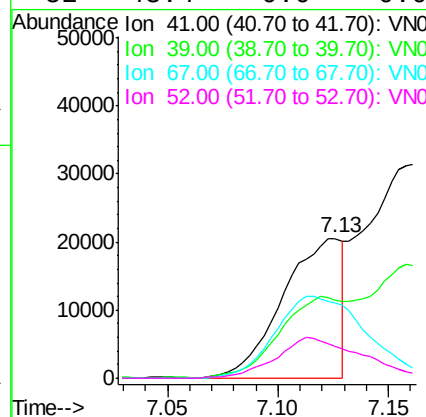
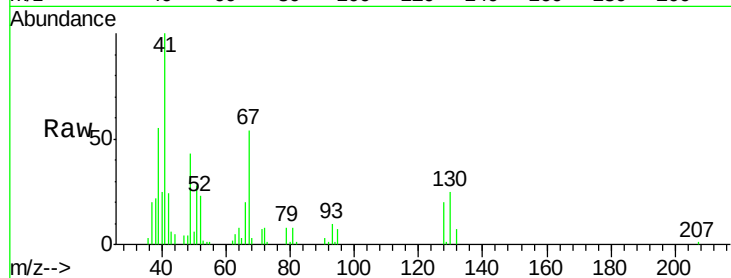
#41
Methacrylonitrile
Concen: 18.326 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	60.0	0.0	0.0	0.0#
67	91.0	0.0	0.0	0.0#
52	43.4	0.0	0.0	0.0#

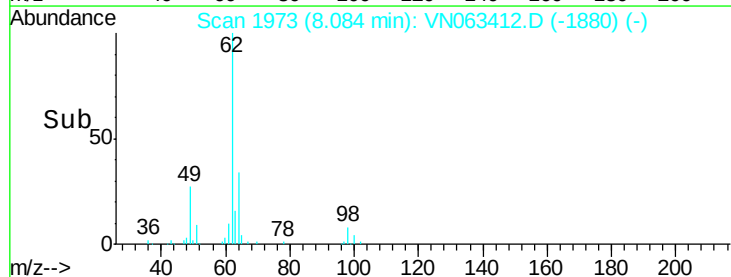
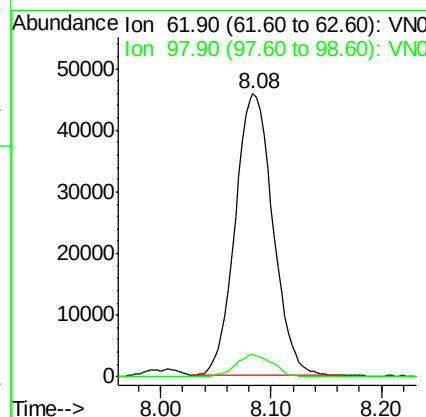
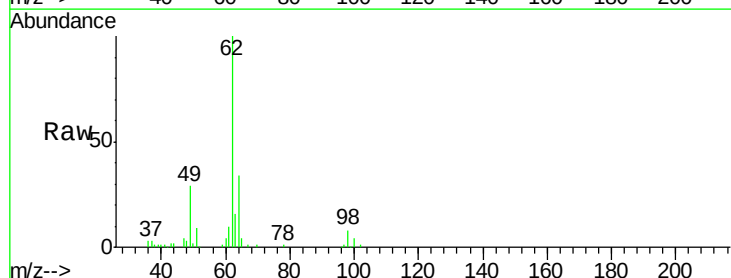
Manual Integrations
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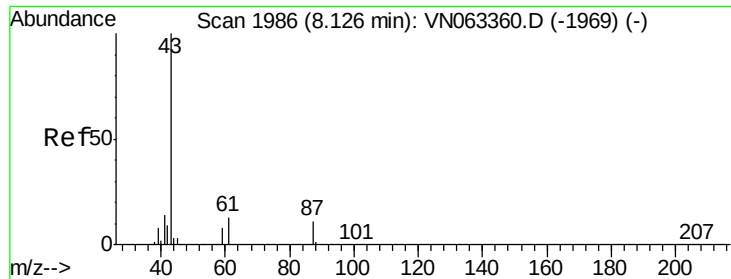
MMDadoda
9/18/2020 2:56:02 PM



#42
1,2-Dichloroethane
Concen: 19.621 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.8	0.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.165 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

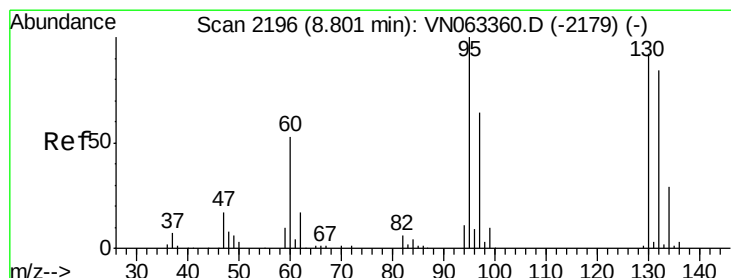
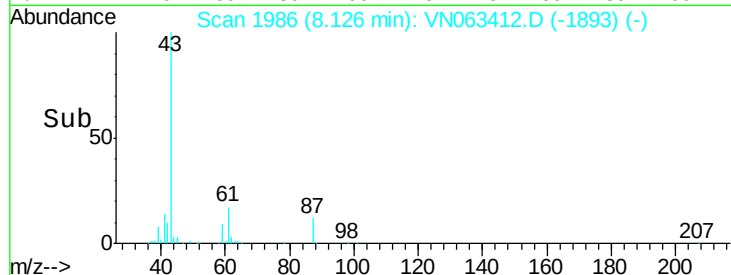
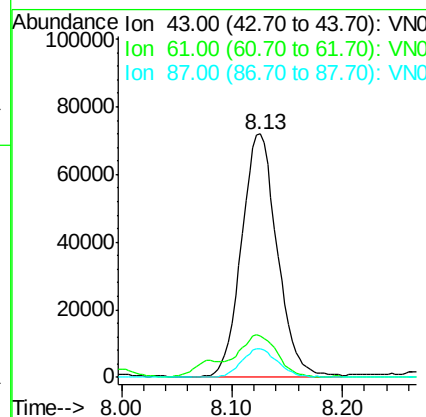
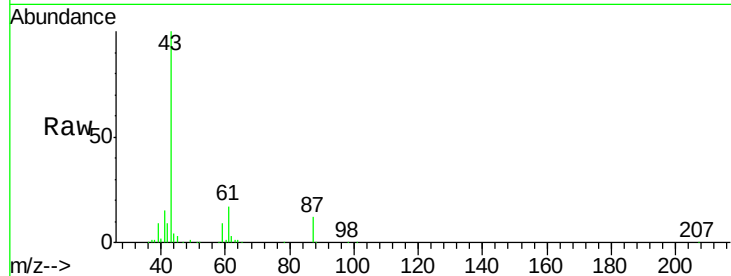
ClientSampleId :

VN0917WBSD01

Tot Ion:	43	Resp:	160622
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.2
87	12.0	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.553 ug/l

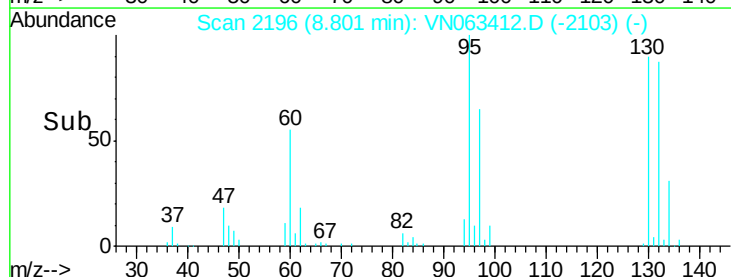
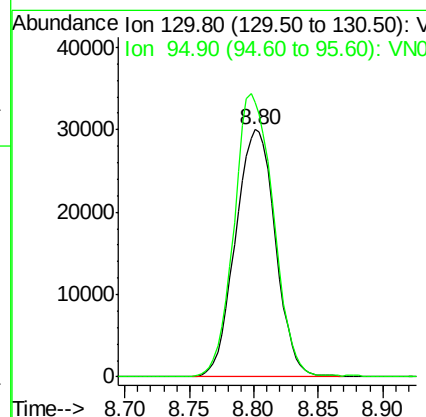
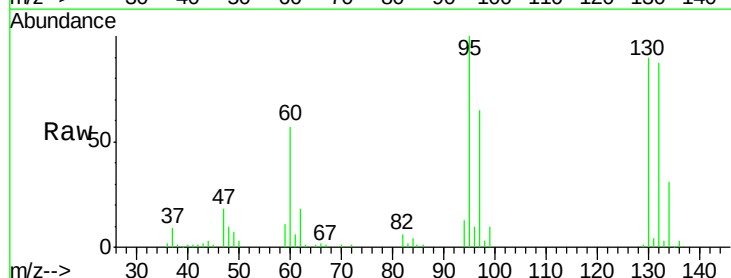
RT: 8.80 min Scan# 2196

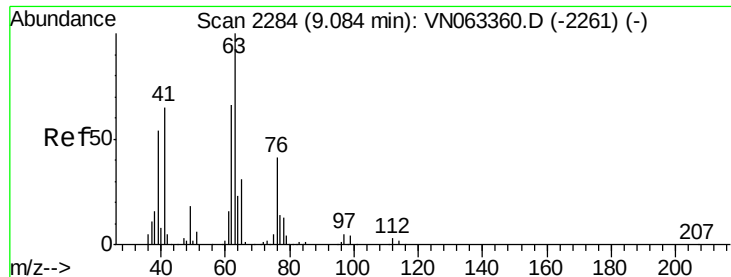
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	130	Resp:	64651
Ion	Ratio	Lower	Upper
130	100		
95	111.3	0.0	217.4





#45

1,2-Dichloropropane

Concen: 20.115 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 63 Resp: 74686

Ion Ratio Lower Upper

63 100

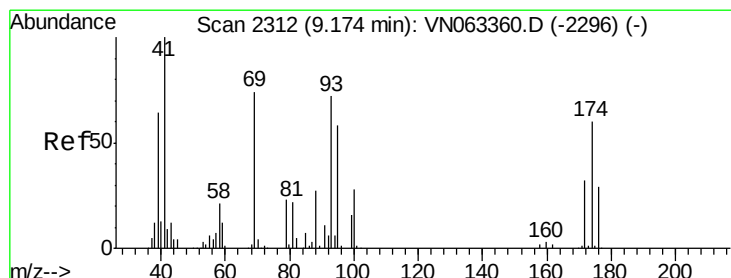
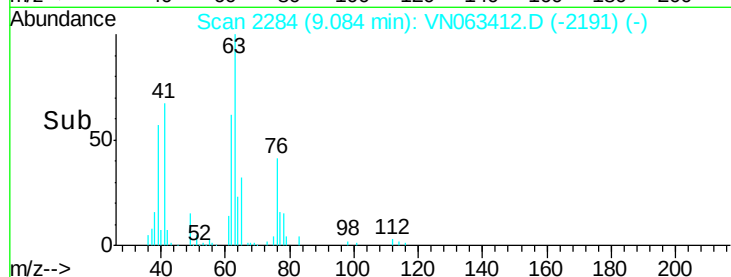
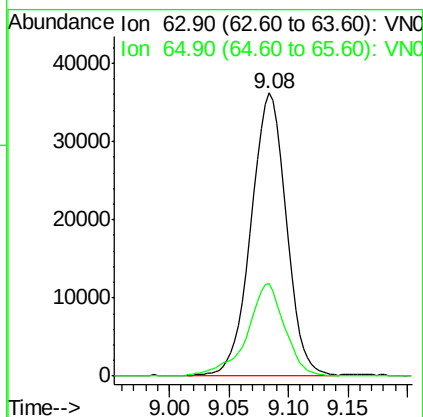
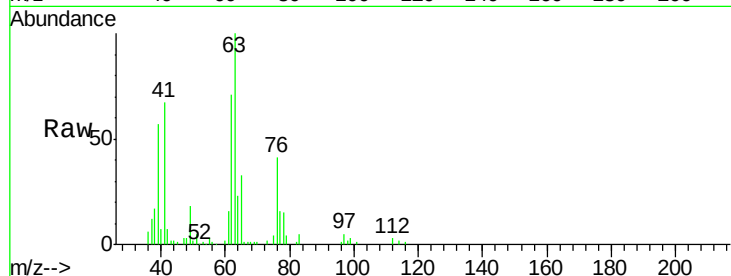
65 32.6 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.138 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

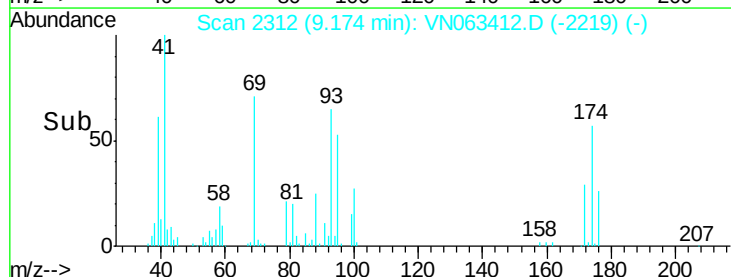
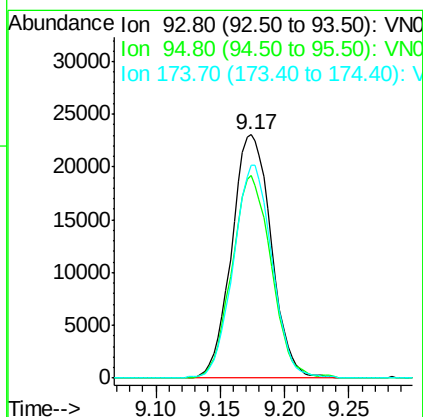
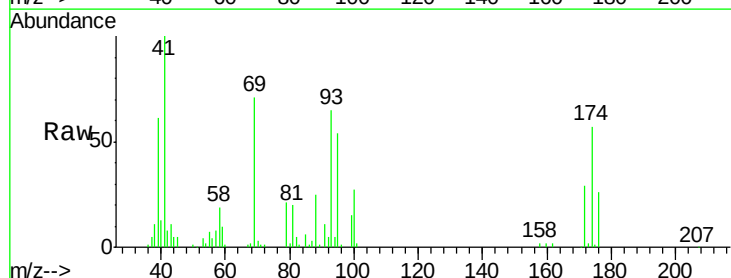
Tgt Ion: 93 Resp: 49144

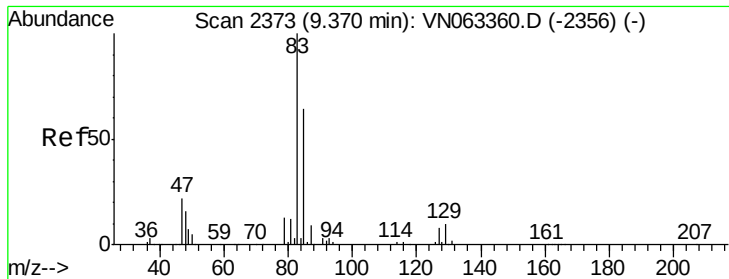
Ion Ratio Lower Upper

93 100

95 82.5 65.6 98.4

174 85.9 68.1 102.1





#47

Bromodichloromethane

Concen: 19.888 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

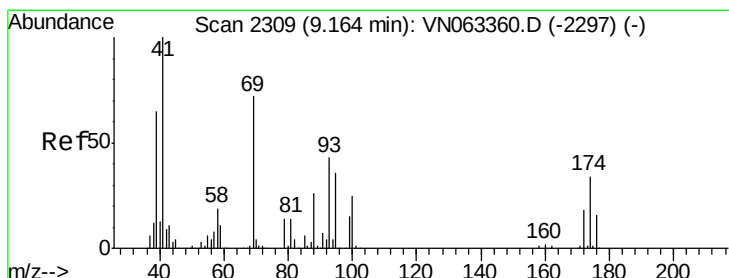
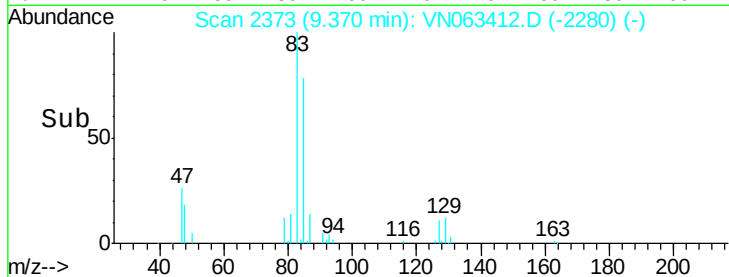
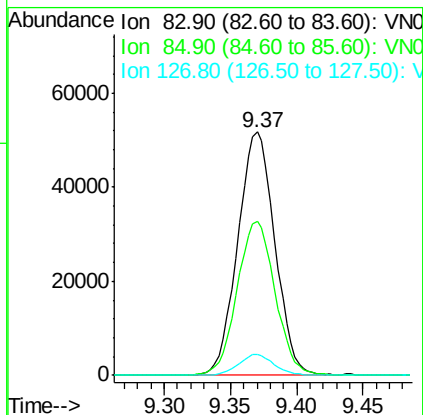
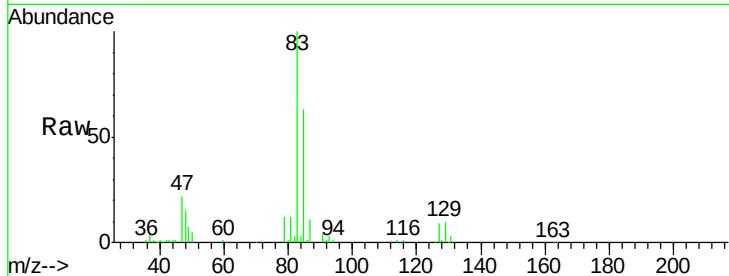
ClientSampled :

VN0917WBSD01

Tot Ion:	83	Resp:	100825
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.0	76.6
127	8.5	6.3	9.5

Manual Integrations
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9/18/2020 2:56:02 PM



#48

Methyl methacrylate

Concen: 19.310 ug/l

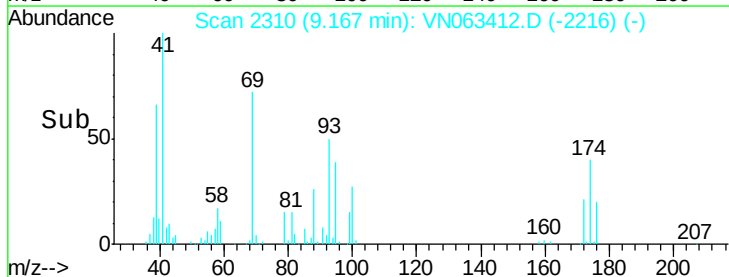
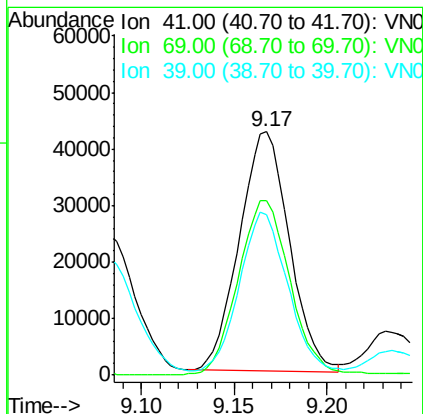
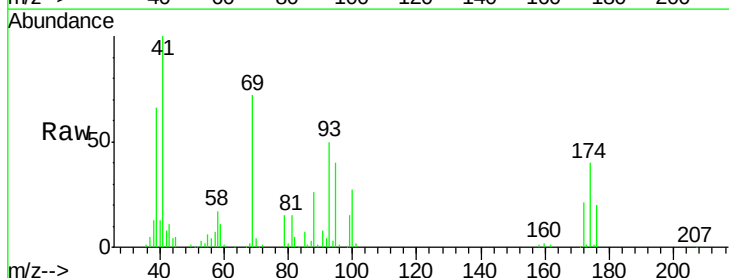
RT: 9.17 min Scan# 2310

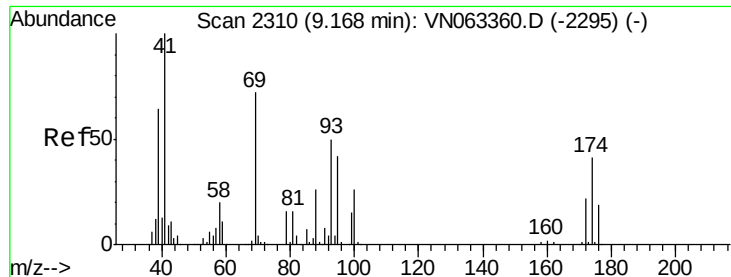
Delta R.T. 0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	41	Resp:	79512
Ion Ratio	Lower	Upper	
41	100		
69	75.7	59.3	88.9
39	63.8	52.9	79.3





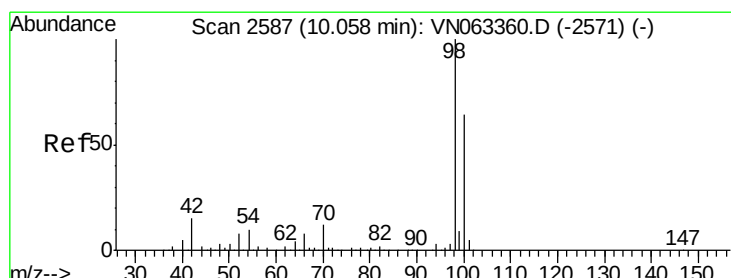
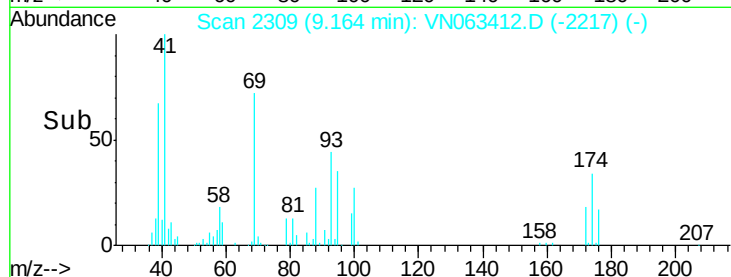
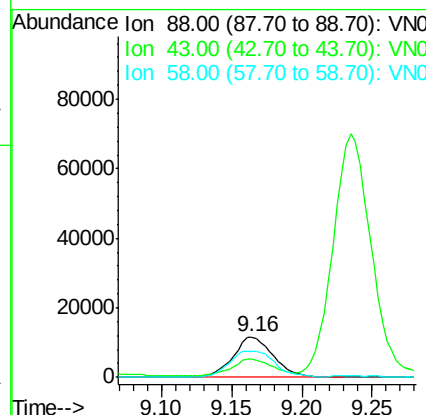
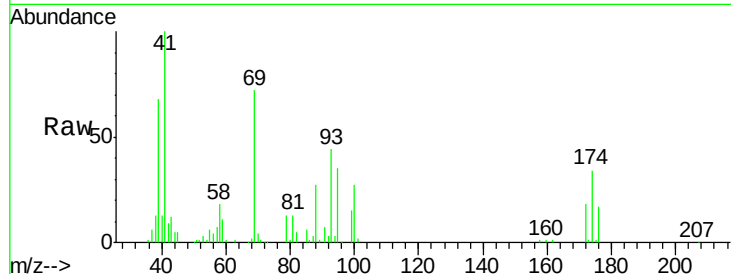
#49
1,4-Dioxane
Concen: 393.979 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	23280		
43	42.3		32.6	49.0
58	73.0		60.0	90.0

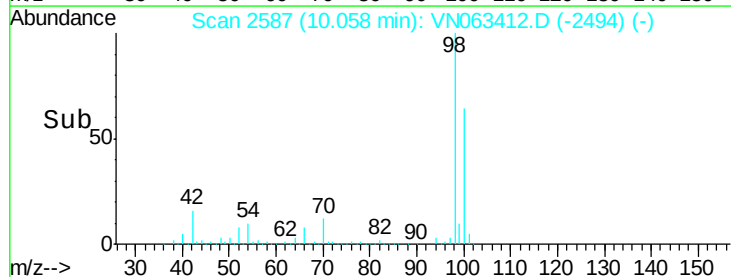
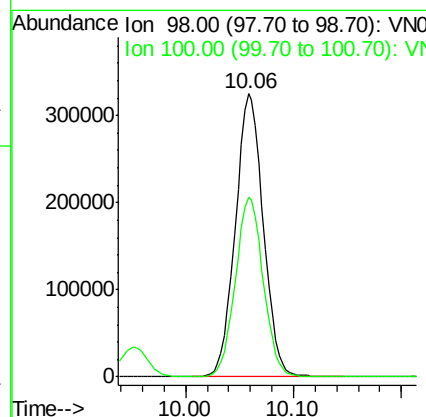
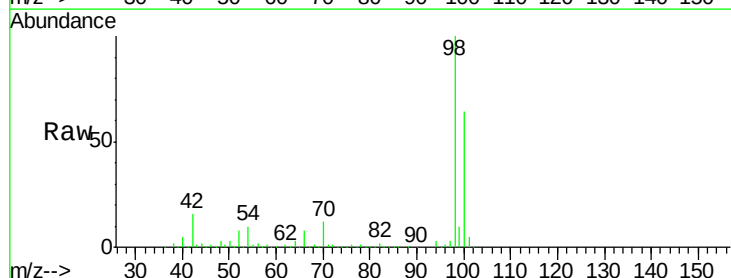
Manual Integrations
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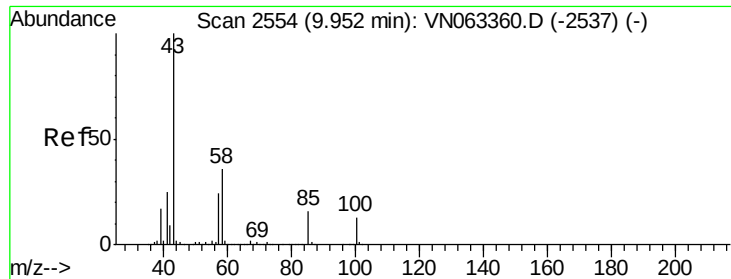
MMDadoda
9/18/2020 2:56:02 PM



#50
Toluene-d8
Concen: 50.319 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	587149		
100	63.5		50.7	76.1





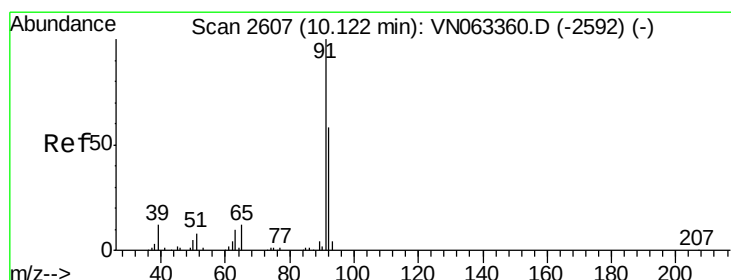
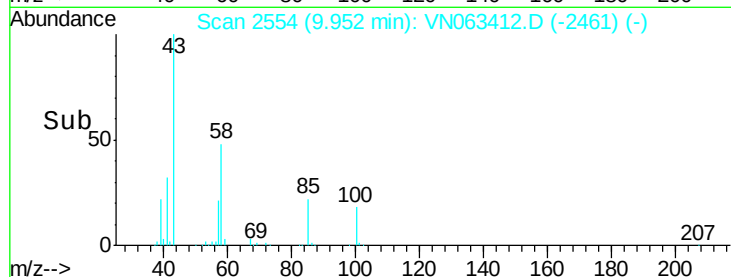
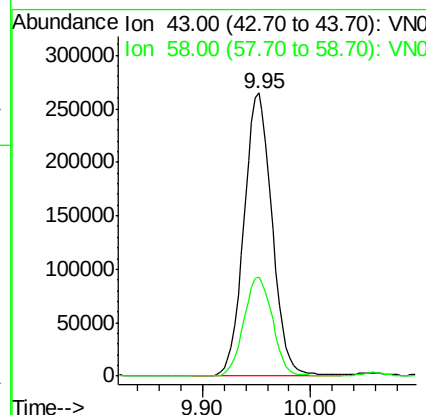
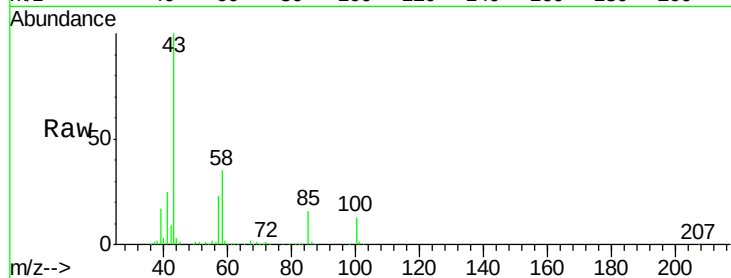
#51
4-Methyl-2-Pentanone
Concen: 102.017 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	43	Resp	478650
Ion Ratio	100	Lower	Upper
43	100		
58	36.0	29.0	43.6

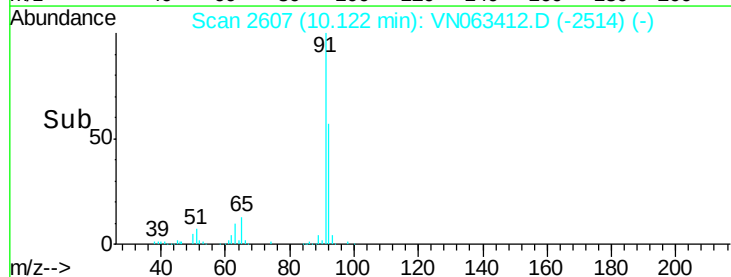
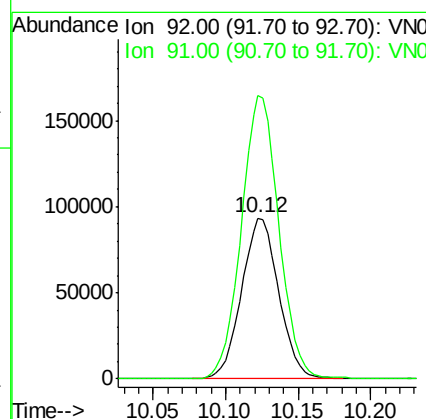
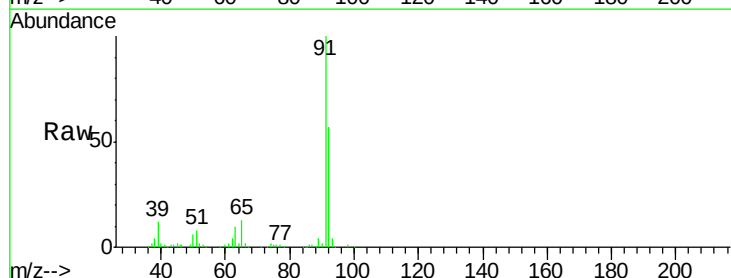
Manual Integrations
APPROVED

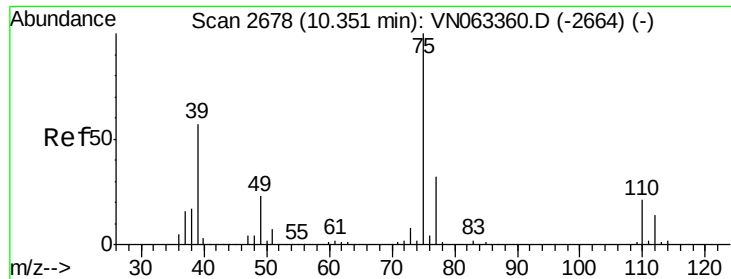
MMDadoda
9/18/2020 2:56:02 PM



#52
Toluene
Concen: 20.295 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	92	Resp	166345
Ion Ratio	100	Lower	Upper
92	100		
91	177.7	139.7	209.5





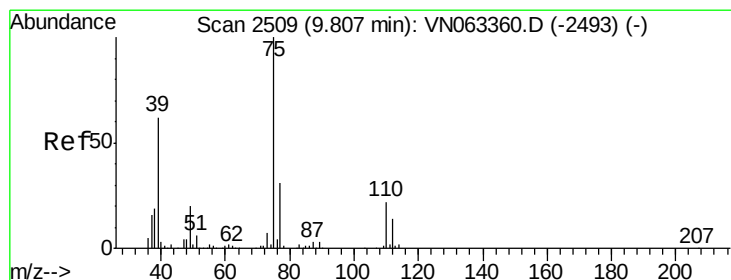
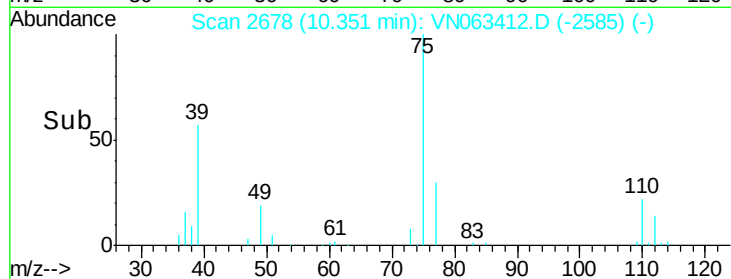
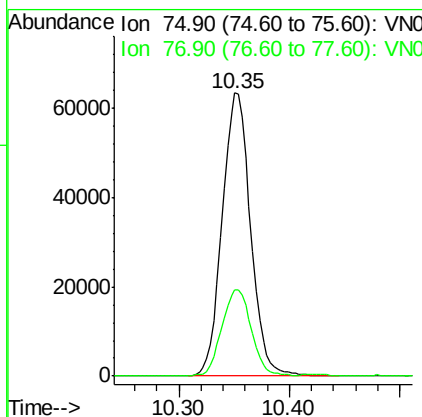
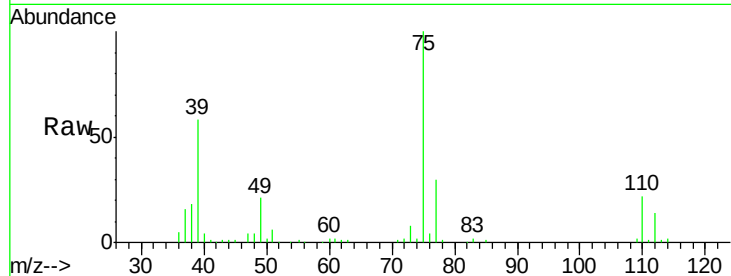
#53
t-1,3-Dichloropropene
Concen: 20.060 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.2

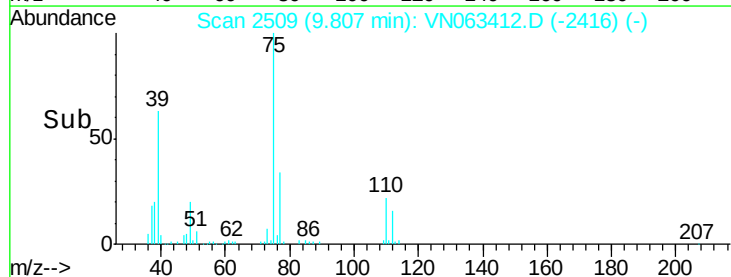
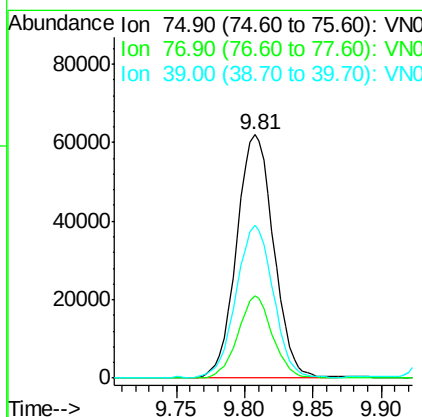
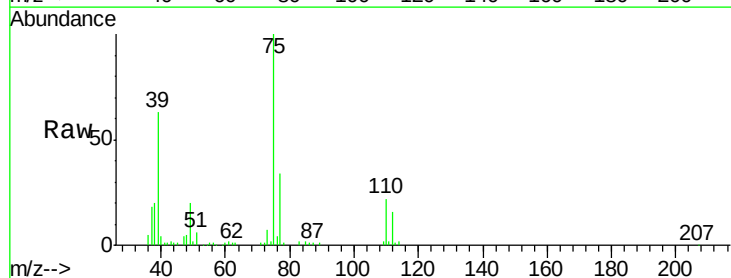
Manual Integrations
APPROVED

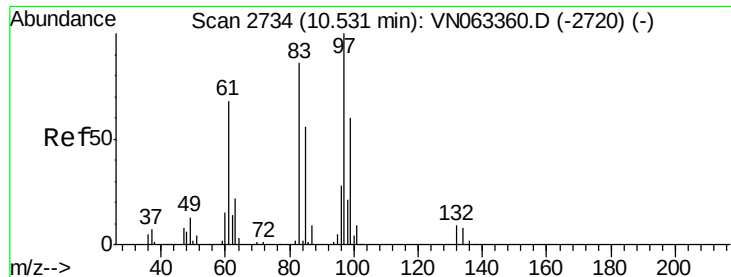
MMDadoda
9/18/2020 2:56:02 PM



#54
cis-1,3-Dichloropropene
Concen: 19.643 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	24.6	37.0
39	62.3	49.8	74.8





#55

1,1,2-Trichloroethane

Concen: 20.345 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

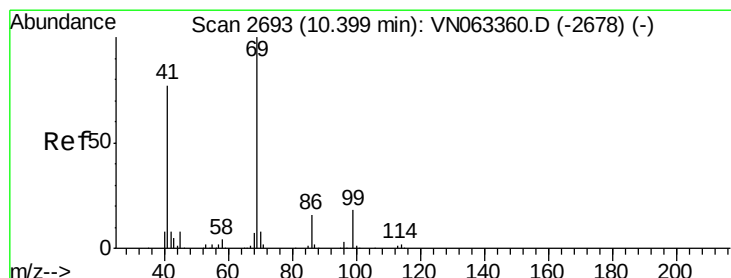
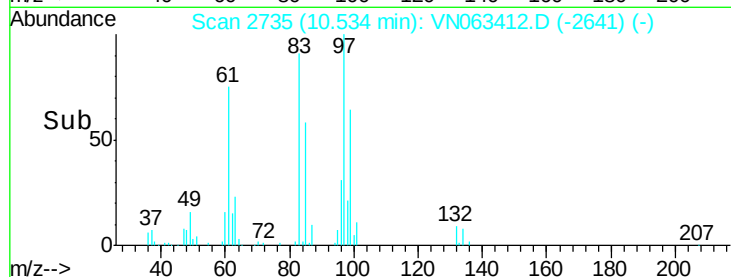
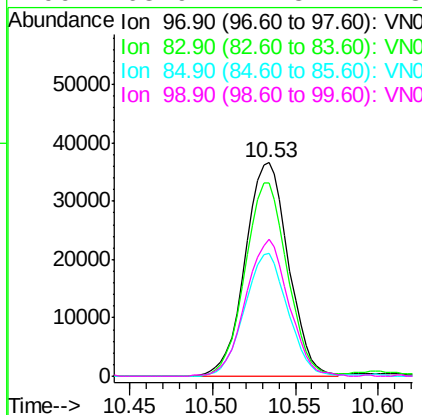
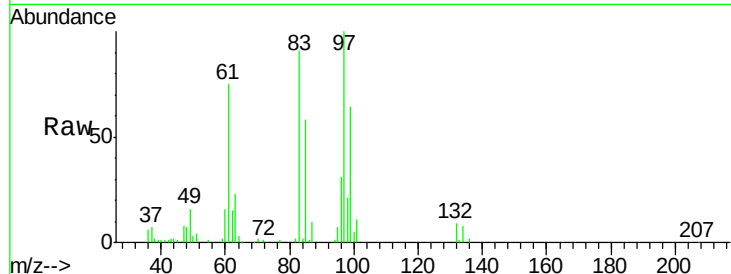
ClientSampleId :

VN0917WBSD01

Tot Ion:	97	Resp:	66235
Ion	Ratio	Lower	Upper
97	100		
83	90.8	68.9	103.3
85	57.6	44.8	67.2
99	63.9	47.8	71.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.901 ug/l

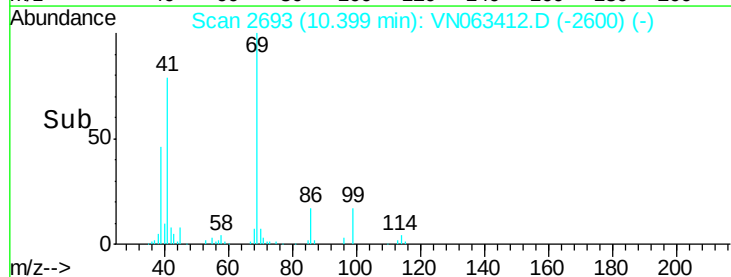
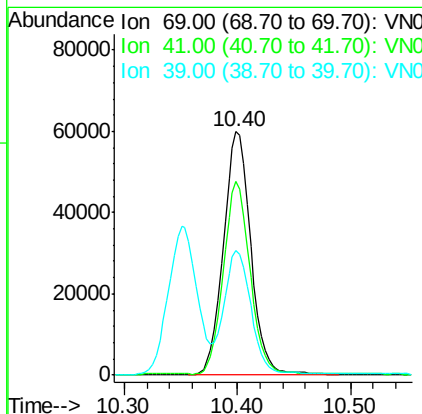
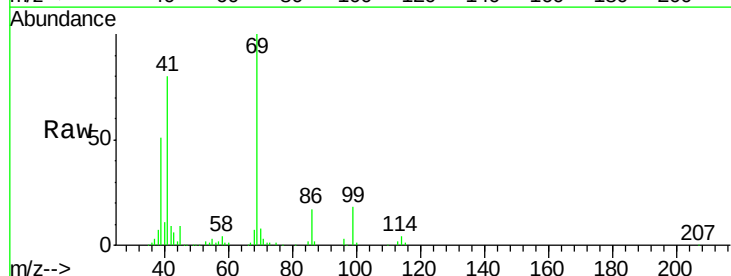
RT: 10.40 min Scan# 2693

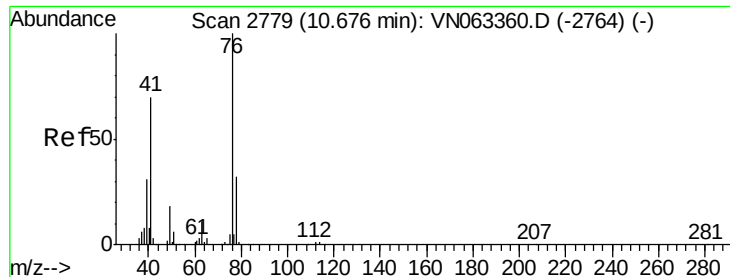
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	69	Resp:	101145
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.0	91.6
39	49.3	39.2	58.8





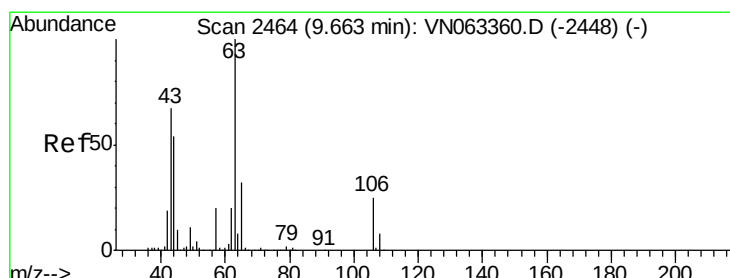
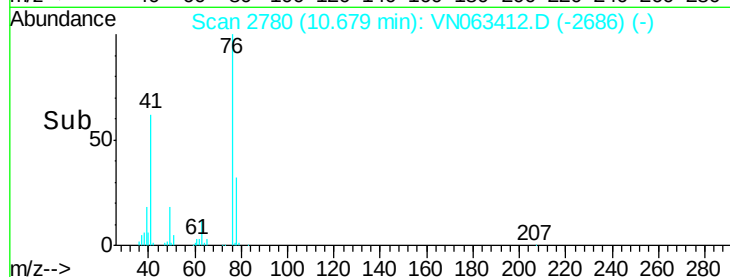
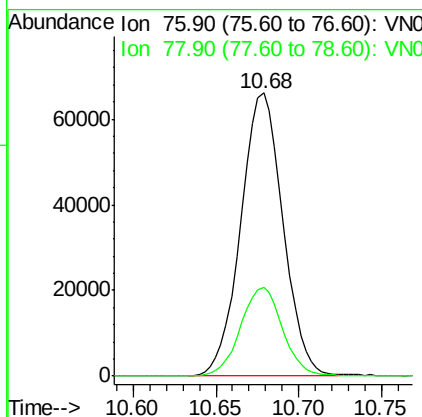
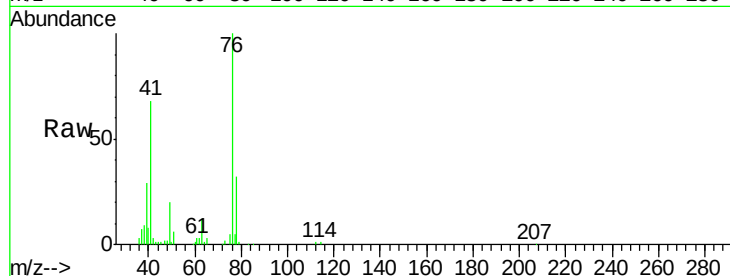
#57
 1,3-Dichloropropane
 Concen: 19.929 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0917WBSD01

Tot Ion: 76 Resp: 117004
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.8

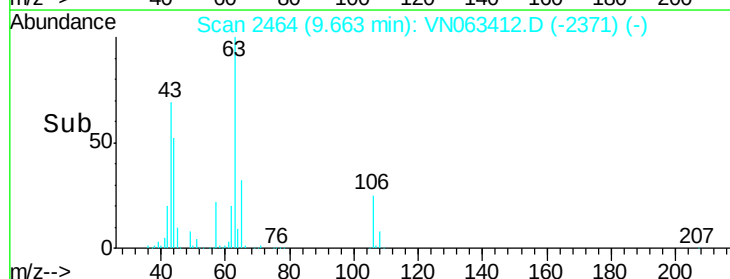
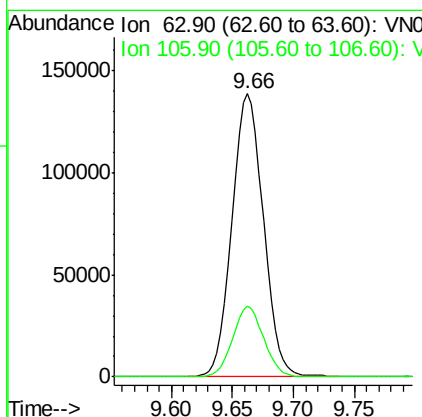
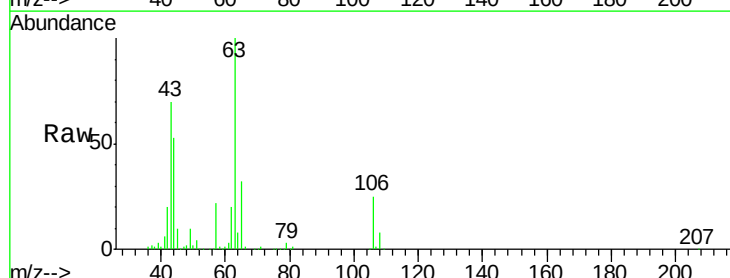
Manual Integrations
 APPROVED

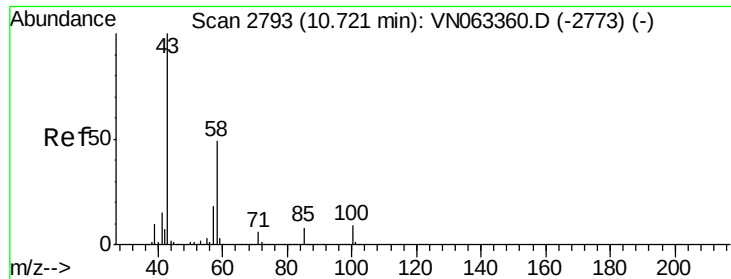
MMDadoda
 9/18/2020 2:56:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.246 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion: 63 Resp: 248604
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.5 29.3





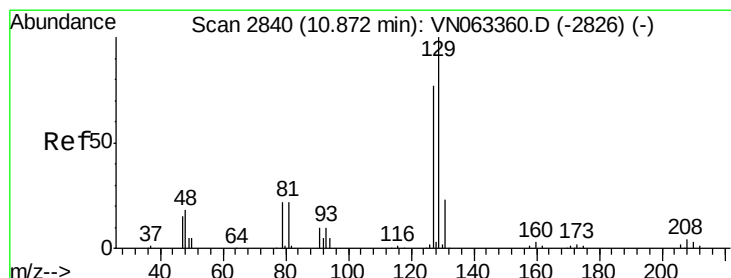
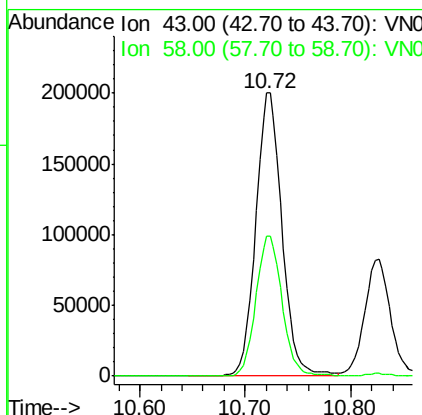
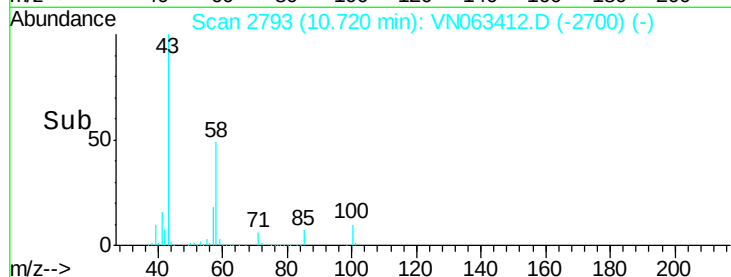
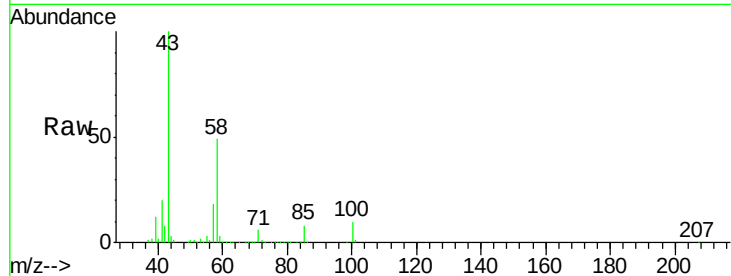
#59
2-Hexanone
Concen: 101.712 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion: 43 Resp: 345734
Ion Ratio Lower Upper
43 100
58 49.9 24.7 74.1

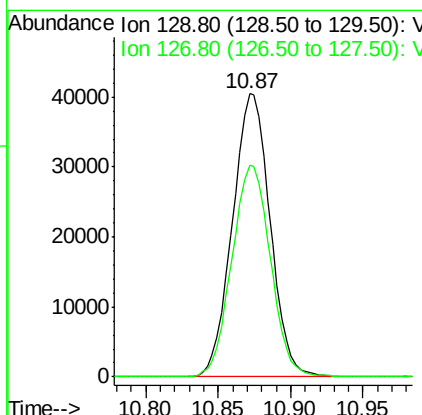
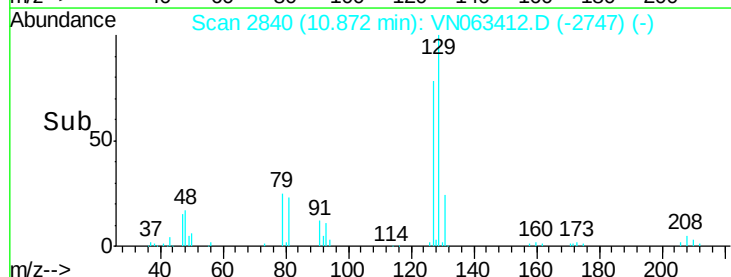
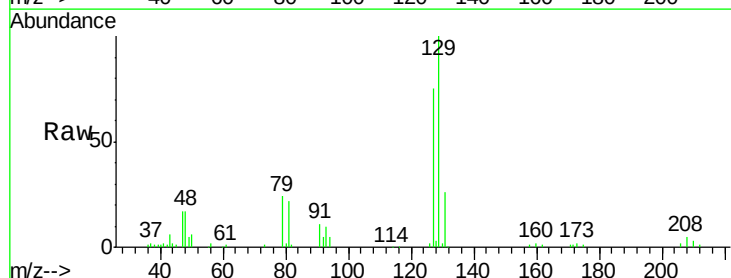
Manual Integrations
APPROVED

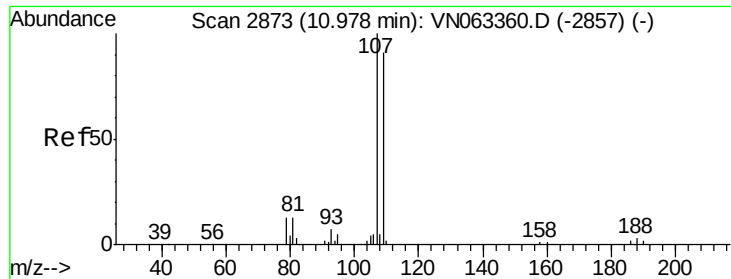
MMDadoda
9/18/2020 2:56:02 PM



#60
Dibromochloromethane
Concen: 19.845 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion: 129 Resp: 72991
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.107 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion:107 Resp: 68007

Ion Ratio Lower Upper

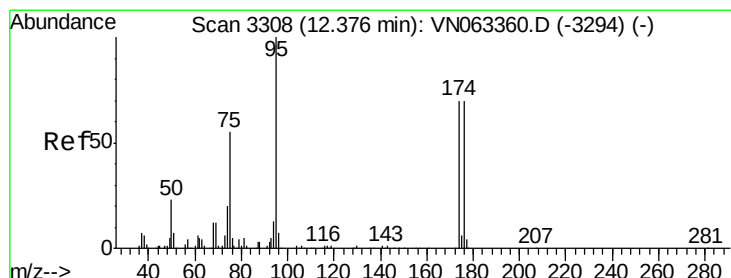
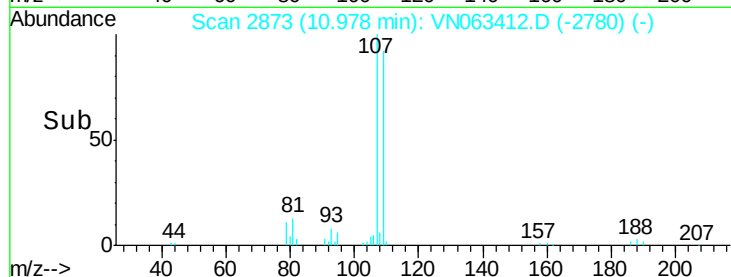
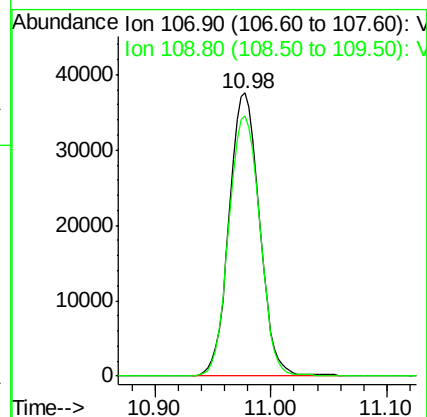
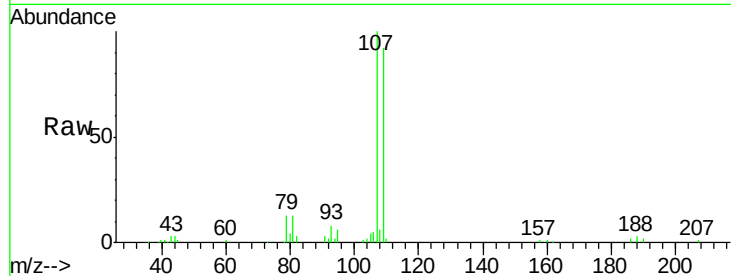
107 100

109 93.9 74.6 111.8

Manual Integrations
APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 51.928 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

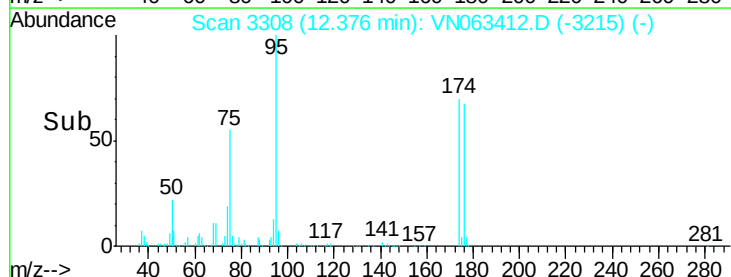
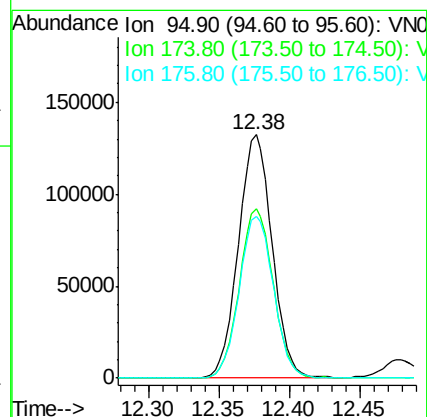
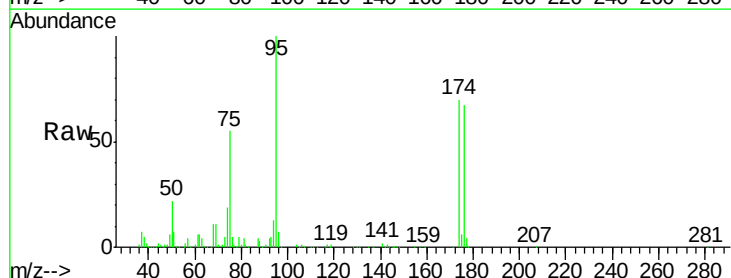
Tgt Ion: 95 Resp: 222122

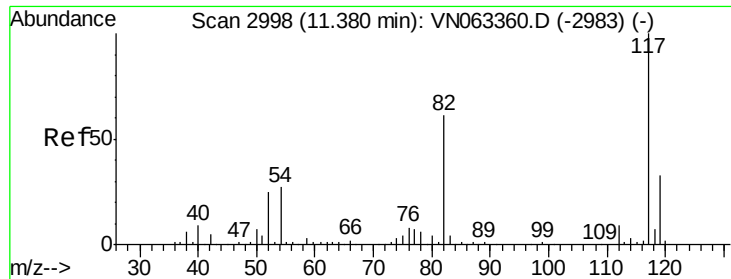
Ion Ratio Lower Upper

95 100

174 69.9 0.0 140.8

176 67.7 0.0 137.6





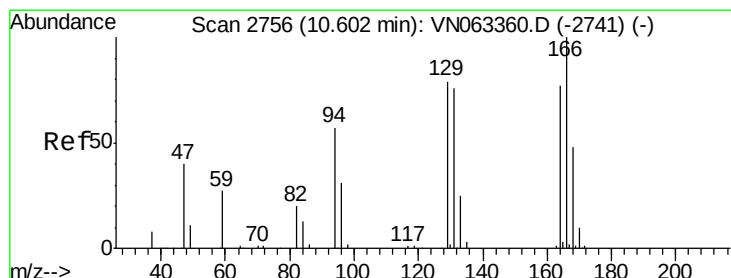
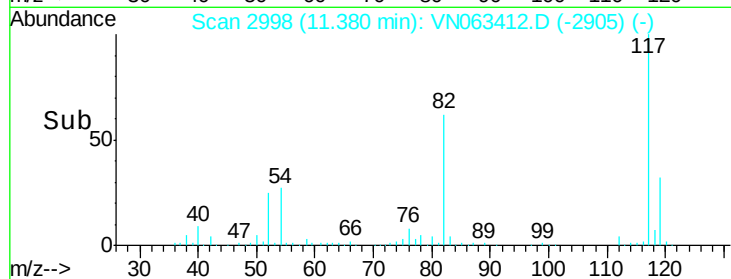
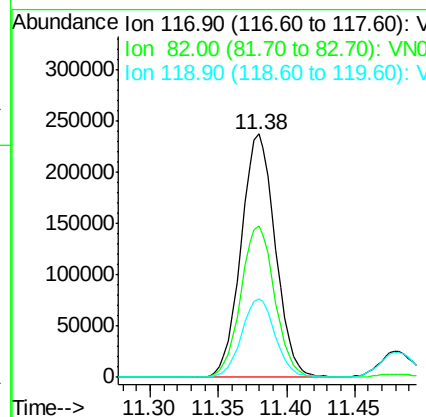
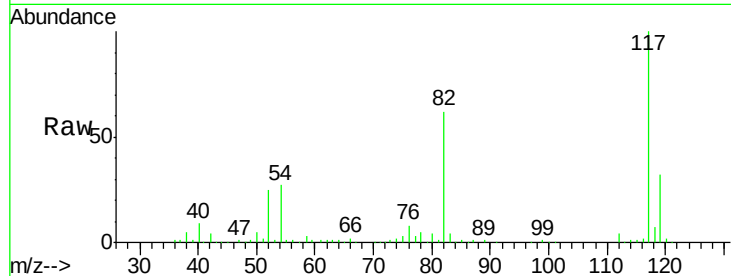
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	49.2	73.8
119	32.4	26.2	39.4

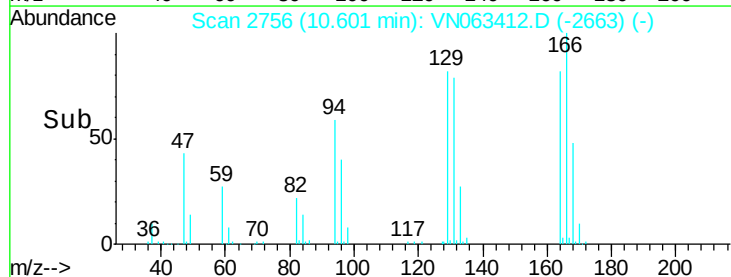
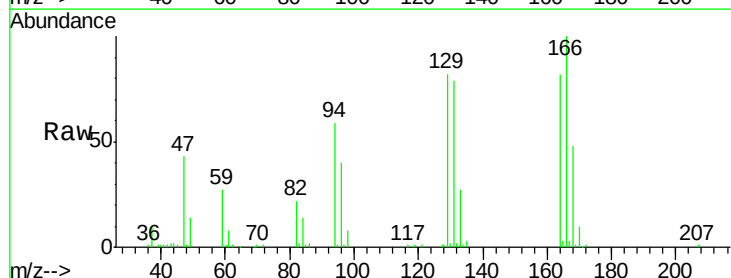
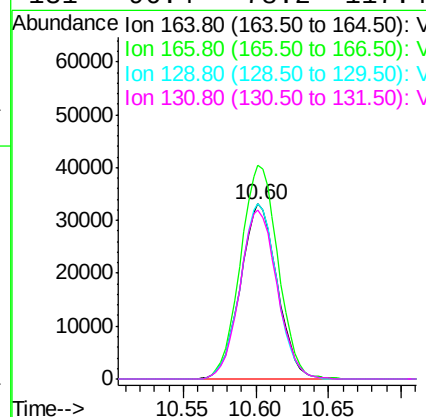
Manual Integrations
APPROVED

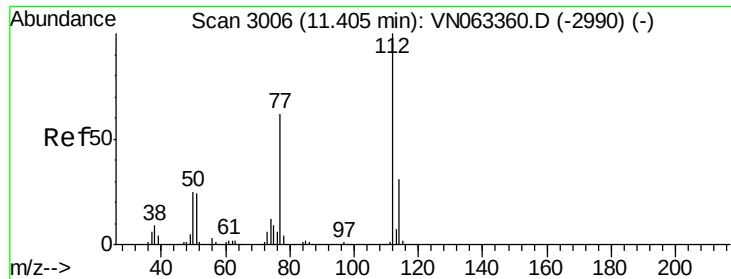
MMDadoda
9/18/2020 2:56:02 PM



#64
Tetrachloroethene
Concen: 20.743 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.4	155.0
129	100.2	81.8	122.6
131	96.4	78.2	117.4





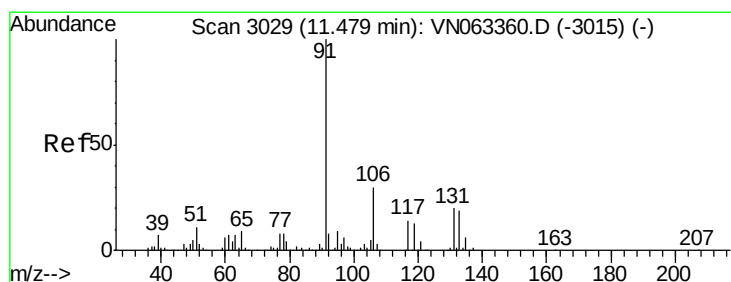
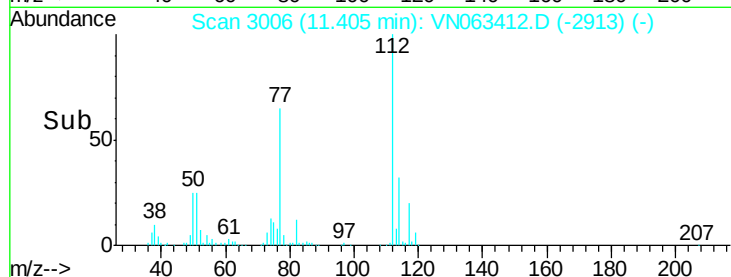
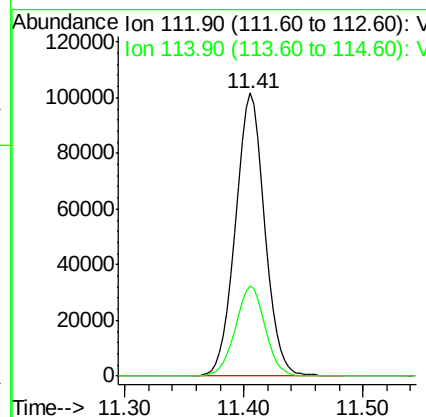
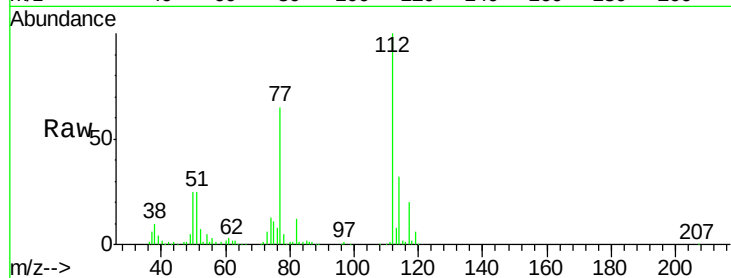
#65
Chlorobenzene
Concen: 19.738 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion:112 Resp: 173109
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6

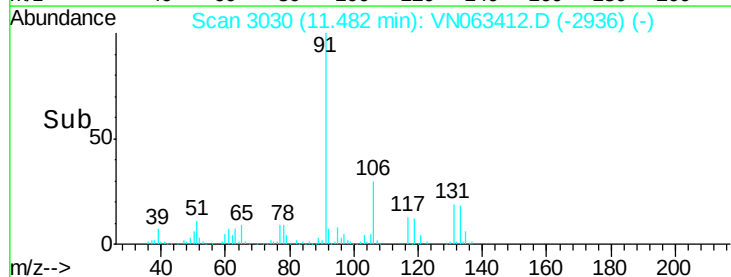
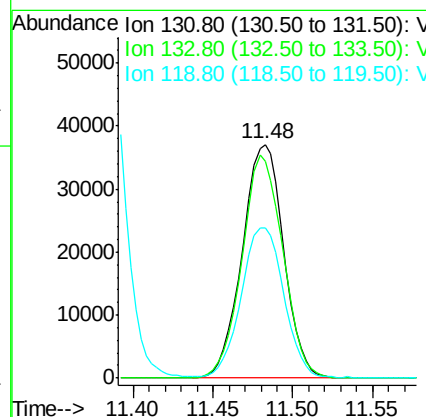
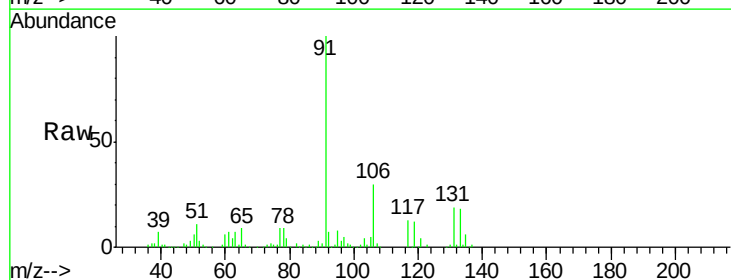
Manual Integrations
APPROVED

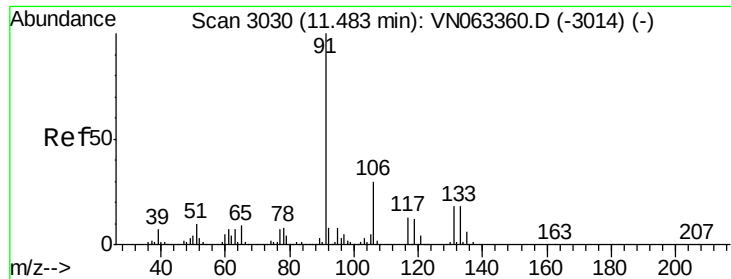
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.347 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion:131 Resp: 65415
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.9
119 66.6 33.6 100.8





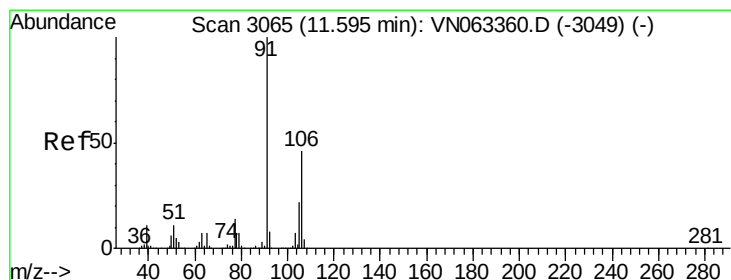
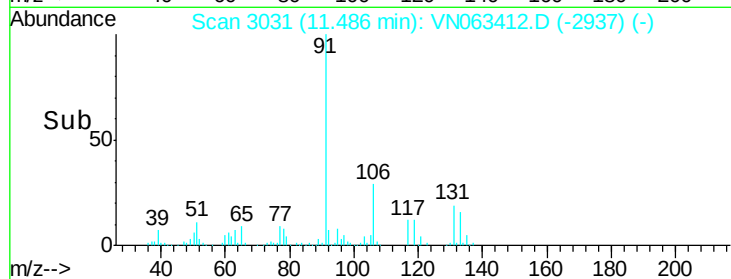
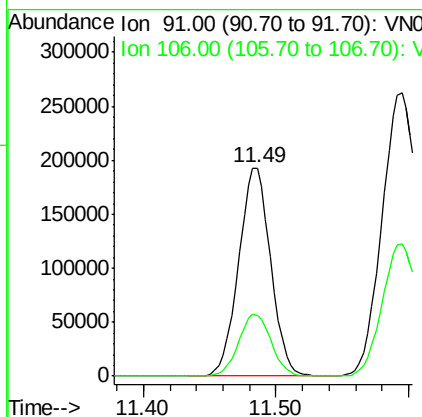
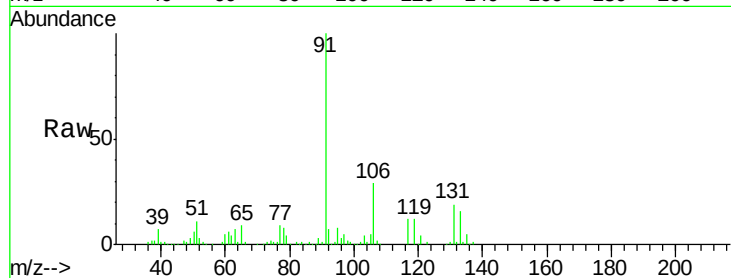
#67
Ethyl Benzene
Concen: 19.640 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.8	35.6

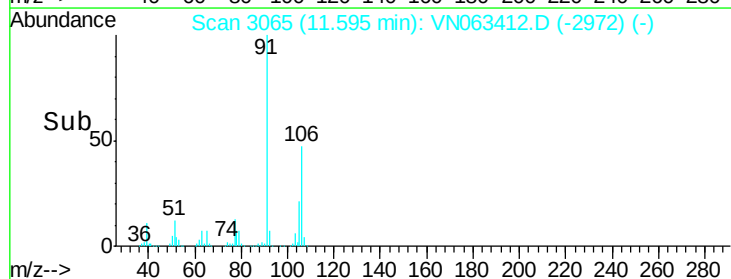
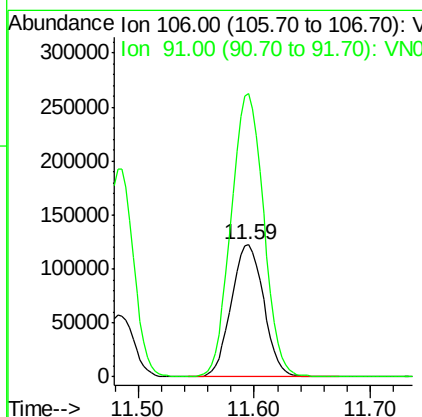
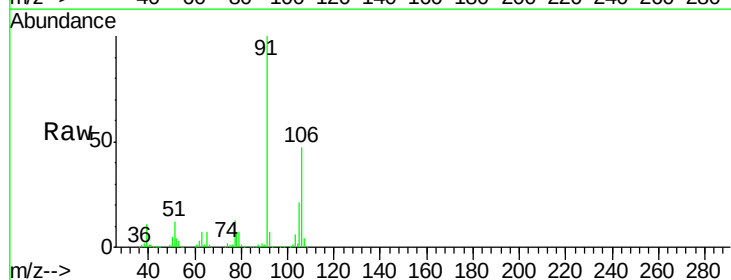
Manual Integrations
APPROVED

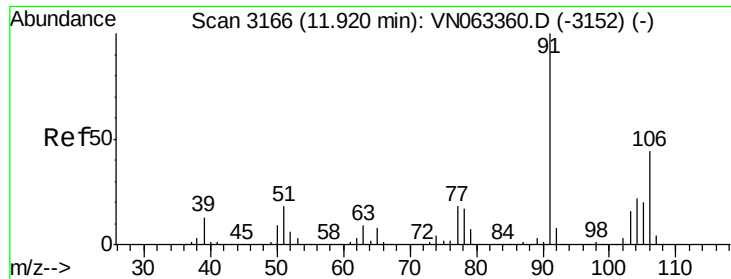
MMDadoda
9/18/2020 2:56:02 PM



#68
m/p-Xylenes
Concen: 40.055 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.0	171.2	256.8





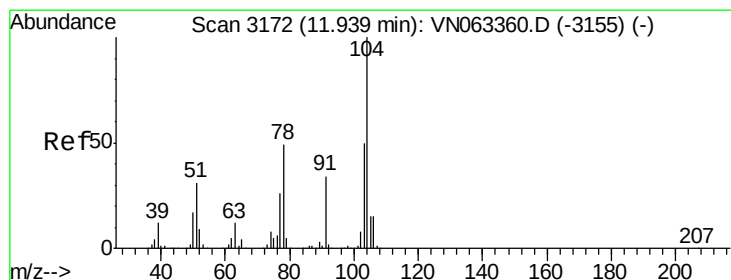
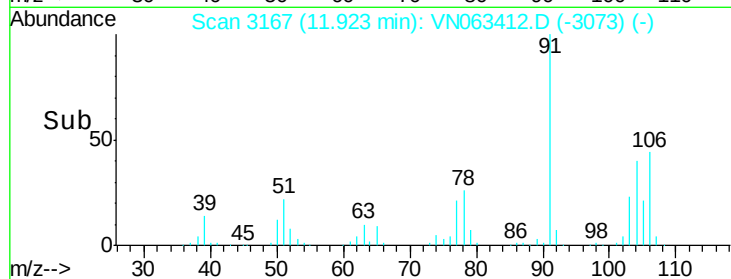
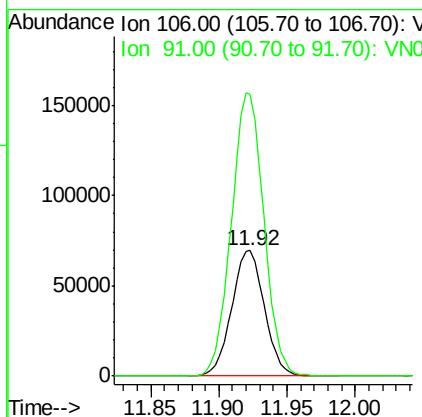
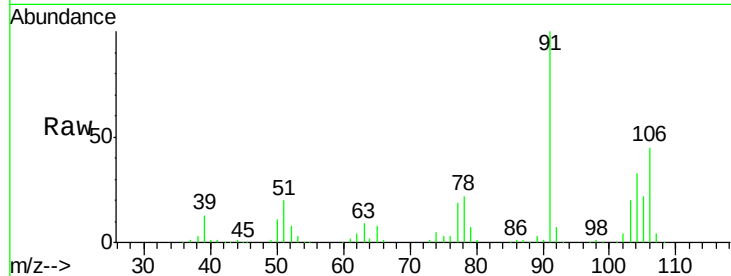
#69
o-Xylene
Concen: 20.436 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampled :
VN0917WBSD01

Tot Ion:106 Resp: 115928
Ion Ratio Lower Upper
106 100
91 223.9 113.6 340.8

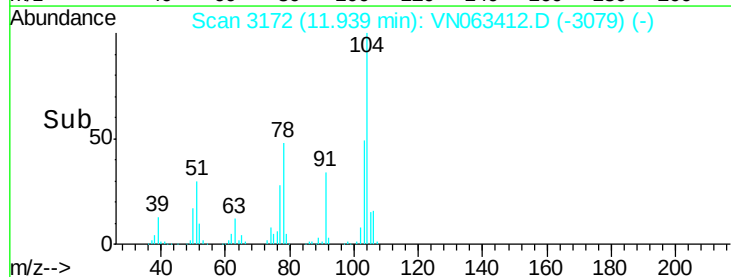
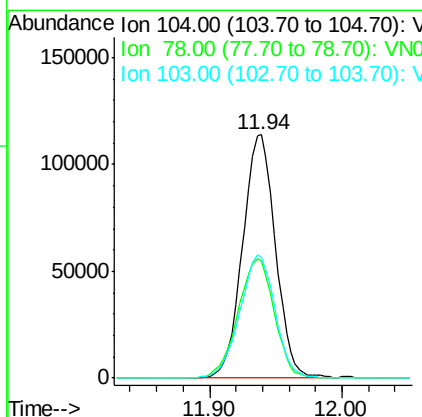
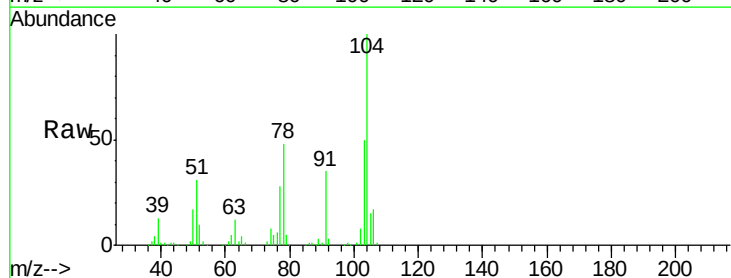
Manual Integrations
APPROVED

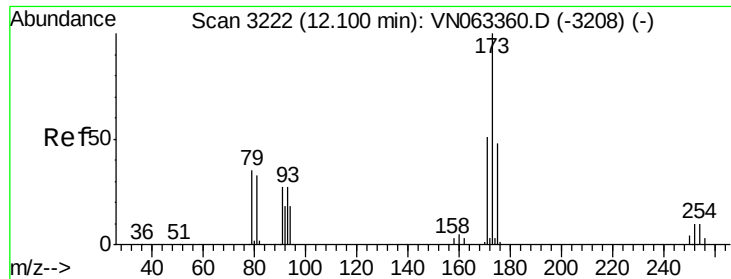
MMDadoda
9/18/2020 2:56:02 PM



#70
Styrene
Concen: 20.660 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion:104 Resp: 196546
Ion Ratio Lower Upper
104 100
78 54.1 44.4 66.6
103 54.3 43.7 65.5





#71

Bromoform

Concen: 19.423 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

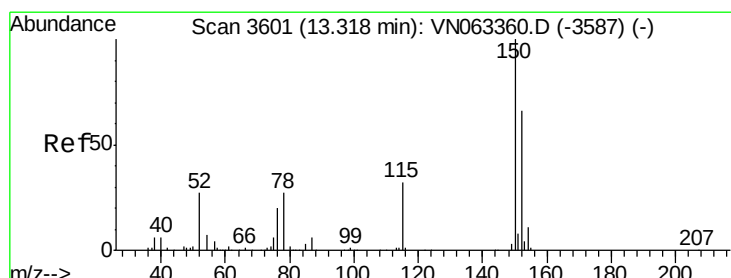
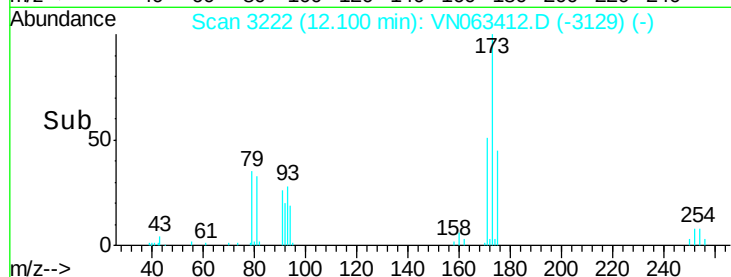
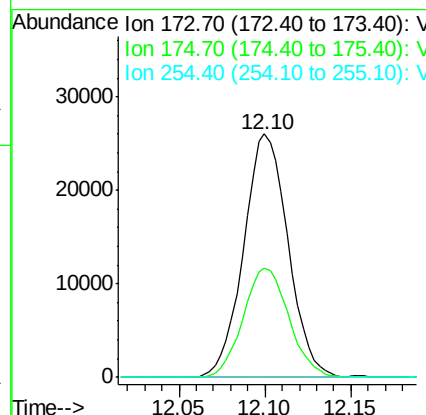
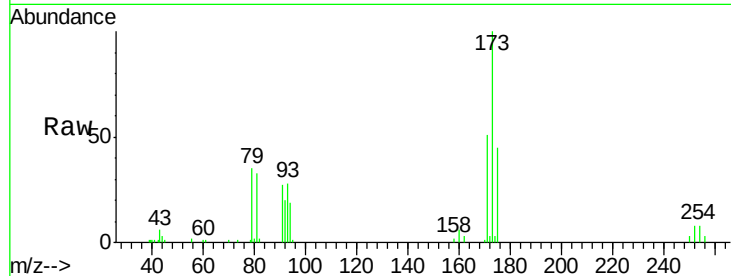
ClientSampleId :

VN0917WBSD01

Tot Ion:	173	Resp:	46518
Ion Ratio	Lower	Upper	
173	100		
175	46.2	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

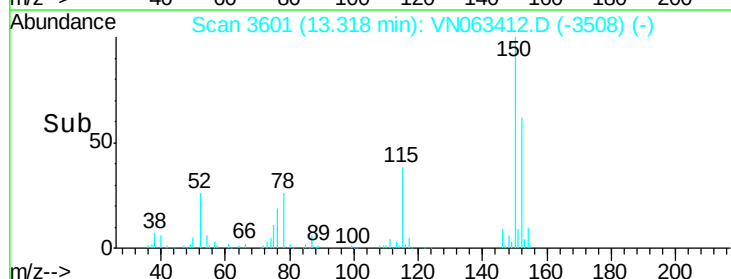
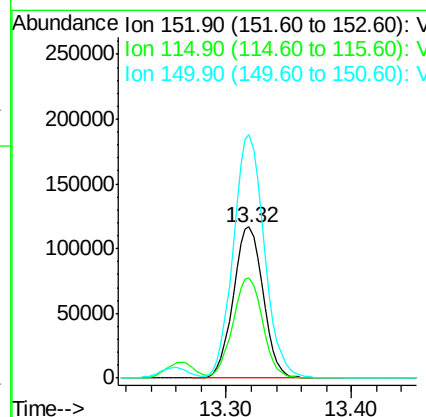
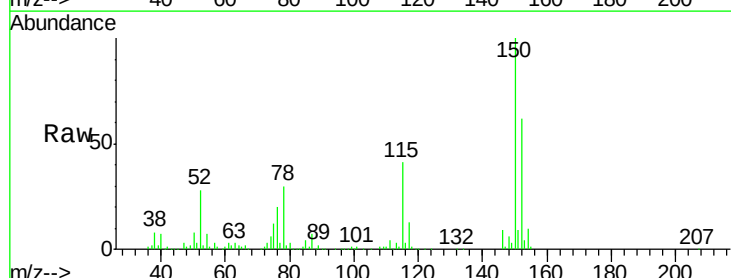
RT: 13.32 min Scan# 3601

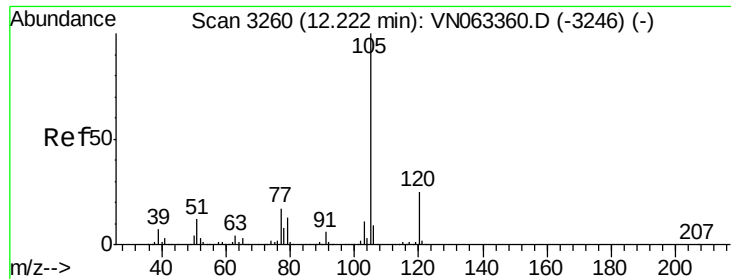
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	152	Resp:	193421
Ion Ratio	Lower	Upper	
152	100		
115	65.8	32.2	96.6
150	165.9	0.0	343.4





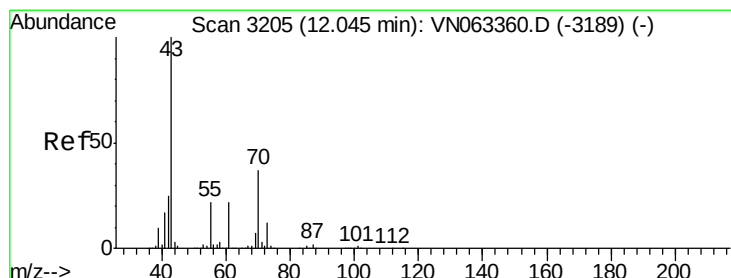
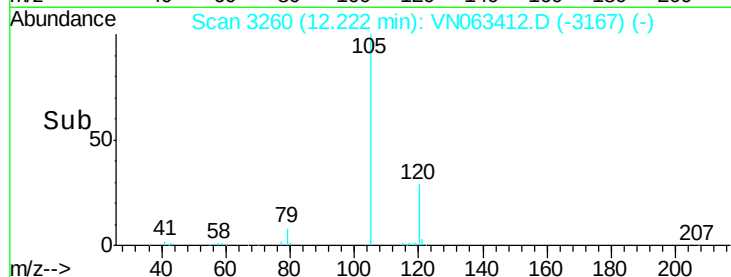
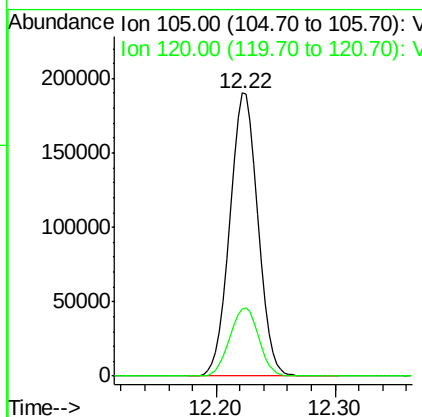
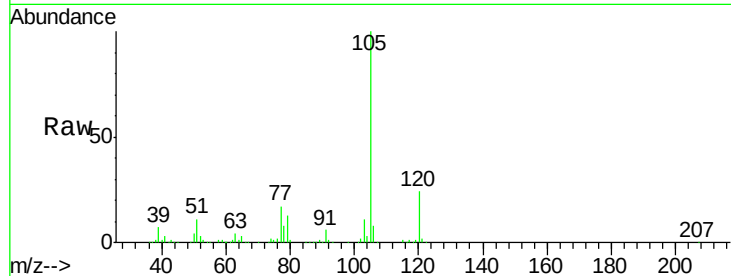
#73
Isopropylbenzene
Concen: 20.092 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.7	38.0

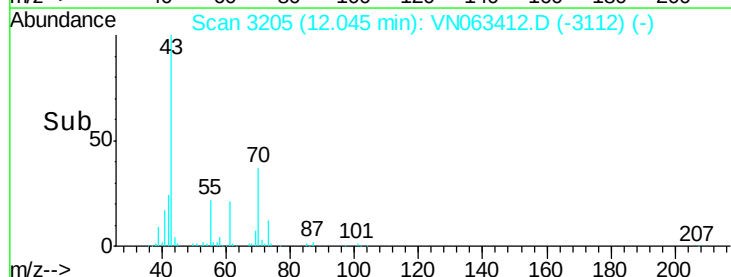
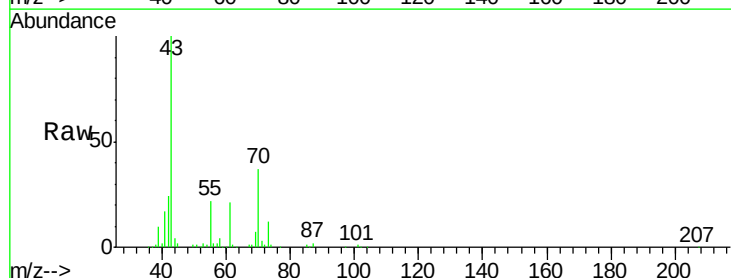
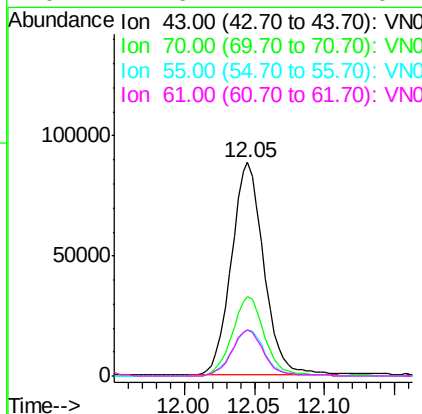
Manual Integrations
APPROVED

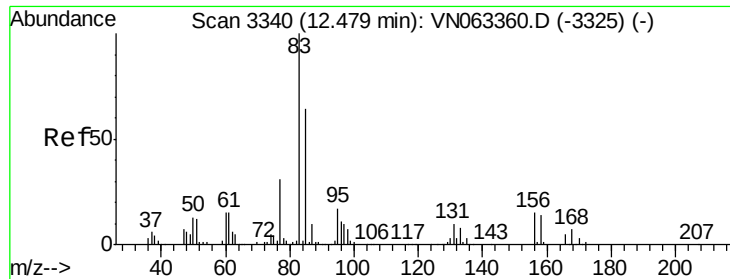
MMDadoda
9/18/2020 2:56:02 PM



#74
N-ethyl acetate
Concen: 19.451 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	29.6	44.4
55	22.0	17.7	26.5
61	21.6	17.4	26.2





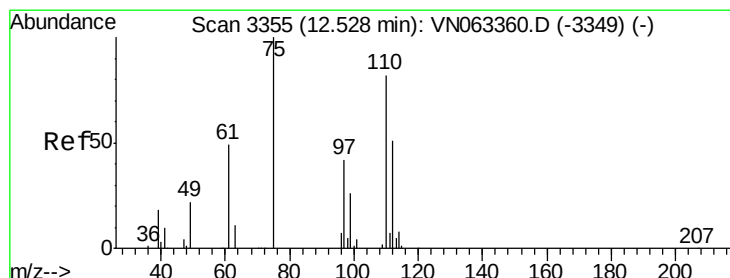
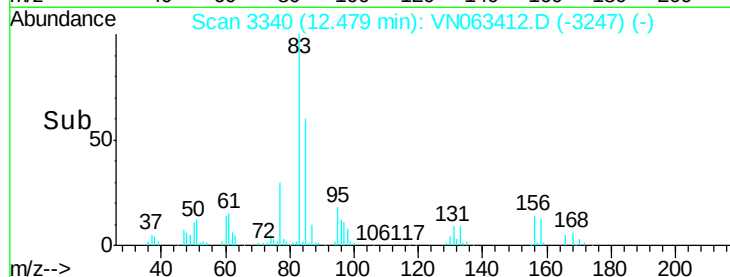
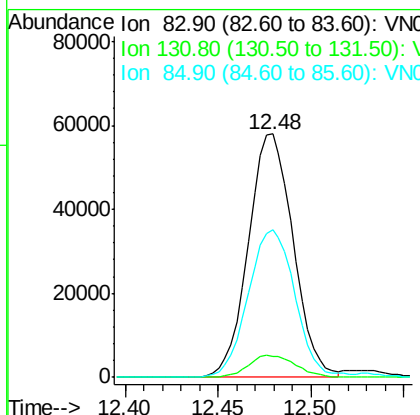
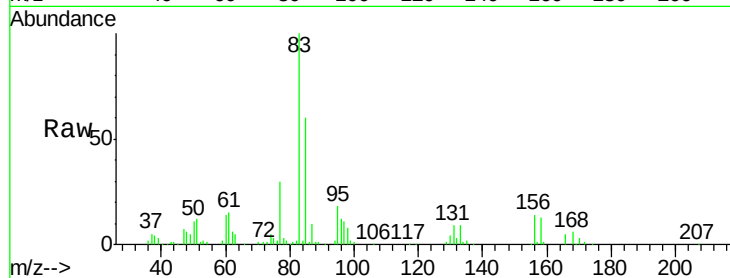
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.327 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.5	4.9	14.7	
85	63.3	32.0	96.0	

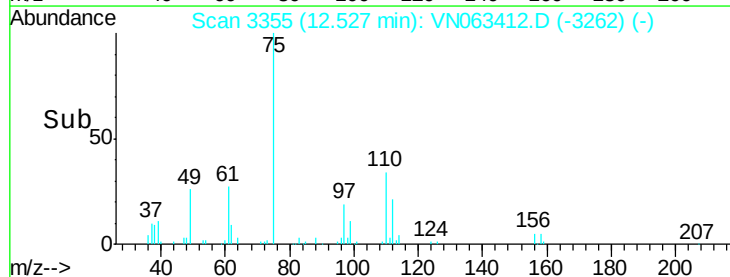
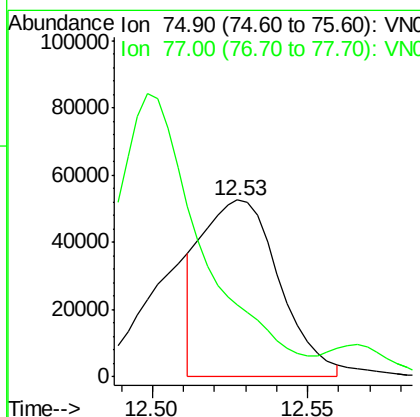
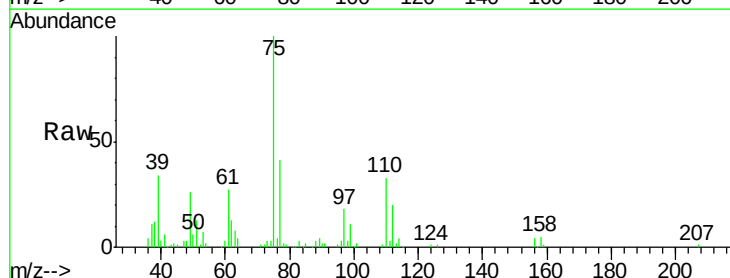
Manual Integrations
 APPROVED

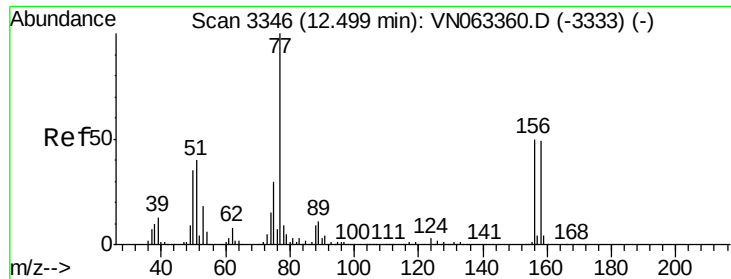
MMDadoda
 9/18/2020 2:56:02 PM



#76
 1,2,3-Trichloropropane
 Concen: 18.941 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

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





#77

Bromobenzene

Concen: 21.042 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

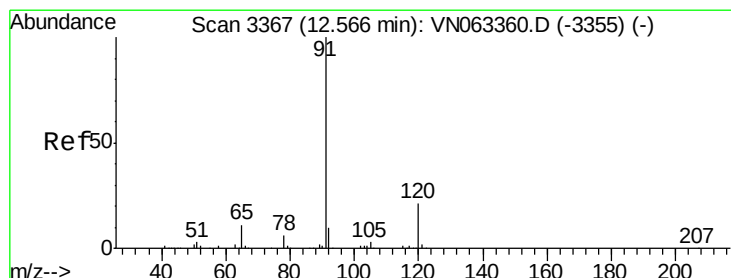
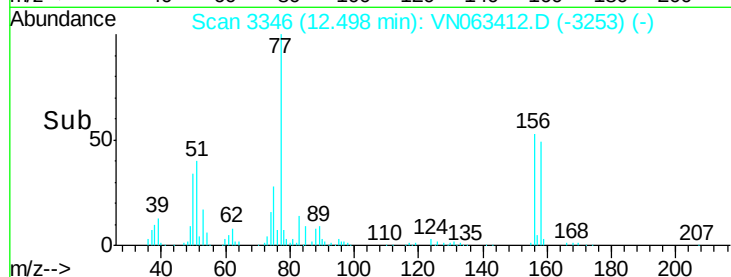
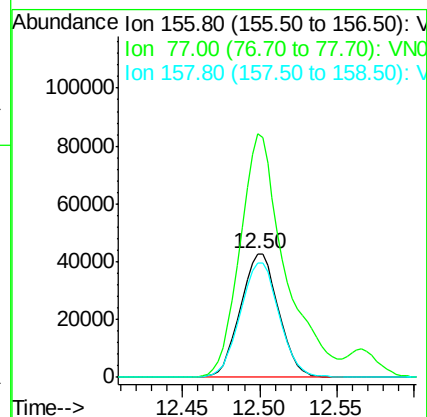
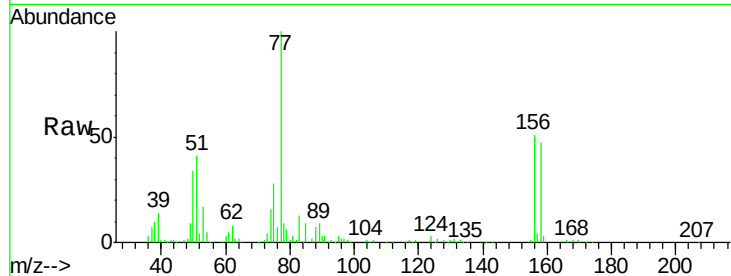
ClientSampleId :

VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.4	120.2	360.6
158	94.8	48.9	146.6

Manual Integrations
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9/18/2020 2:56:02 PM



#78

n-propylbenzene

Concen: 19.956 ug/l

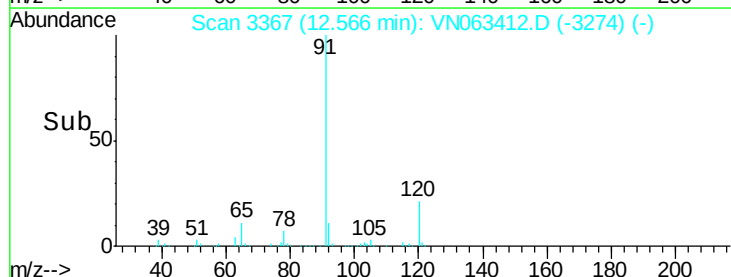
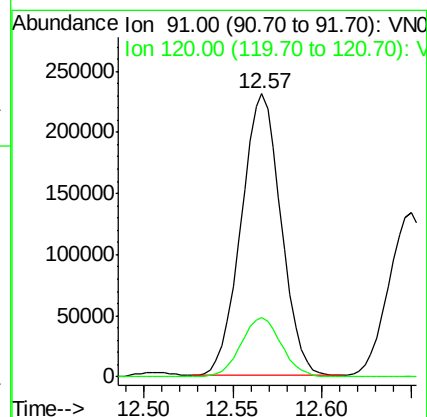
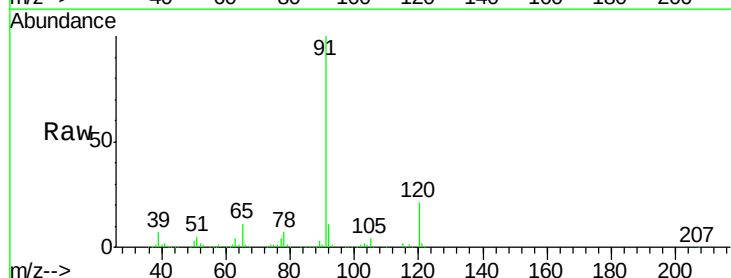
RT: 12.57 min Scan# 3367

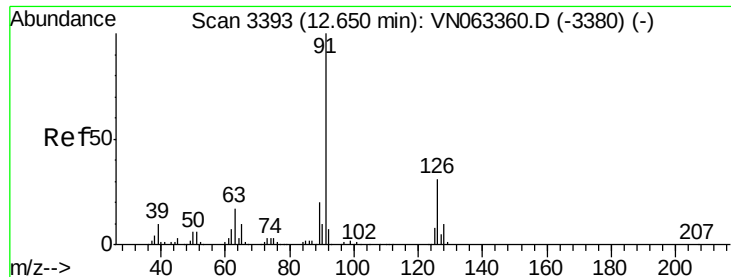
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3





#79

2-Chlorotoluene

Concen: 20.077 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion: 91 Resp: 217269

Ion Ratio Lower Upper

91 100

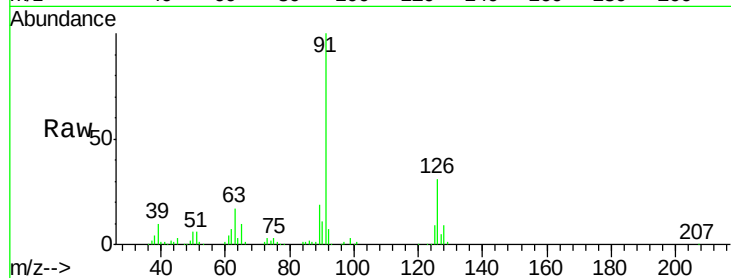
126 30.8 15.8 47.3

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) (-)

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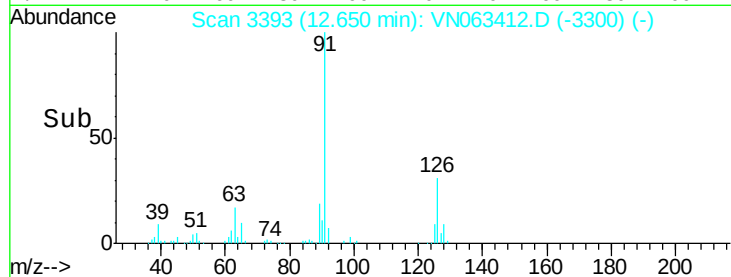
12.65

12.65

12.65

12.65

12.65



#80

1,3,5-Trimethylbenzene

Concen: 20.025 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063412.D

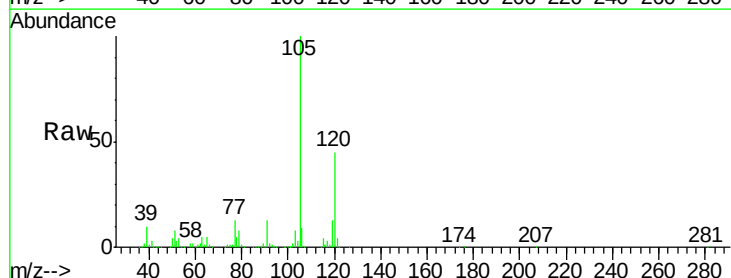
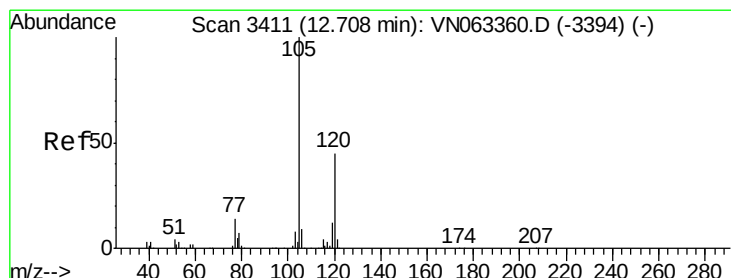
Acq: 17 Sep 2020 12:26

Tgt Ion:105 Resp: 258812

Ion Ratio Lower Upper

105 100

120 46.0 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) (-)

12.71

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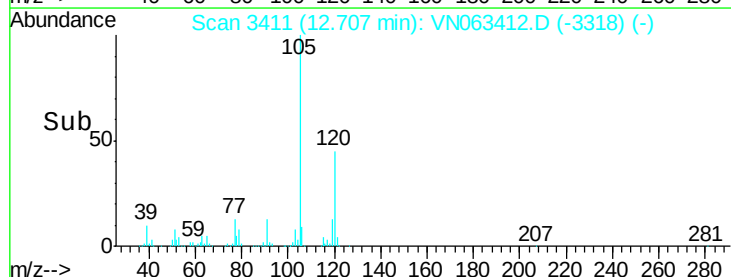
12.71

12.71

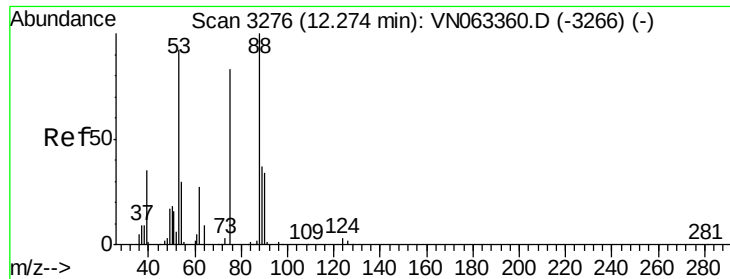
12.71

12.71

12.71



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 18.569 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

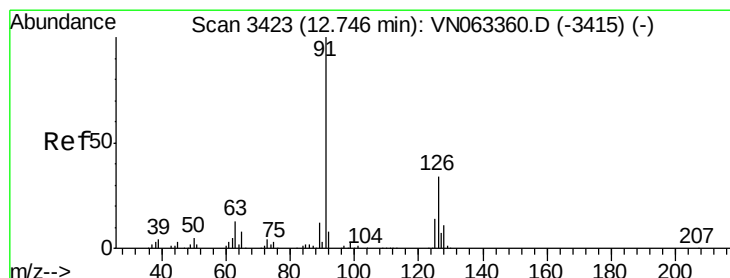
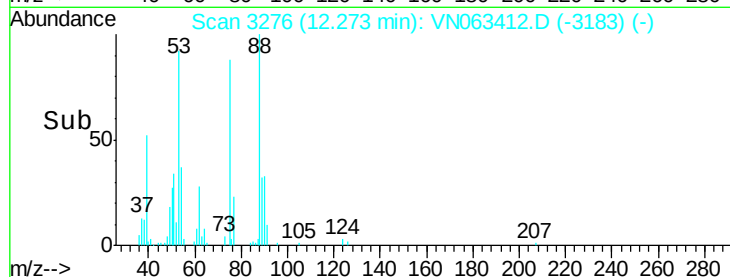
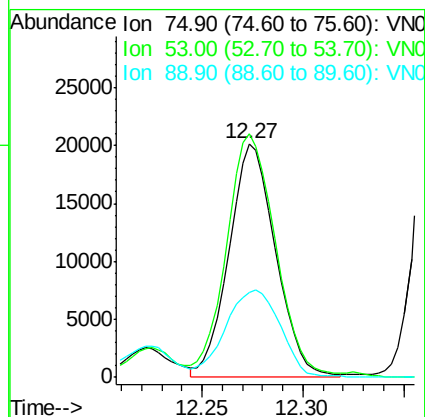
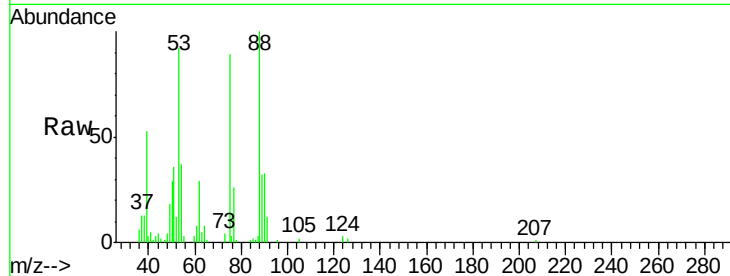
ClientSampleId :

VN0917WBSD01

Tot Ion:	75	Resp:	32425
Ion	Ratio	Lower	Upper
75	100		
53	107.8	85.7	128.5
89	44.2	38.0	57.0

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#82

4-Chlorotoluene

Concen: 19.811 ug/l

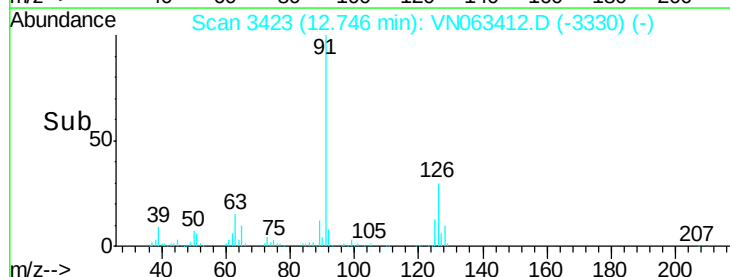
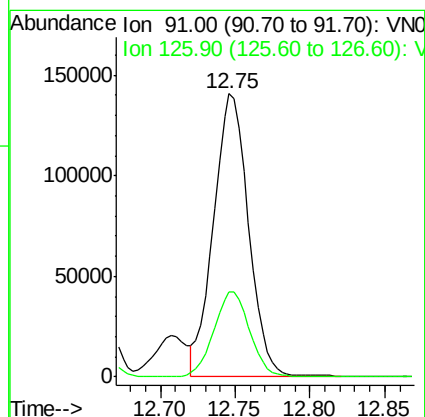
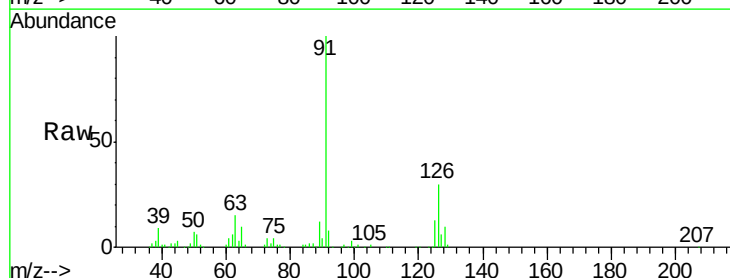
RT: 12.75 min Scan# 3423

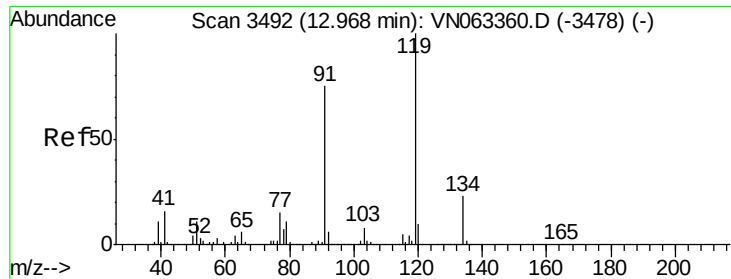
Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Tgt Ion:	91	Resp:	226517
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.5	46.5





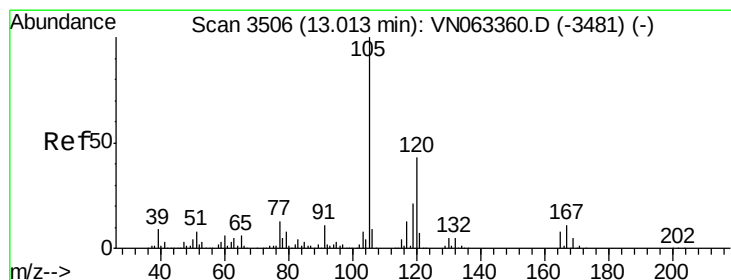
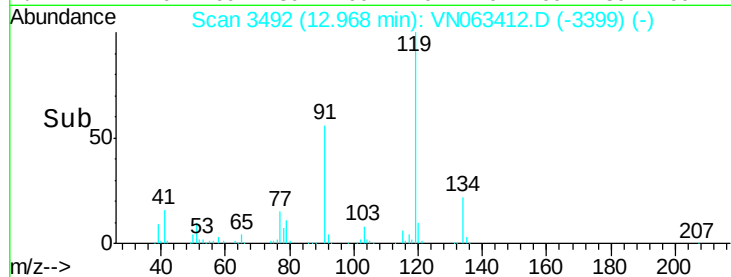
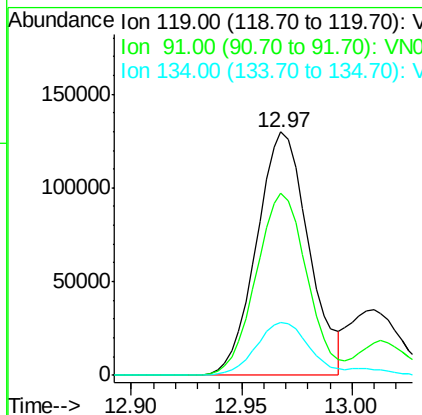
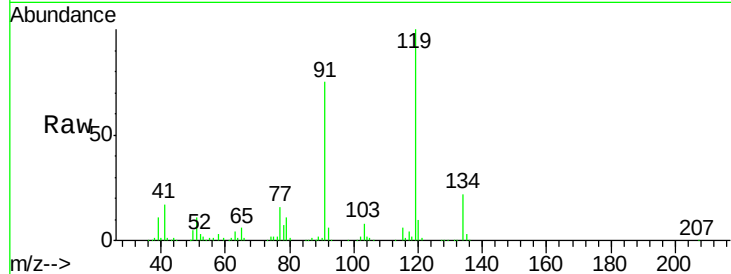
#83
 tert-Butylbenzene
 Concen: 19.904 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.4	36.3	108.9
134	22.1	12.3	36.8

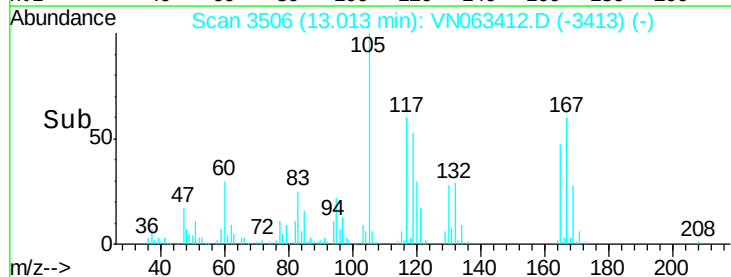
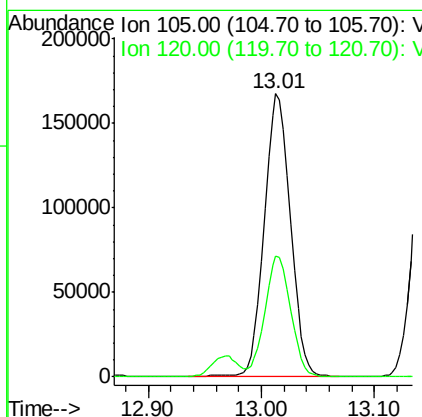
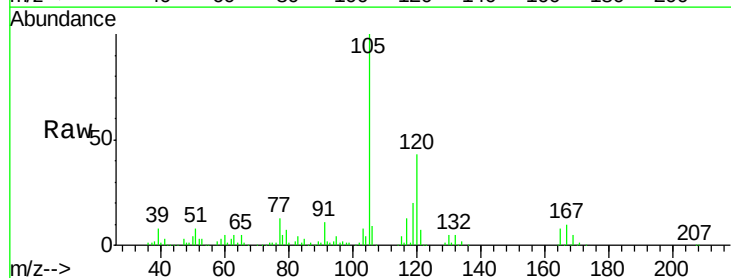
Manual Integrations
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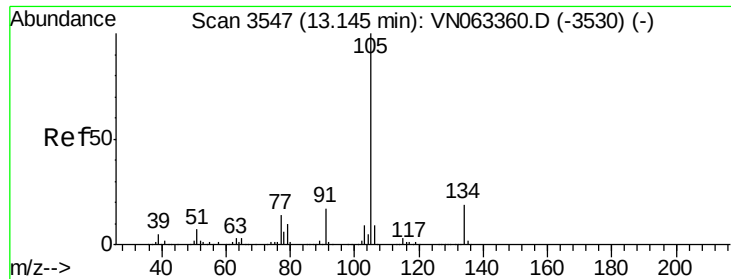
MMDadoda
 9/18/2020 2:56:02 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.670 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.3	63.9





#85

sec-Butylbenzene

Concen: 19.990 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBSD01

Tot Ion:105 Resp: 285439

Ion Ratio Lower Upper

105 100

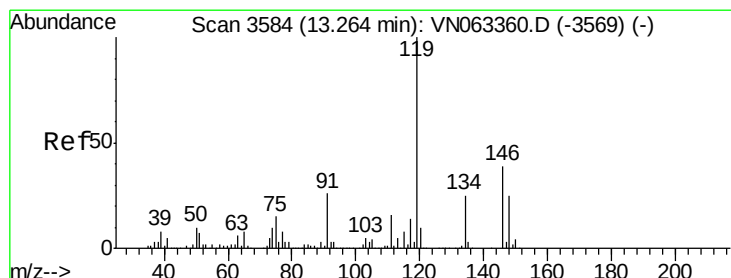
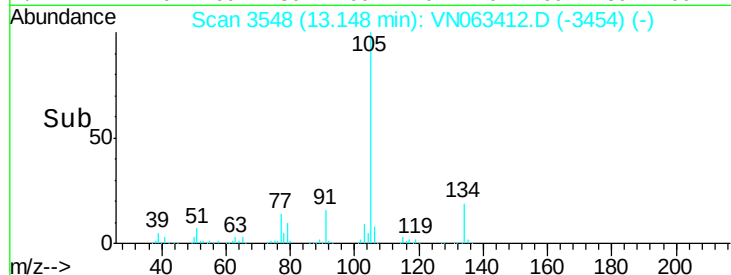
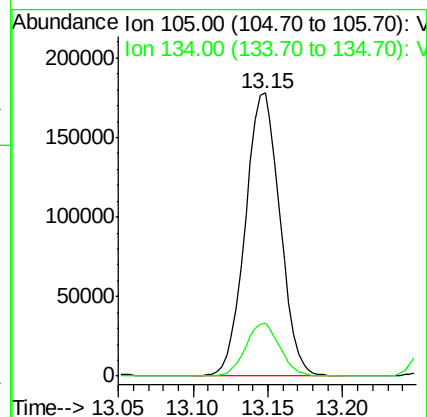
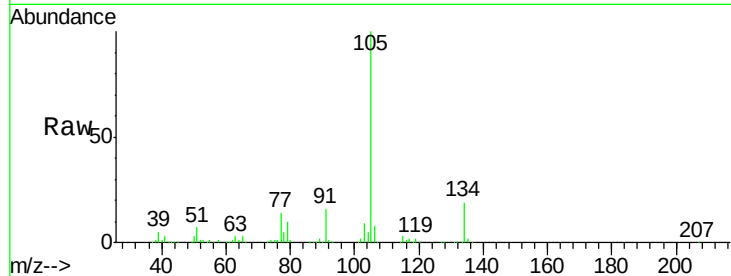
134 18.6 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.429 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063412.D

Acq: 17 Sep 2020 12:26

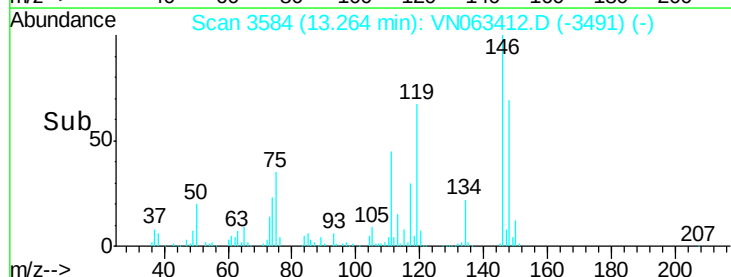
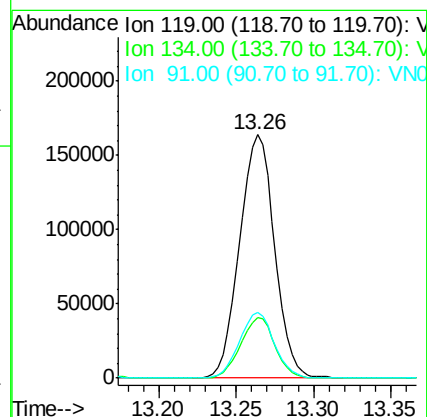
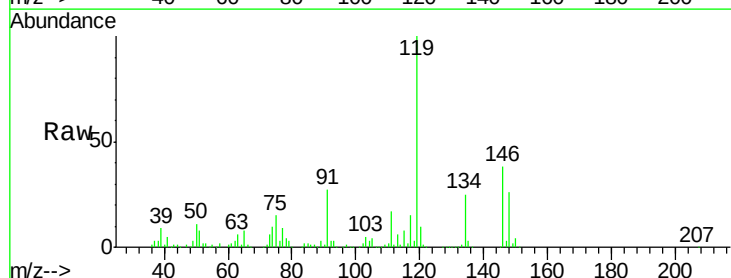
Tgt Ion:119 Resp: 257290

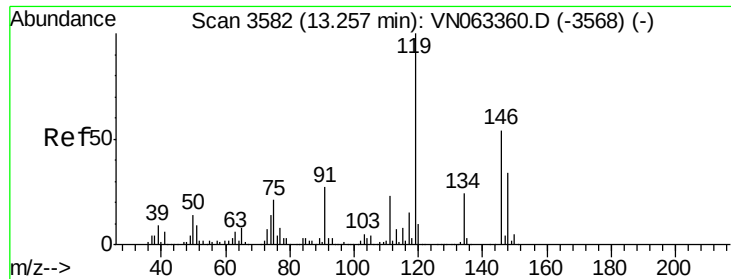
Ion Ratio Lower Upper

119 100

134 24.5 12.5 37.5

91 26.9 13.4 40.1





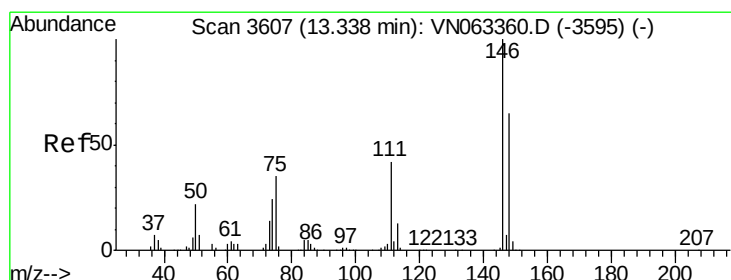
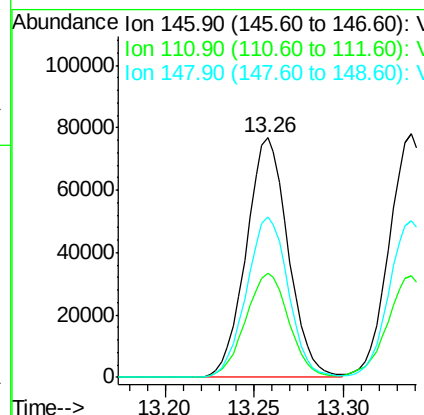
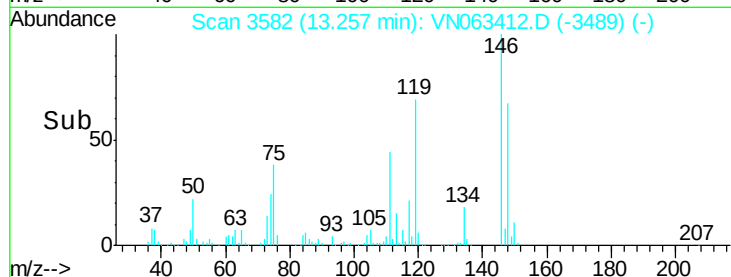
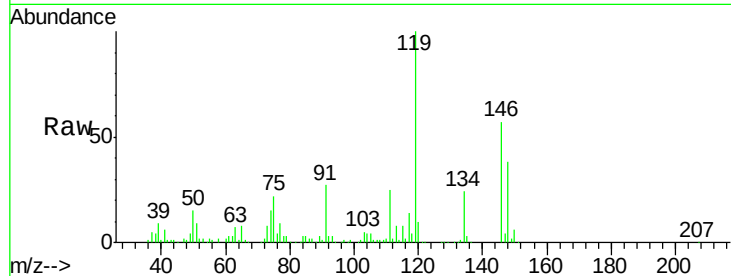
#87
 1,3-Dichlorobenzene
 Concen: 19.532 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.4	64.3
148	66.6	31.9	95.7

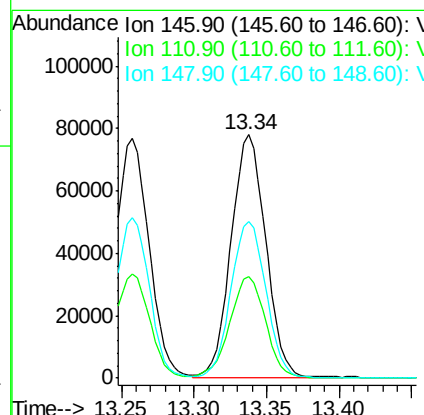
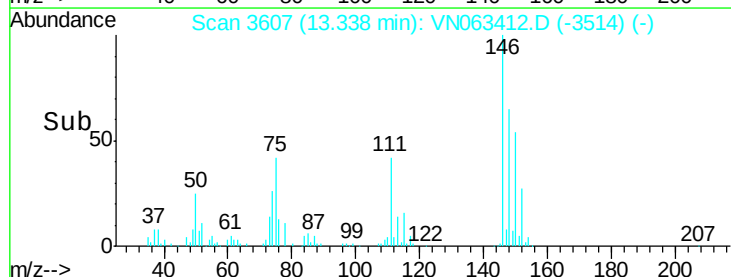
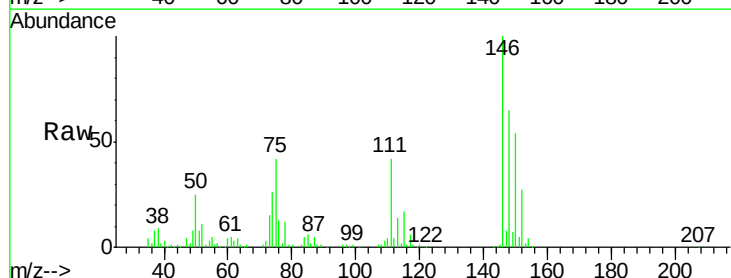
Manual Integrations
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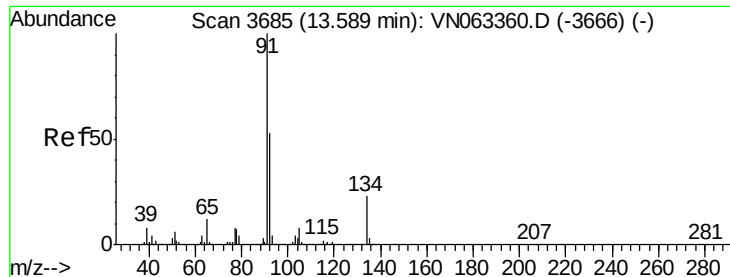
MMDadoda
 9/18/2020 2:56:02 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.690 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.2	63.6
148	64.7	31.9	95.9





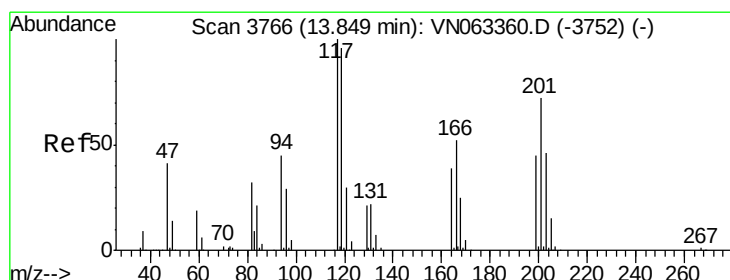
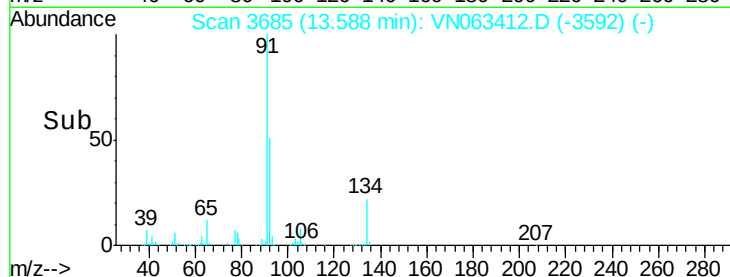
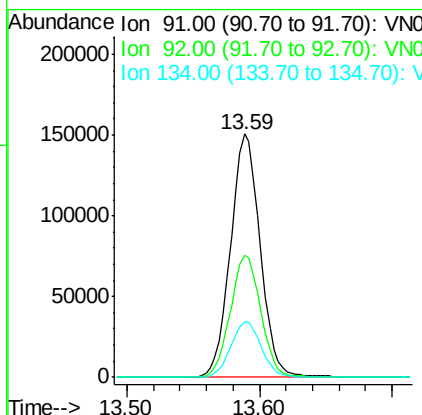
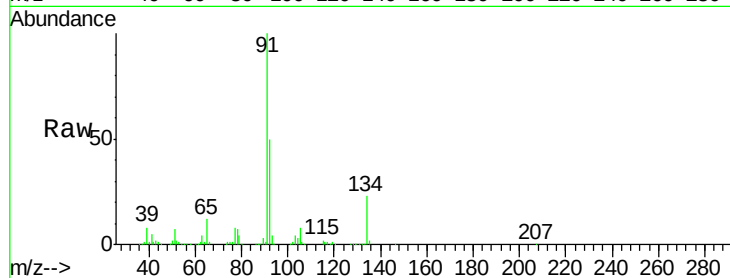
#89
n-Butylbenzene
Concen: 20.141 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	23.8	11.7	35.0

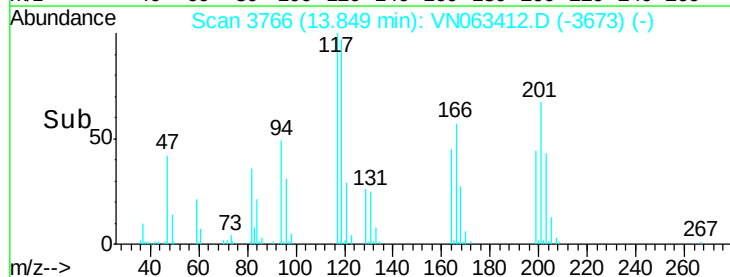
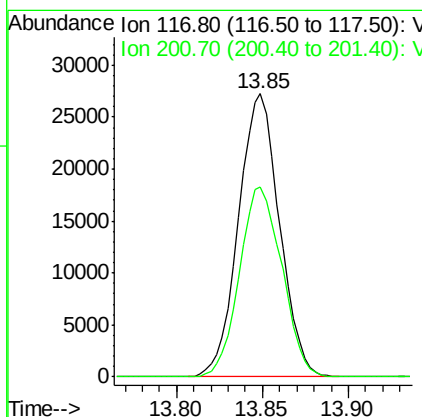
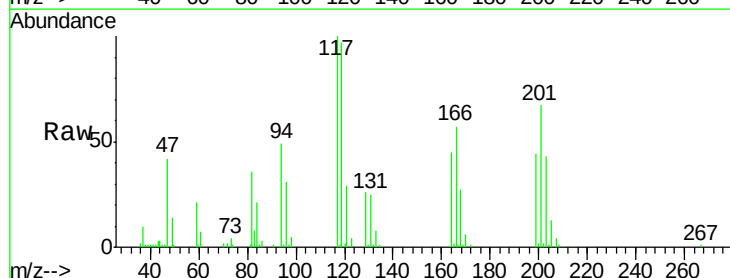
Manual Integrations
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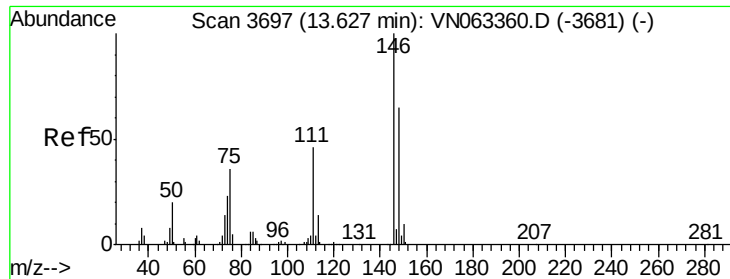
MMDadoda
9/18/2020 2:56:02 PM



#90
Hexachloroethane
Concen: 18.866 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.1	35.5	106.7





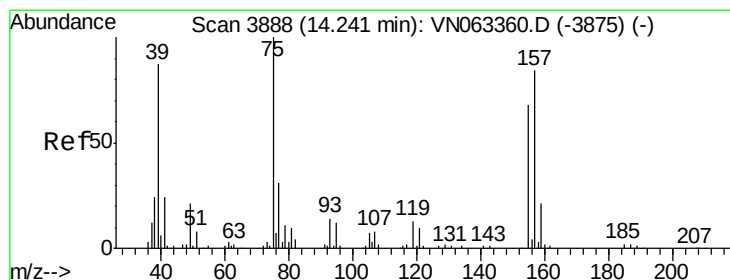
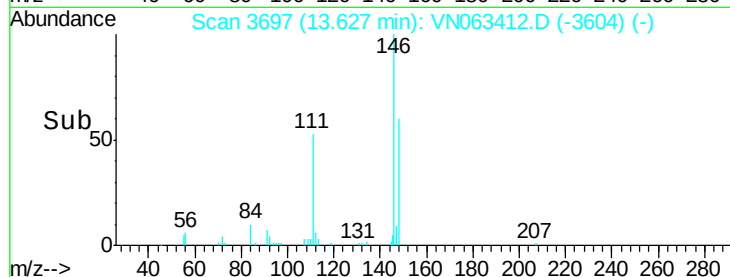
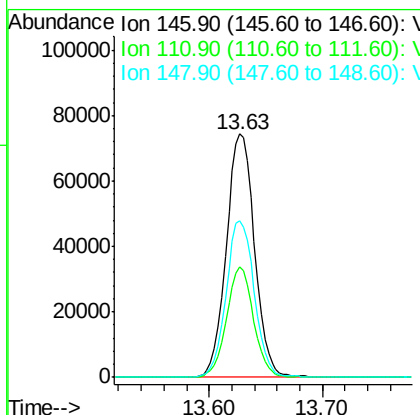
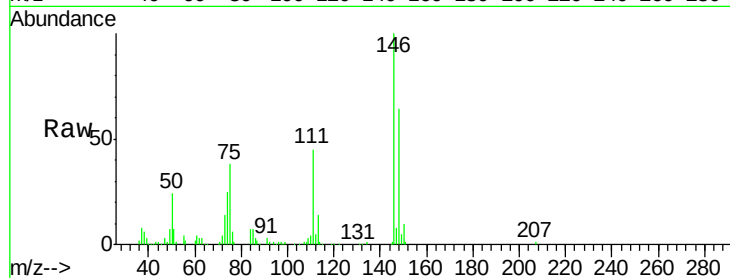
#91
 1,2-Dichlorobenzene
 Concen: 20.389 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.4	67.2
148	64.3	32.0	96.0

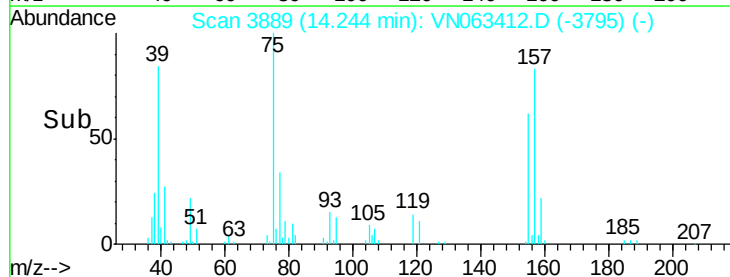
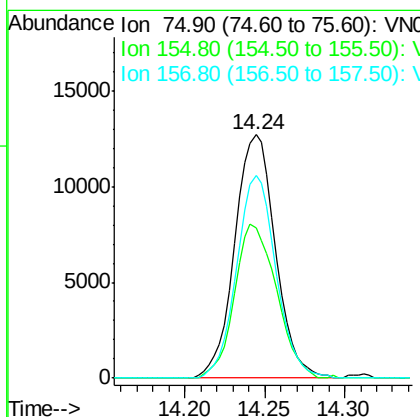
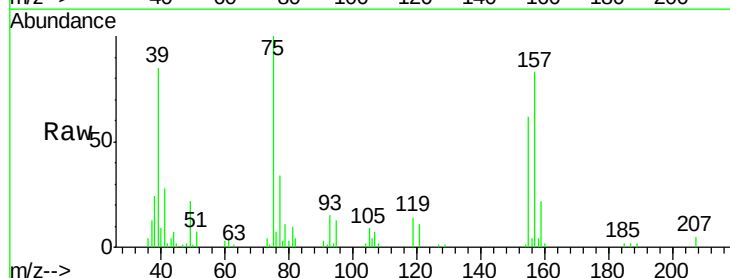
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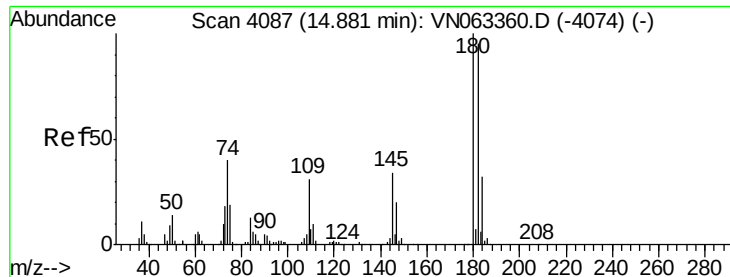
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.267 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.2	34.6	103.9
157	80.5	43.7	131.1





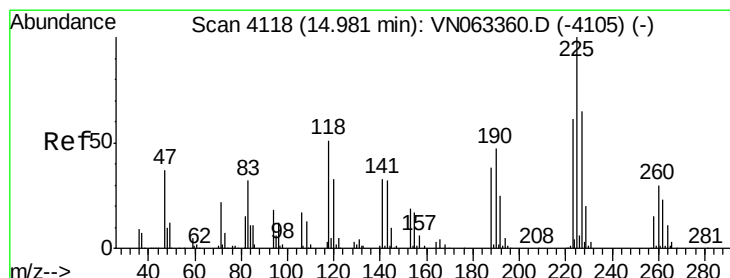
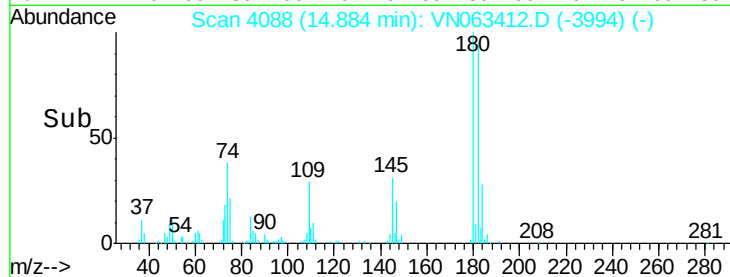
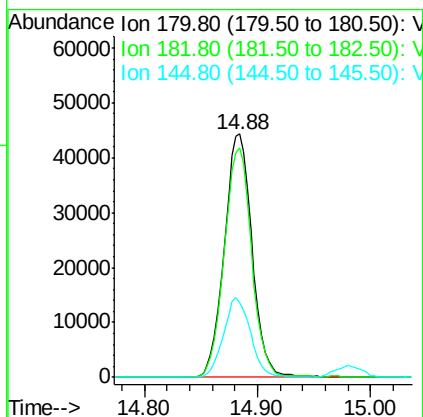
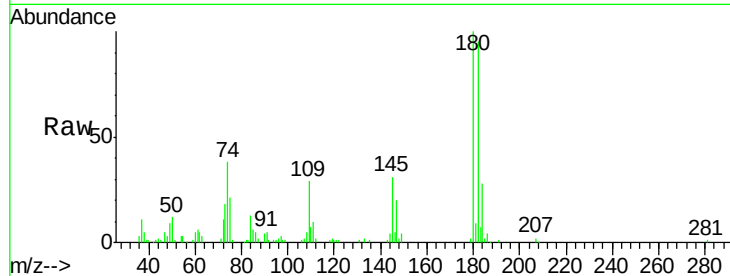
#93
 1,2,4-Trichlorobenzene
 Concen: 20.180 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.3	142.0
145	31.7	16.6	49.7

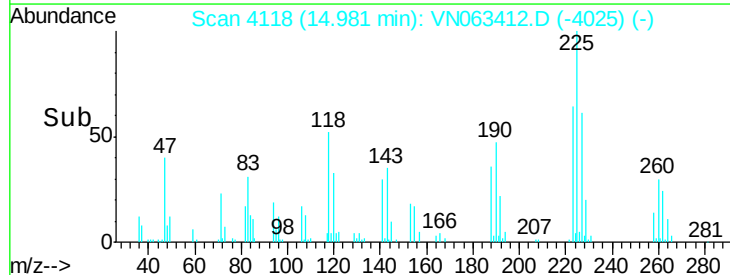
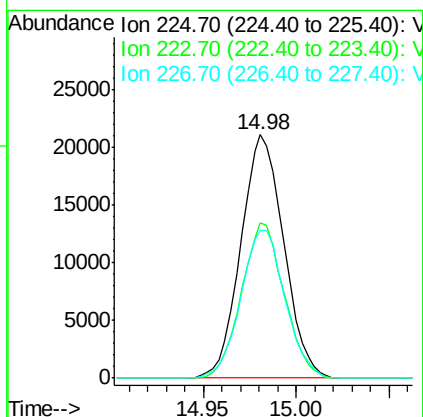
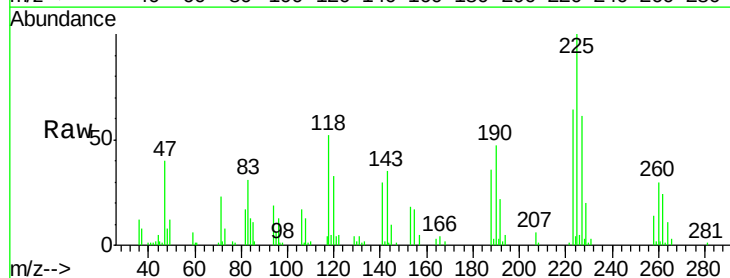
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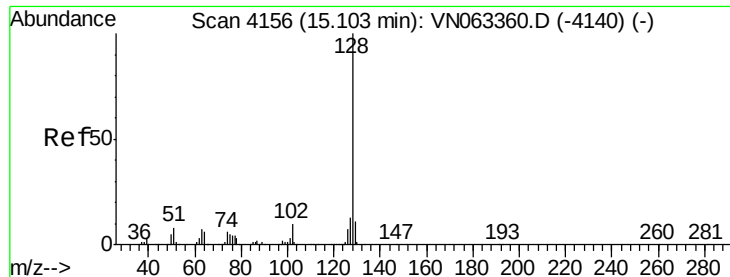
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#94
 Hexachlorobutadiene
 Concen: 21.838 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063412.D
 Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.6	91.6
227	62.7	31.2	93.6





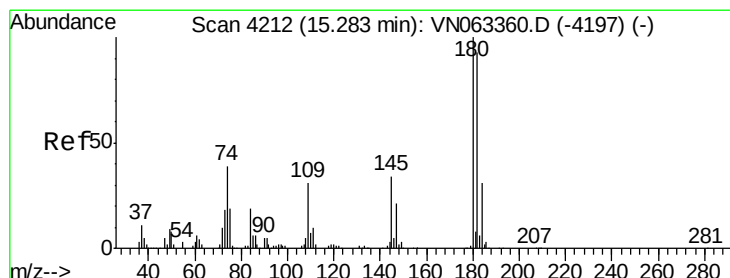
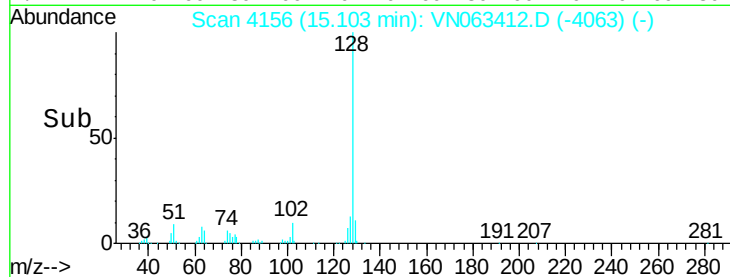
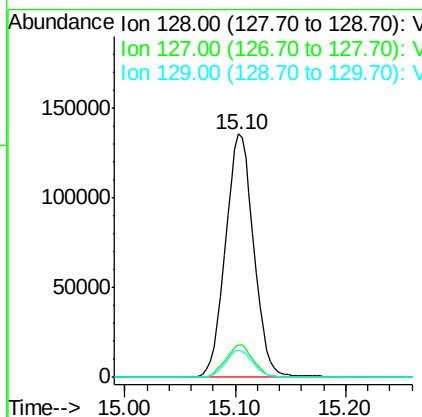
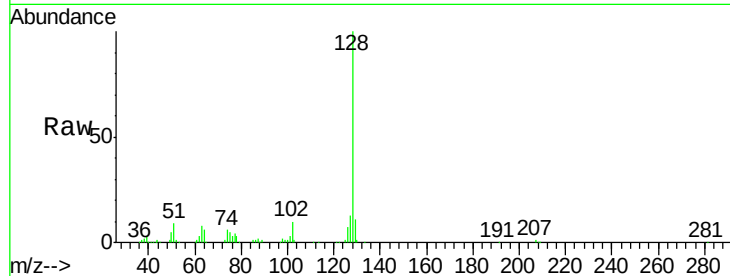
#95
Naphthalene
Concen: 19.497 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.189 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063412.D
Acq: 17 Sep 2020 12:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	46.7	140.1
145	33.0	16.8	50.3

