

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063408.D
 Acq On : 17 Sep 2020 10:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 2:55:48 PM

Quant Time: Sep 18 02:54:37 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	280548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	478925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	445762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	221960	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
35) Dibromofluoromethane	7.55	113	150919	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
50) Toluene-d8	10.06	98	593365	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
62) 4-Bromofluorobenzene	12.38	95	230585	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	154777	48.697	ug/l	99
3) Chloromethane	2.04	50	186121	44.266	ug/l	99
4) Vinyl Chloride	2.16	62	179002	48.051	ug/l	100
5) Bromomethane	2.53	94	115210	52.088	ug/l	99
6) Chloroethane	2.67	64	107707	47.101	ug/l	98
7) Trichlorofluoromethane	2.98	101	277492	49.927	ug/l	98
8) Diethyl Ether	3.37	74	108331	49.999	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	153477	49.102	ug/l	100
10) Methyl Iodide	3.91	142	200066	49.163	ug/l	100
11) Tert butyl alcohol	4.72	59	151648	229.214	ug/l	100
12) 1,1-Dichloroethene	3.70	96	146699	46.337	ug/l	100
13) Acrolein	3.56	56	72827	297.036	ug/l	98
14) Allyl chloride	4.28	41	296372	47.326	ug/l	99
15) Acrylonitrile	4.92	53	406445	241.516	ug/l	99
16) Acetone	3.77	43	352022	229.357	ug/l	98
17) Carbon Disulfide	4.01	76	426899	46.357	ug/l	99
18) Methyl Acetate	4.27	43	191152	49.059	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	570268	48.329	ug/l	99
20) Methylene Chloride	4.50	84	181016	46.550	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	163180	46.521	ug/l	96
22) Diisopropyl ether	5.90	45	610282	47.783	ug/l	100
23) Vinyl Acetate	5.84	43	2595963	247.490	ug/l	99
24) 1,1-Dichloroethane	5.79	63	328700	47.140	ug/l	99
25) 2-Butanone	6.78	43	567541	240.431	ug/l	99
26) 2,2-Dichloropropane	6.77	77	287292	46.796	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	192796	48.561	ug/l	99
28) Bromochloromethane	7.15	49	151363	47.013	ug/l	100
29) Tetrahydrofuran	7.16	42	377801	234.341	ug/l	100
30) Chloroform	7.33	83	337803	48.287	ug/l	99
31) Cyclohexane	7.61	56	291678	44.222	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	298192	47.923	ug/l	99
36) 1,1-Dichloropropene	7.75	75	251587	49.309	ug/l	99
37) Ethyl Acetate	6.87	43	247451	49.415	ug/l	99
38) Carbon Tetrachloride	7.73	117	254825	48.926	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	276932	50.009	ug/l	98
40) Benzene	8.00	78	715501	49.125	ug/l	99
41) Methacrylonitrile	7.12	41	114722	50.936	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	296967	50.700	ug/l	100
43) Isopropyl Acetate	8.12	43	427818	47.778	ug/l #	90
44) Trichloroethene	8.80	130	177625	50.280	ug/l	97
45) 1,2-Dichloropropane	9.08	63	200401	50.518	ug/l	98
46) Dibromomethane	9.17	93	132383	50.774	ug/l	100
47) Bromodichloromethane	9.37	83	274728	50.720	ug/l	98
48) Methyl methacrylate	9.16	41	212376	48.275	ug/l	97
49) 1,4-Dioxane	9.16	88	62315	987.058	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	1248140	248.987	ug/l	100
52) Toluene	10.12	92	451814	51.594	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	310436	51.337	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	330491	51.815	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	179401	51.577	ug/l	97
56) Ethyl methacrylate	10.40	69	280489	51.655	ug/l	99
57) 1,3-Dichloropropane	10.68	76	315872	50.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	741306	260.243	ug/l	99
59) 2-Hexanone	10.72	43	933183	256.956	ug/l	100
60) Dibromochloromethane	10.87	129	202463	51.523	ug/l	99
61) 1,2-Dibromoethane	10.98	107	190483	52.711	ug/l	98
64) Tetrachloroethene	10.60	164	159744	52.628	ug/l	98
65) Chlorobenzene	11.41	112	473408	50.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	177026	51.038	ug/l	100
67) Ethyl Benzene	11.48	91	898233	50.408	ug/l	99
68) m/p-Xylenes	11.60	106	659526	102.654	ug/l	100
69) o-Xylene	11.92	106	316226	51.669	ug/l	98
70) Styrene	11.94	104	546877	53.284	ug/l	99
71) Bromoform	12.10	173	134915	52.213	ug/l #	99
73) Isopropylbenzene	12.22	105	864947	49.887	ug/l	100
74) N-amyl acetate	12.05	43	403544	49.169	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	263190	49.026	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	240316m	44.875	ug/l	
77) Bromobenzene	12.50	156	199125	51.056	ug/l	98
78) n-propylbenzene	12.57	91	1027568	50.885	ug/l	100
79) 2-Chlorotoluene	12.65	91	614609	50.772	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	735842	50.896	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	94984	48.627	ug/l	99
82) 4-Chlorotoluene	12.75	91	651748	50.957	ug/l	99
83) tert-Butylbenzene	12.97	119	602438	50.487	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	741487	50.774	ug/l	99
85) sec-Butylbenzene	13.14	105	808892	50.643	ug/l	100
86) p-Isopropyltoluene	13.26	119	729992	51.817	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	368798	51.019	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	372949	50.745	ug/l	99
89) n-Butylbenzene	13.59	91	685645	52.801	ug/l	99
90) Hexachloroethane	13.85	117	132889	49.538	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	357397	50.359	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	61103	47.798	ug/l	99

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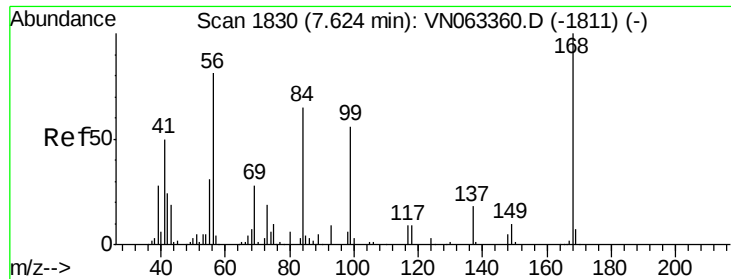
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	213502	51.029	ug/l	99
94) Hexachlorobutadiene	14.98	225	93166	53.788	ug/l	98
95) Naphthalene	15.10	128	679406	49.151	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	200748	49.658	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063408.D

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Instrument :

MSVOA_N

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VSTDCCC050

Tot Ion:168 Resp: 280548

Ion Ratio Lower Upper

168 100

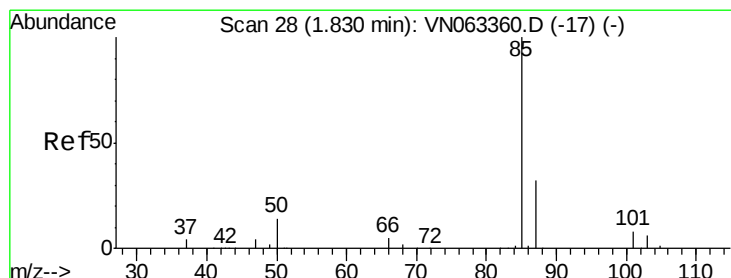
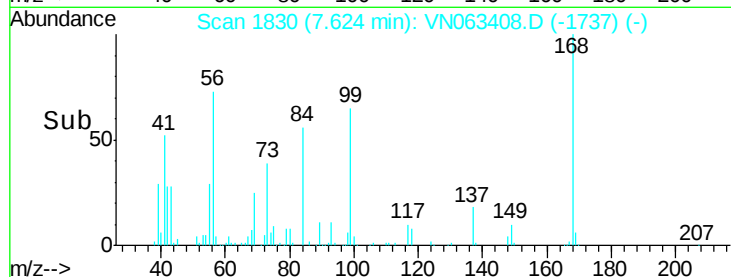
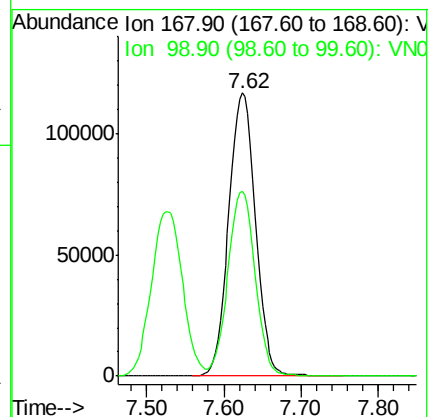
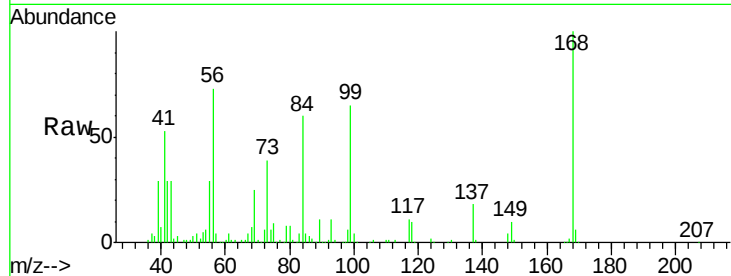
99 65.1 53.0 79.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.697 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063408.D

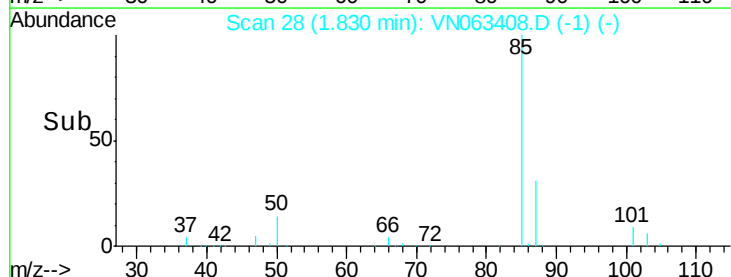
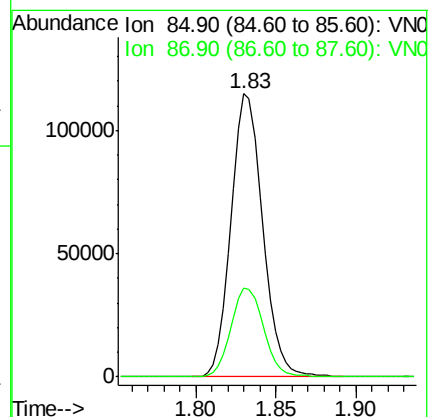
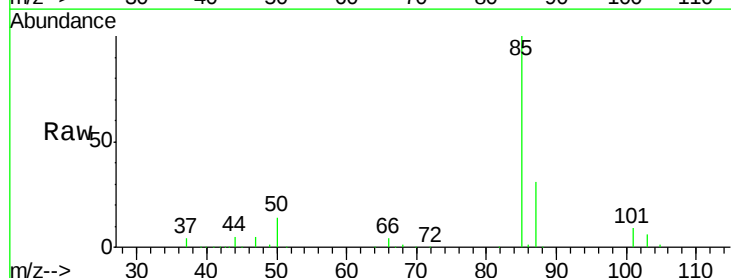
Acq: 17 Sep 2020 10:27

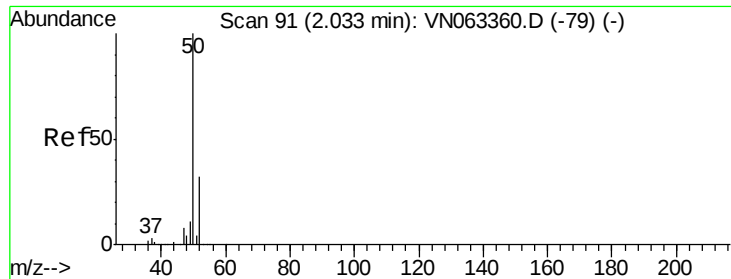
Tgt Ion: 85 Resp: 154777

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6





#3

Chloromethane

Concen: 44.266 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 186121

Ion Ratio Lower Upper

50 100

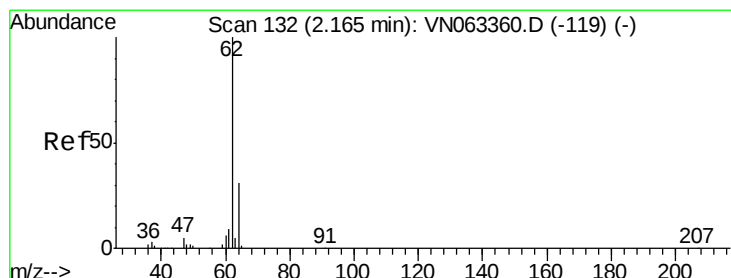
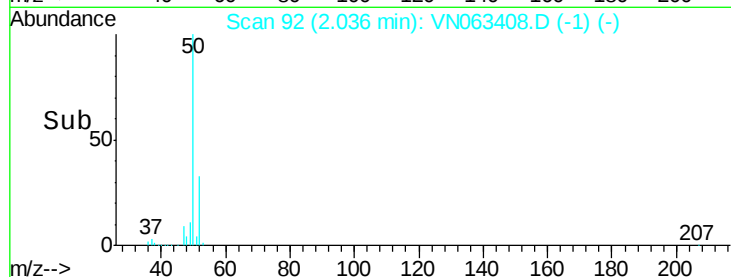
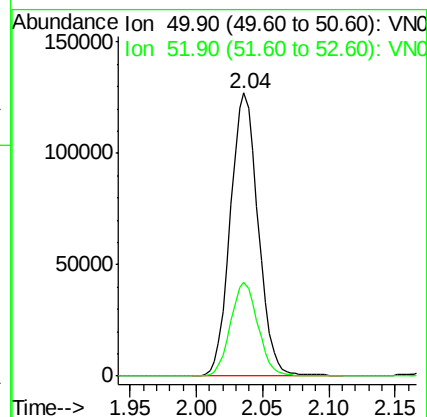
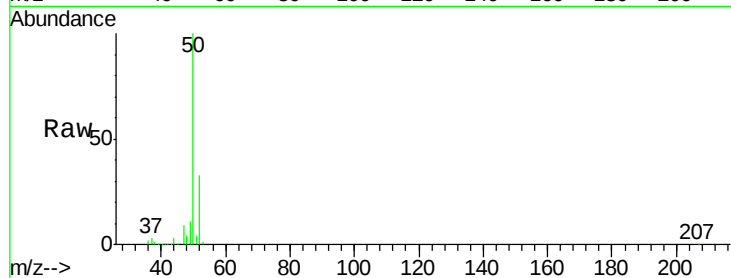
52 33.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.051 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063408.D

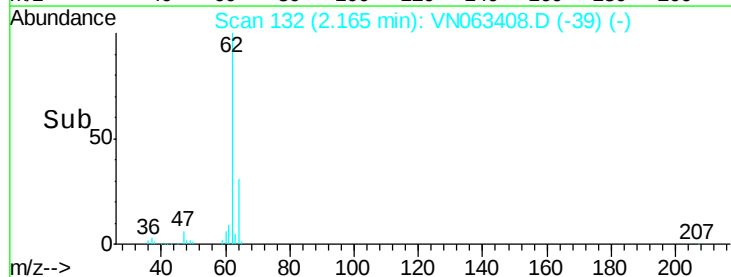
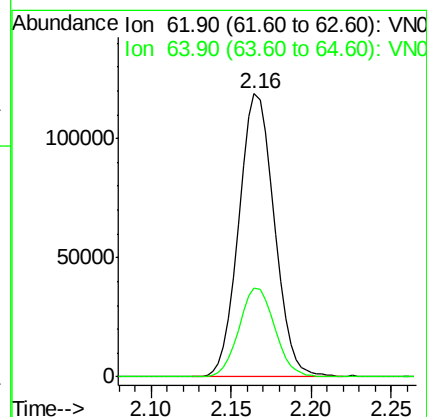
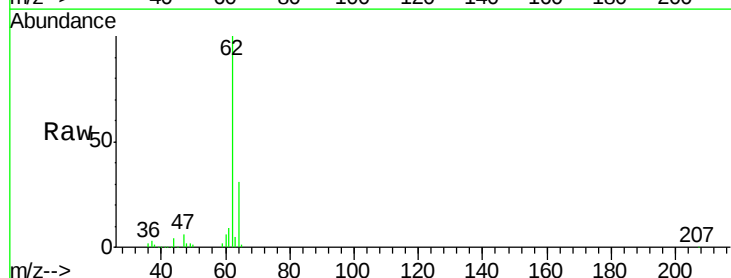
Acq: 17 Sep 2020 10:27

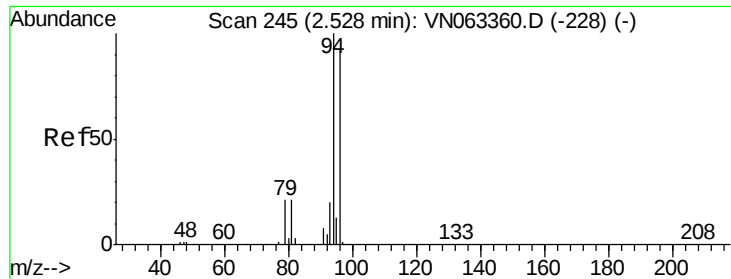
Tgt Ion: 62 Resp: 179002

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 52.088 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 115210

Ion Ratio Lower Upper

94 100

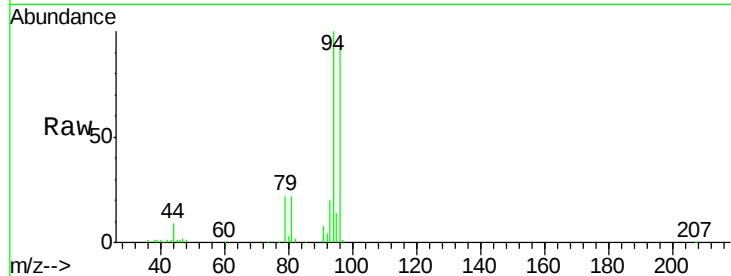
96 91.9 74.5 111.7

Manual Integrations

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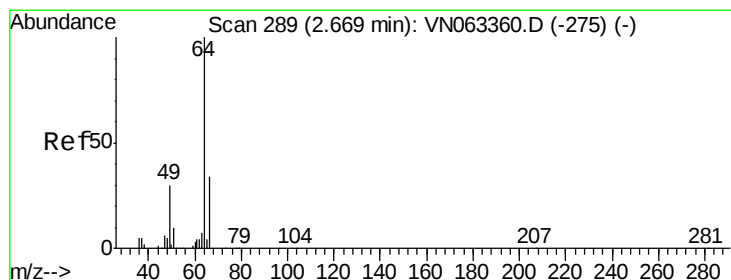
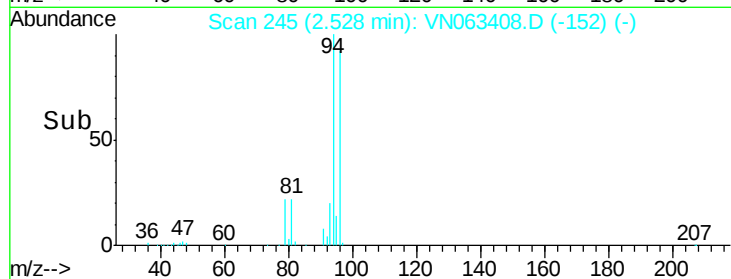
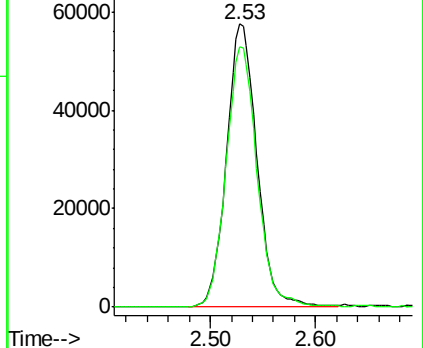
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.101 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063408.D

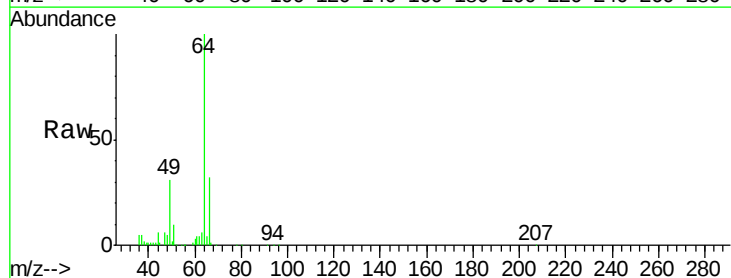
Acq: 17 Sep 2020 10:27

Tgt Ion: 64 Resp: 107707

Ion Ratio Lower Upper

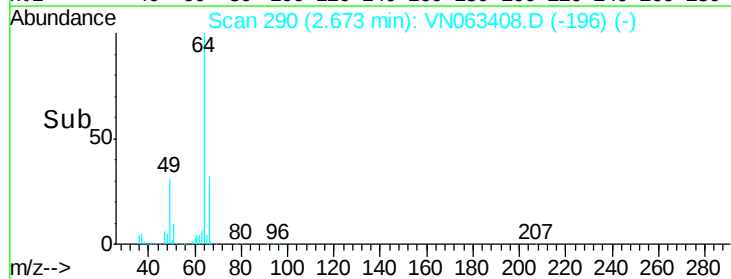
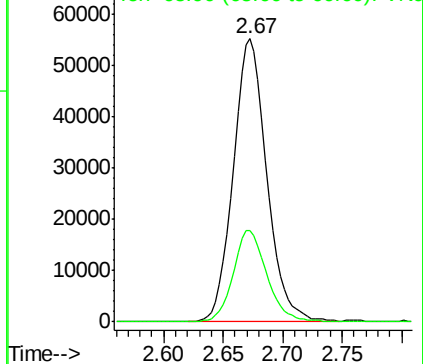
64 100

66 32.5 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

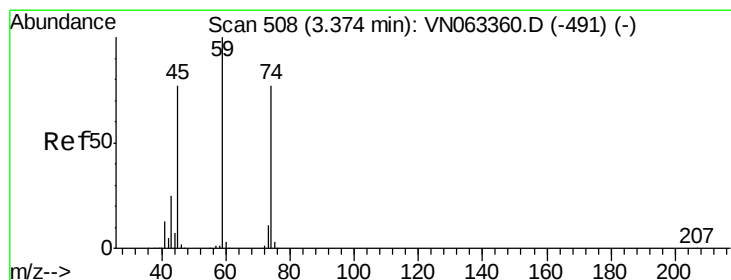
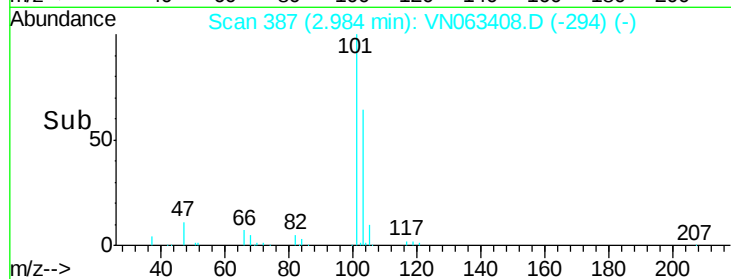
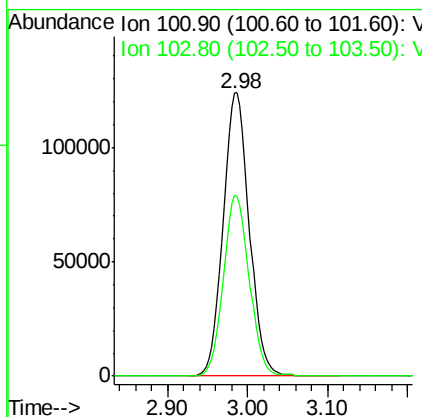
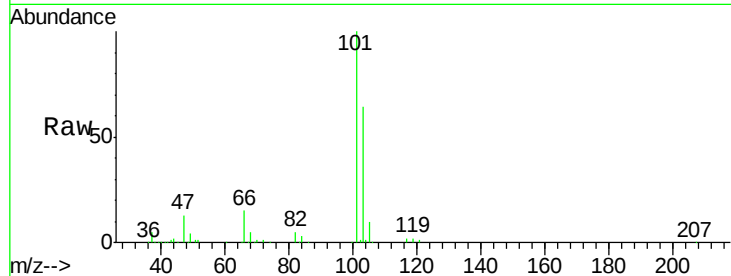
Trichlorofluoromethane
Concen: 49.927 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

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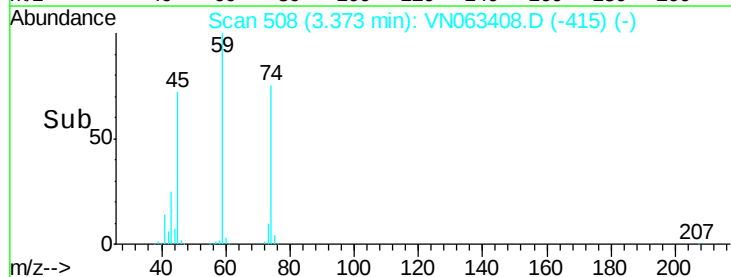
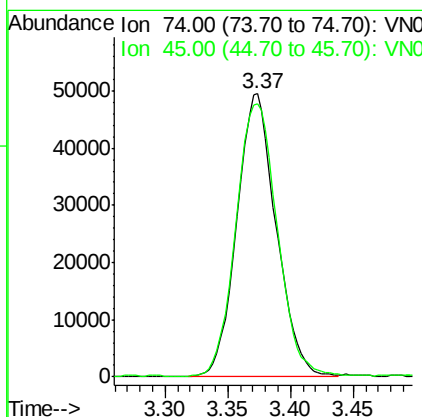
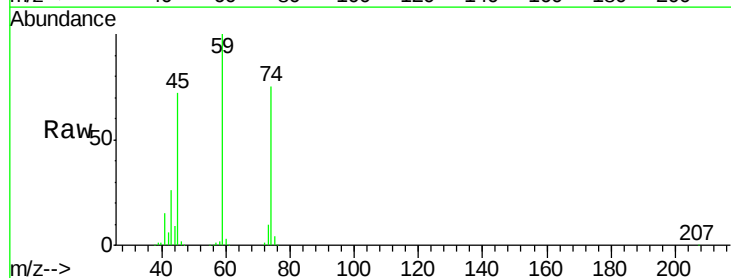
MMDadoda
9/18/2020 2:55:48 PM

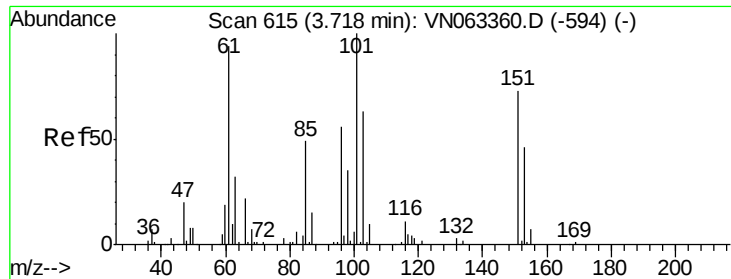


#8

Diethyl Ether
Concen: 49.999 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.102 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

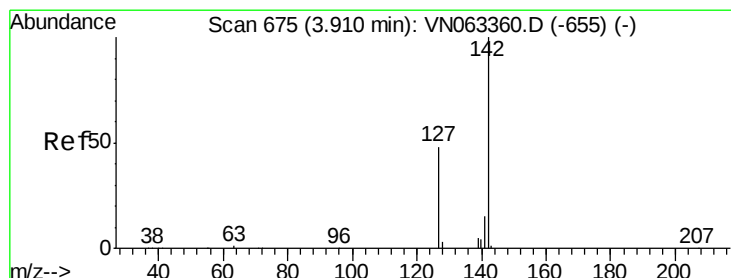
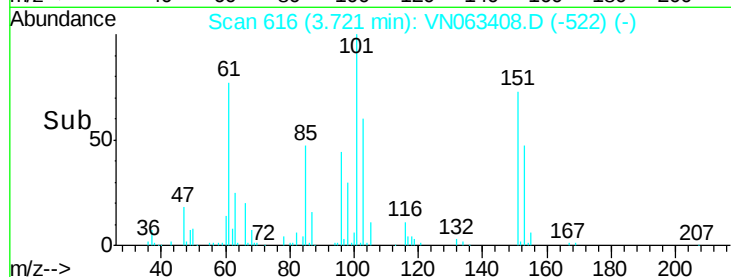
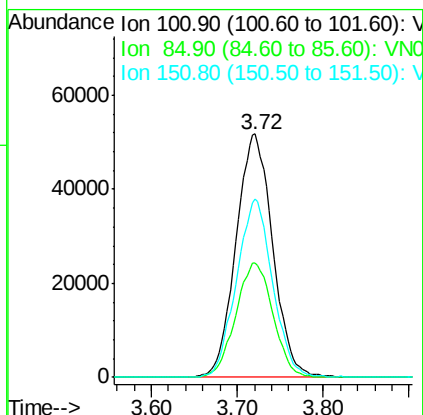
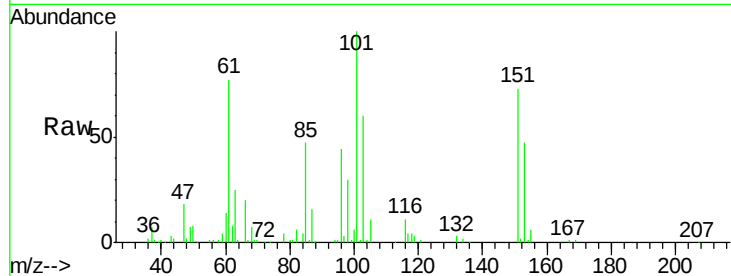
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	153477
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.7	56.5
151	72.2	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 49.163 ug/l

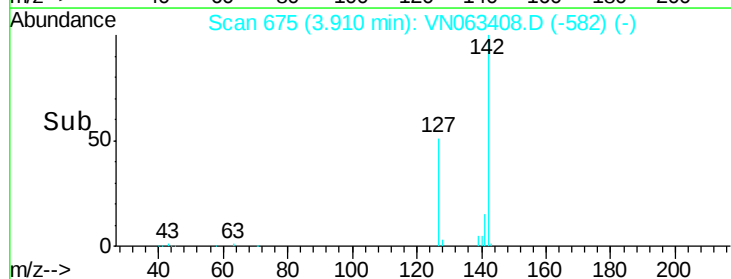
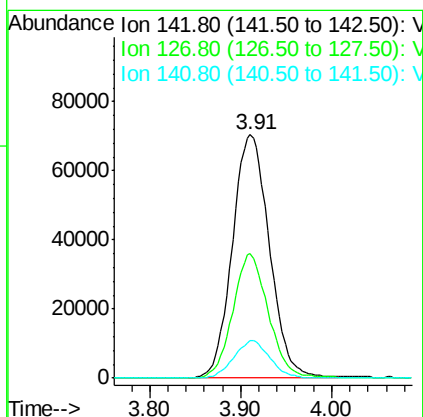
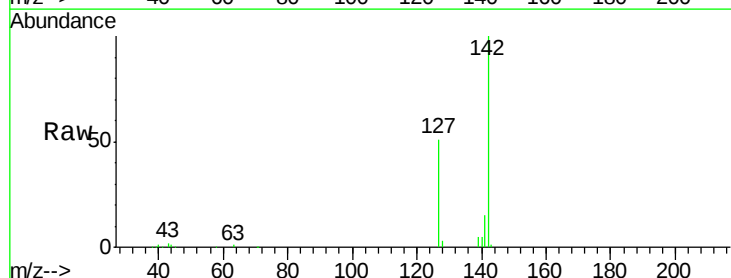
RT: 3.91 min Scan# 675

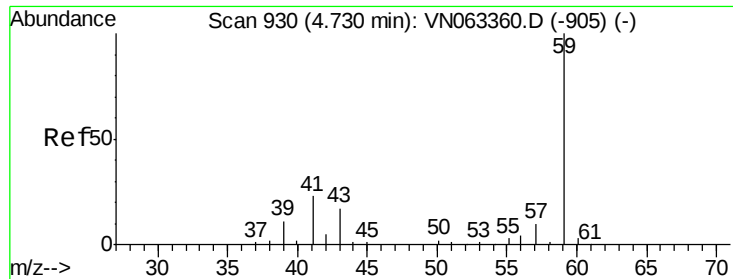
Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	142	Resp:	200066
Ion Ratio	Lower	Upper	
142	100		
127	48.7	39.0	58.6
141	14.8	11.6	17.4





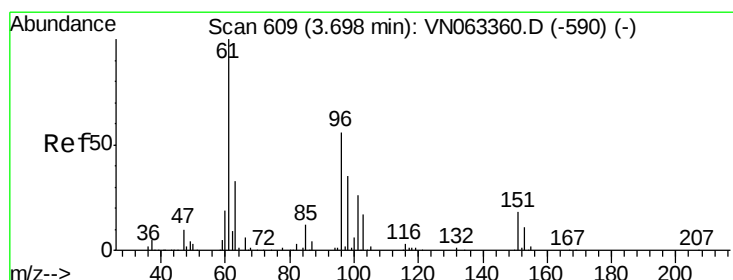
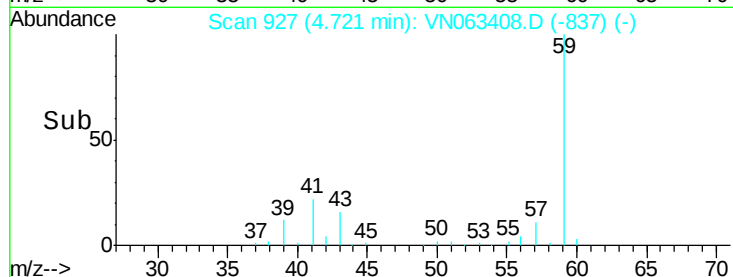
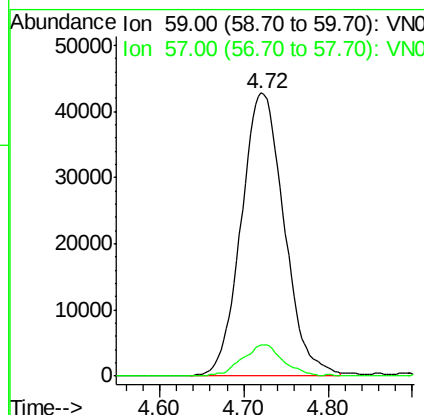
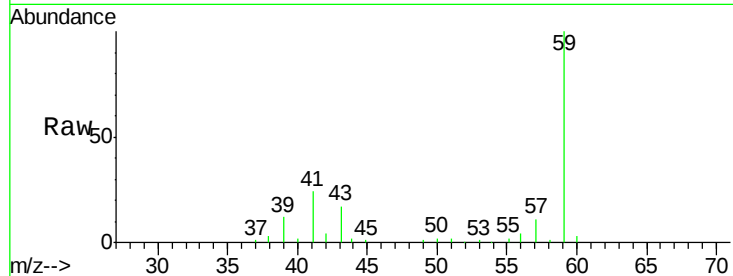
#11
Tert butyl alcohol
Concen: 229.214 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	151648		
57	10.5		8.4	12.6

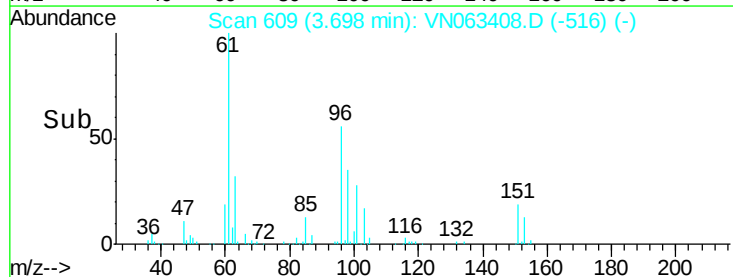
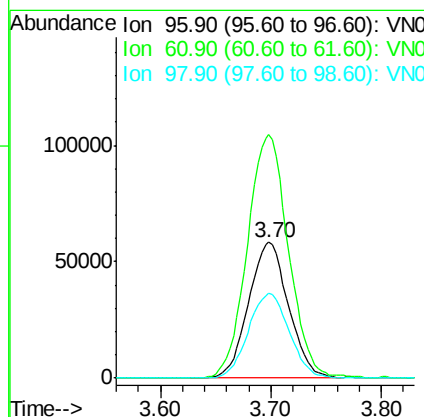
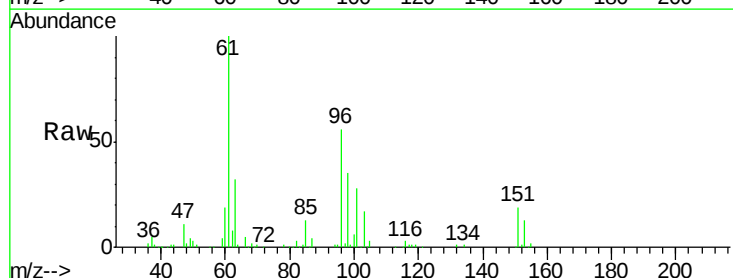
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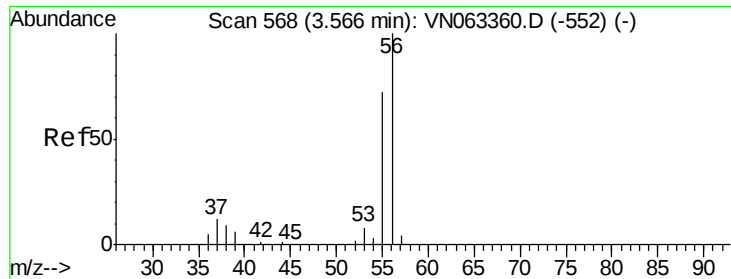
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#12
1,1-Dichloroethene
Concen: 46.337 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	146699		
61	179.0		143.4	215.2
98	62.4		50.6	76.0





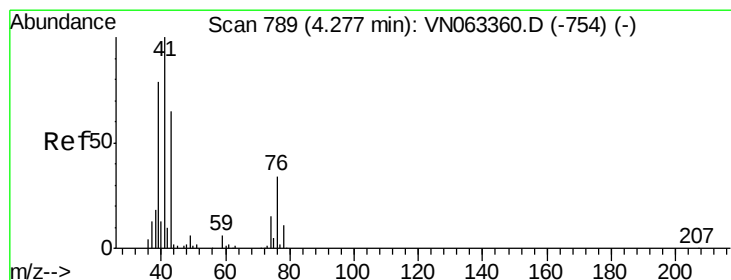
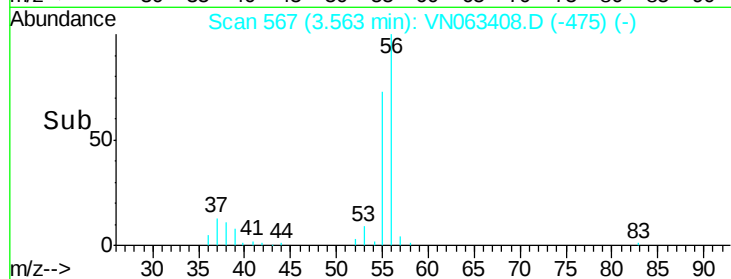
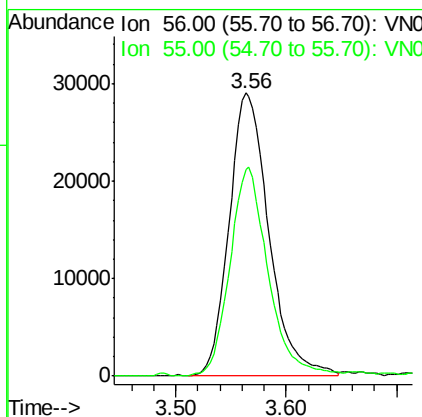
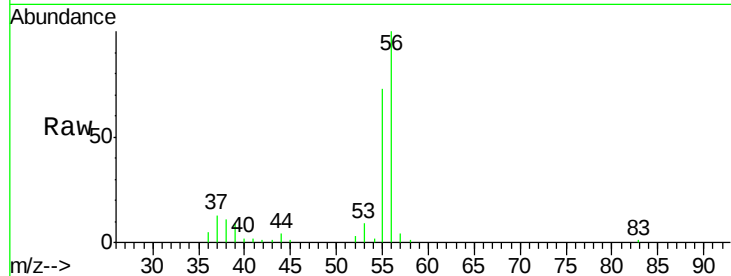
#13
Acrolein
Concen: 297.036 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.7	58.2	87.2

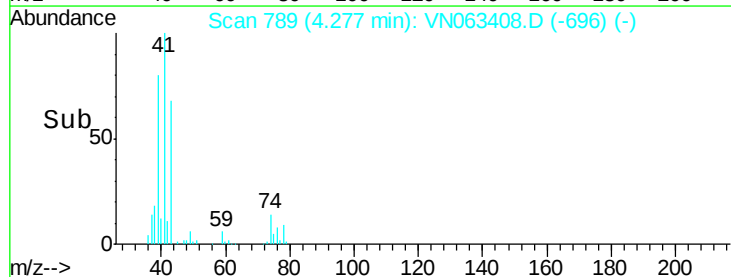
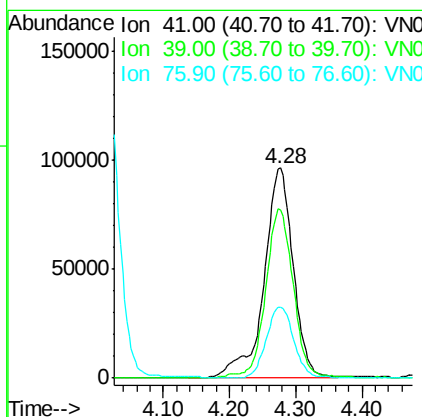
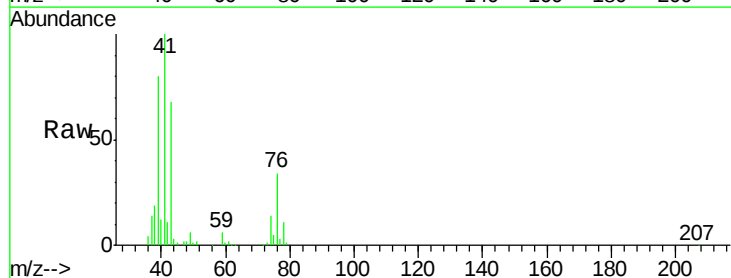
Manual Integrations
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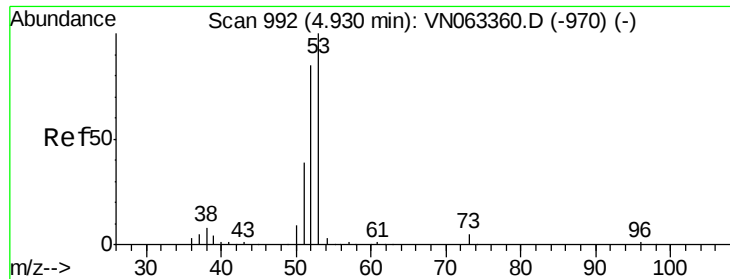
MMDadoda
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#14
Allyl chloride
Concen: 47.326 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	75.4	59.3	88.9
76	76	31.9	25.3	37.9





#15

Acrylonitrile

Concen: 241.516 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

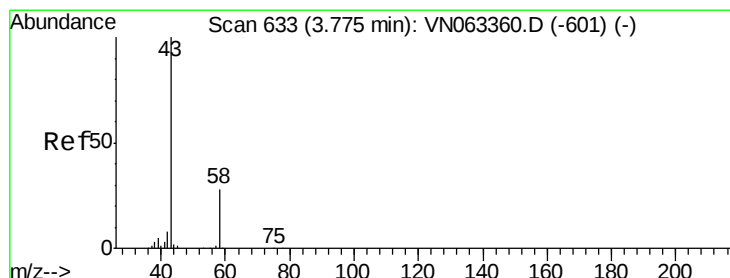
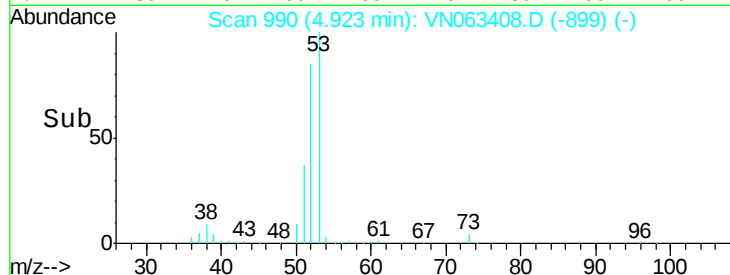
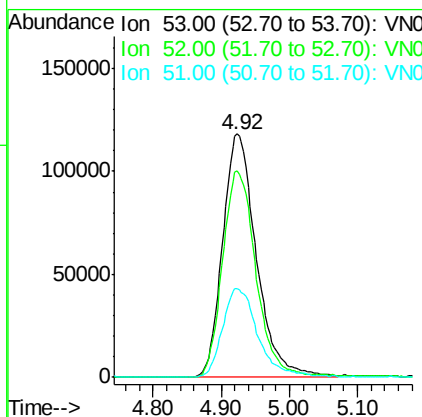
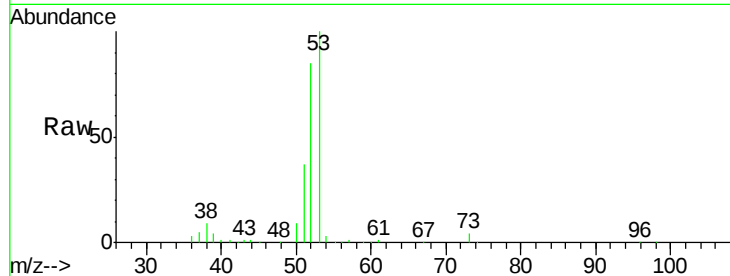
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	406445
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.4	99.6
51	38.3	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 229.357 ug/l

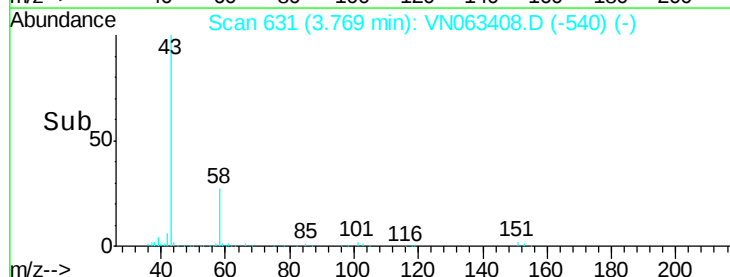
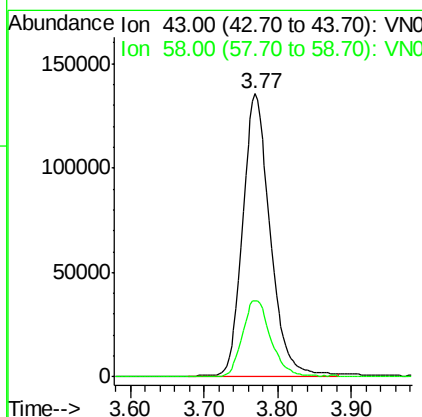
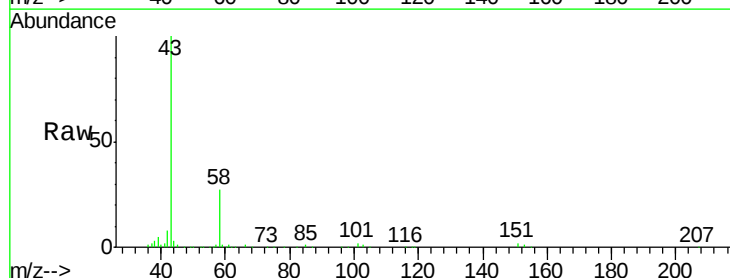
RT: 3.77 min Scan# 631

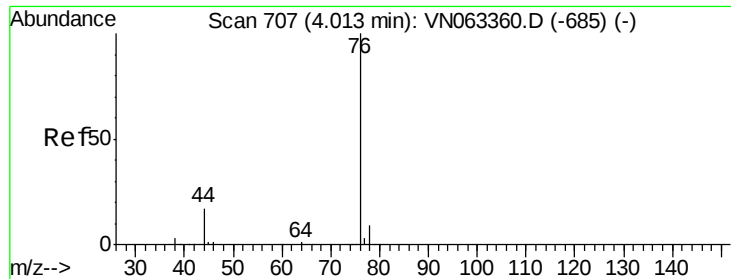
Delta R.T. -0.01 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	43	Resp:	352022
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.3	33.5





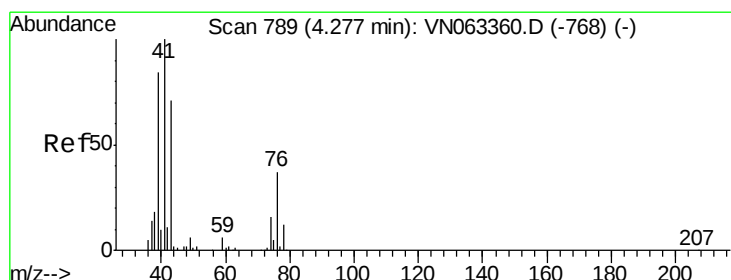
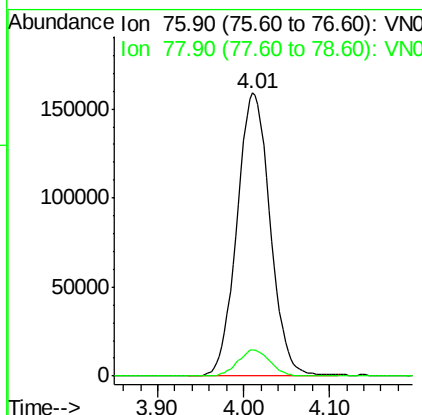
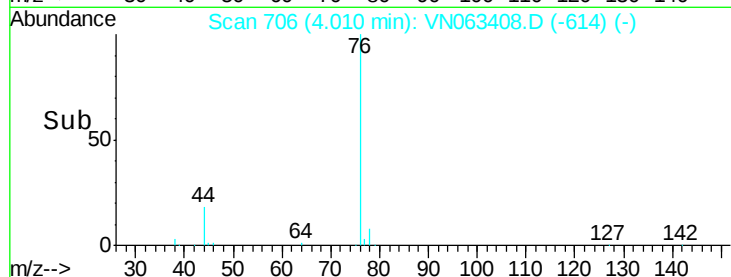
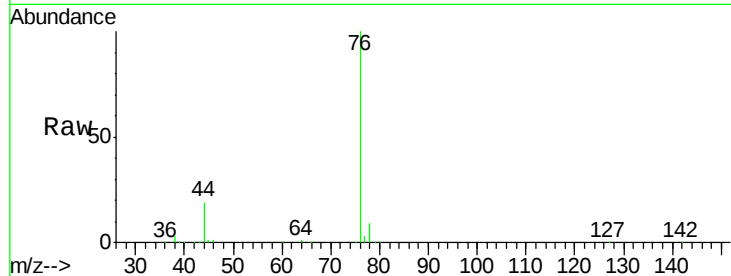
#17
Carbon Disulfide
Concen: 46.357 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 426899
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

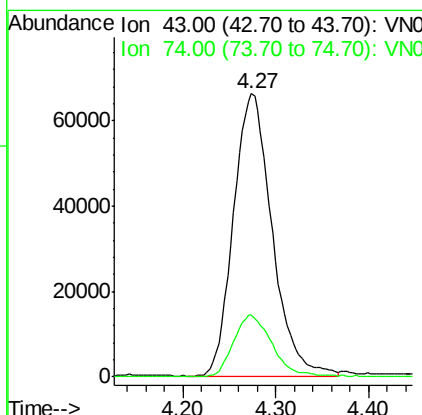
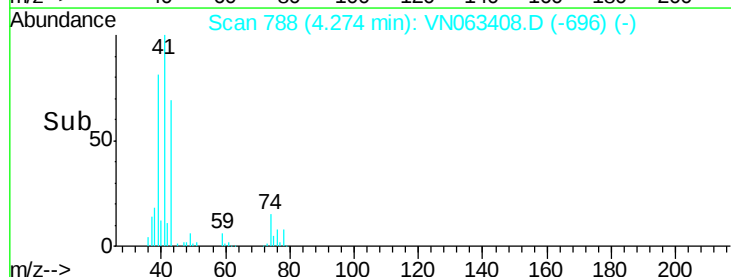
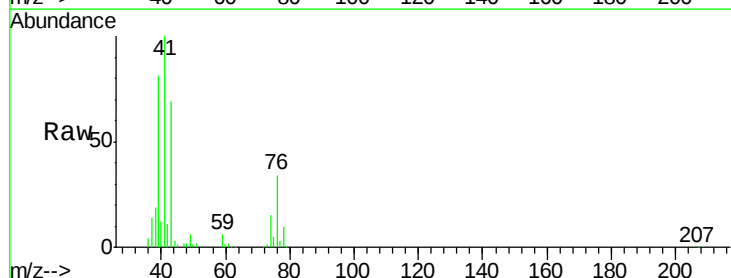
Manual Integrations
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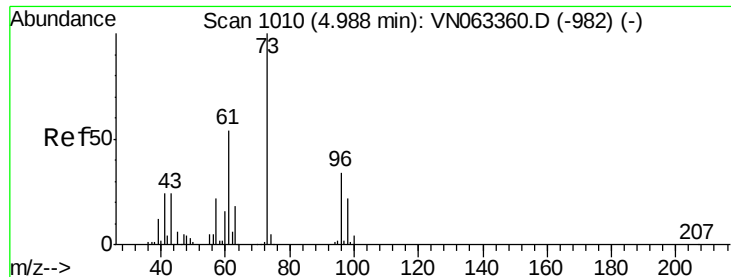
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#18
Methyl Acetate
Concen: 49.059 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 43 Resp: 191152
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2





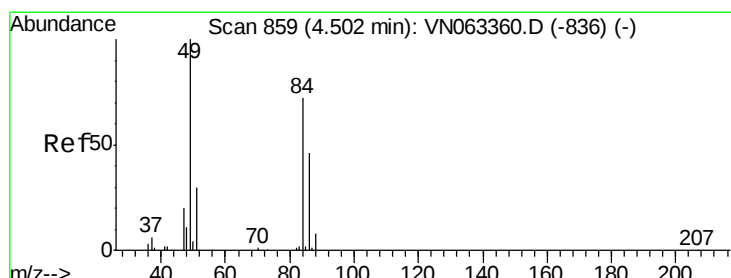
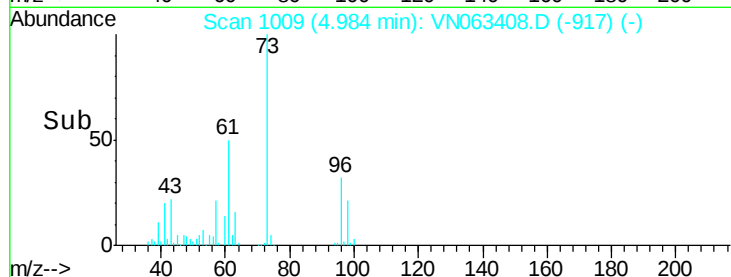
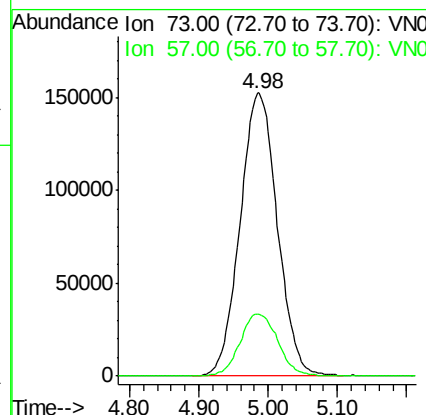
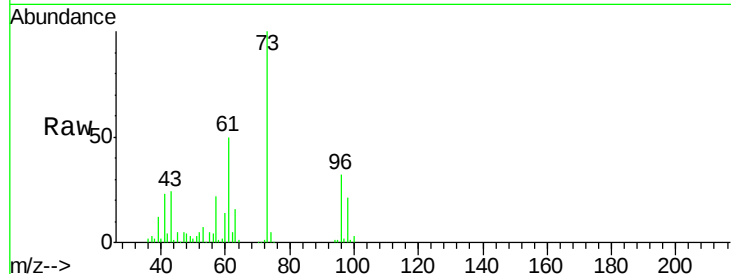
#19
Methvl tert-butvl Ether
Concen: 48.329 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 570268
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9

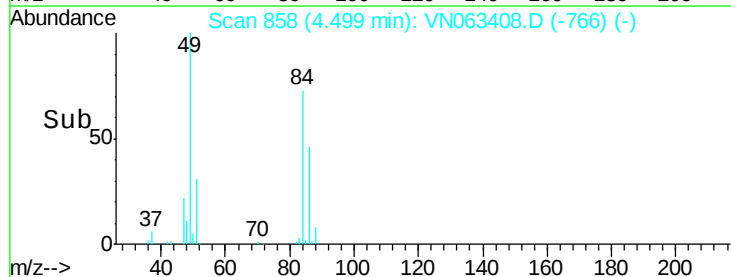
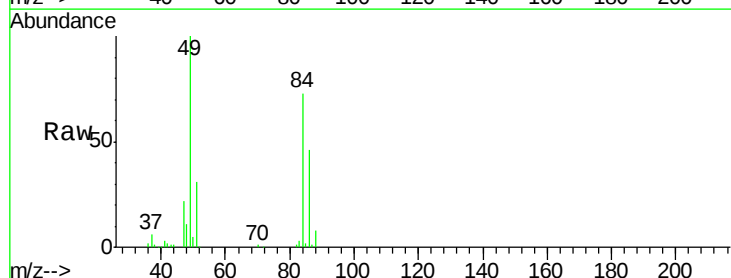
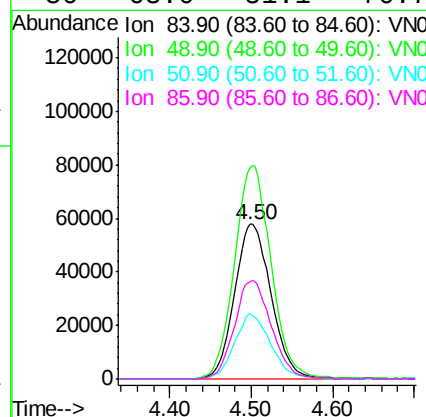
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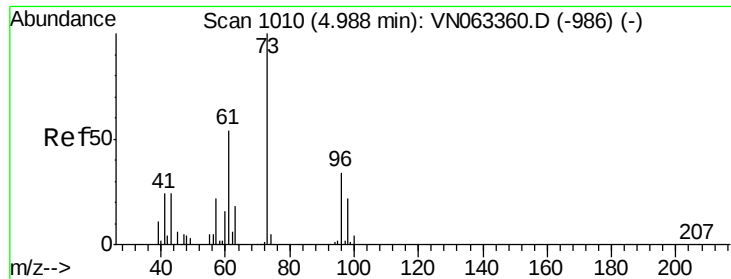
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#20
Methylene Chloride
Concen: 46.550 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 84 Resp: 181016
Ion Ratio Lower Upper
84 100
49 136.6 110.7 166.1
51 42.2 32.9 49.3
86 63.0 51.1 76.7





#21

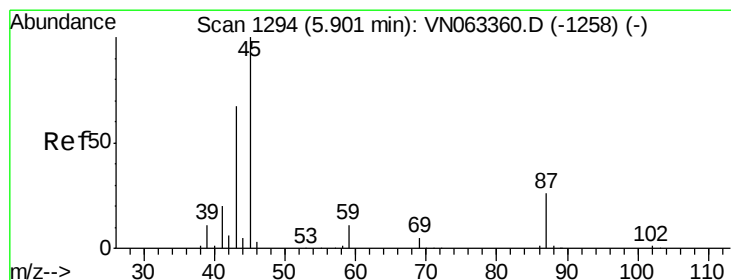
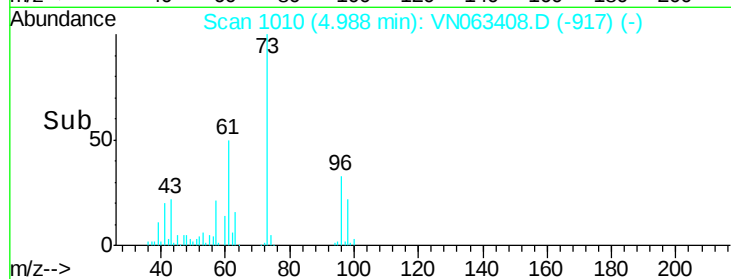
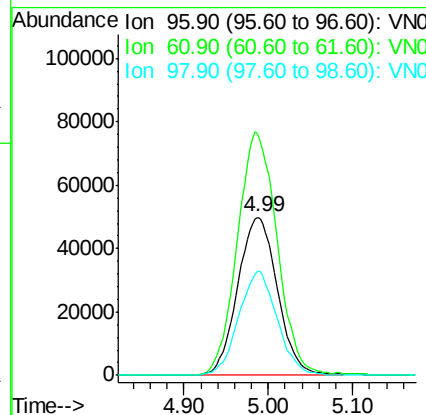
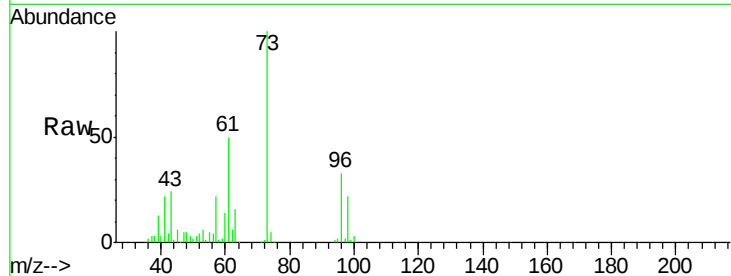
trans-1,2-Dichloroethene
Concen: 46.521 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	126.2	189.4
98	65.9	51.0	76.4

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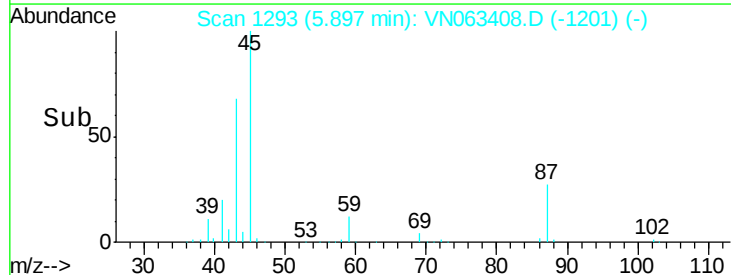
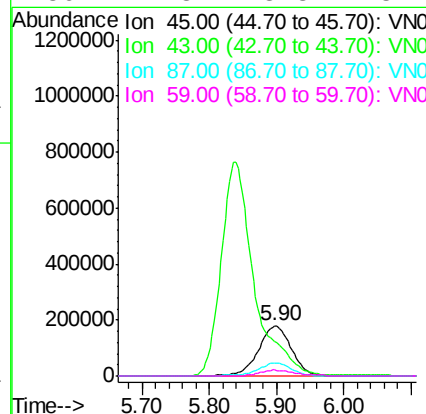
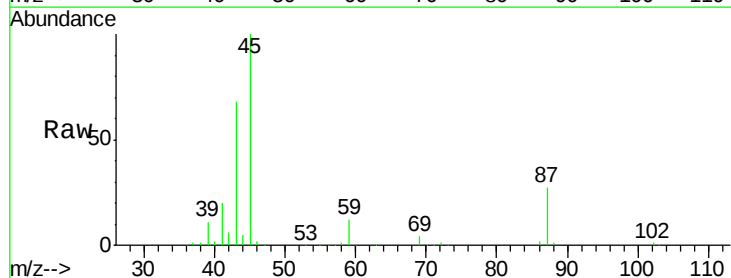
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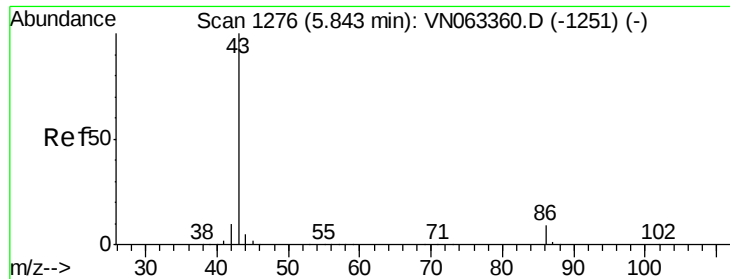


#22

Diisopropyl ether
Concen: 47.783 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.1	53.5	80.3
87	26.5	21.2	31.8
59	11.8	8.8	13.2





#23

Vinyl Acetate

Concen: 247.490 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2595963

Ion Ratio Lower Upper

43 100

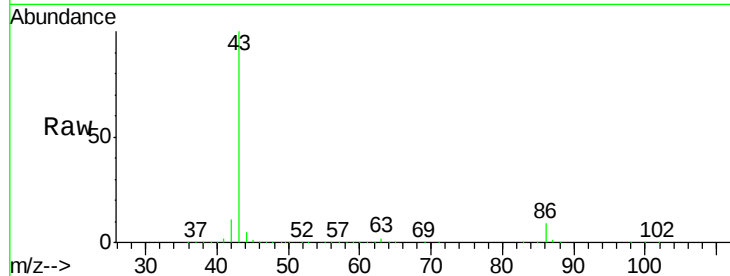
86 9.1 7.1 10.7

Manual Integrations

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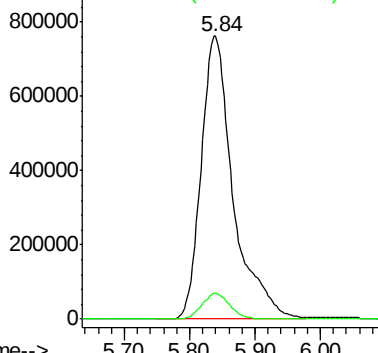
MMDadoda

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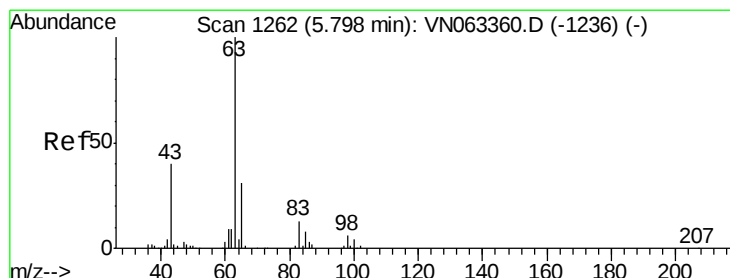
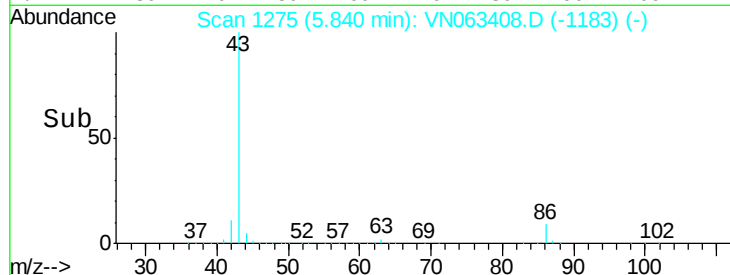


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 47.140 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

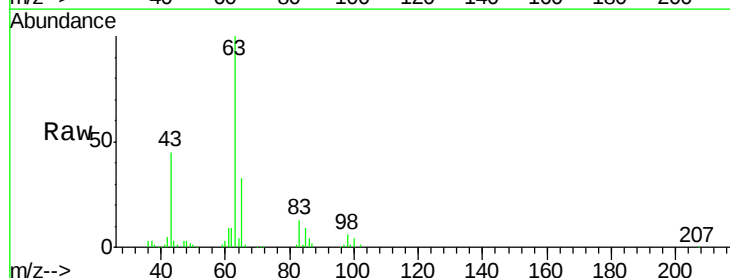
Tgt Ion: 63 Resp: 328700

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

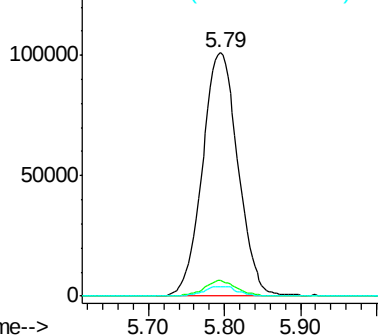
100 3.9 2.1 6.3



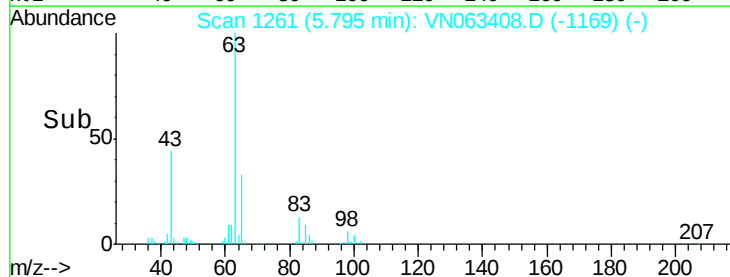
Abundance Ion 62.90 (62.60 to 63.60): VN0

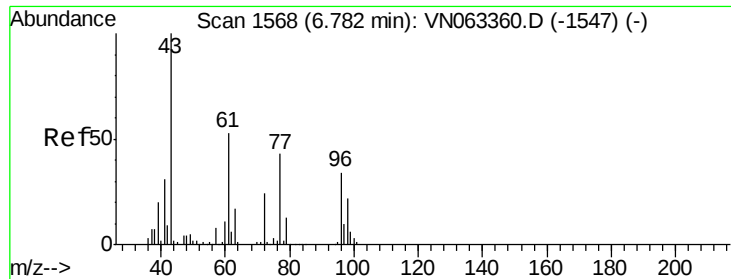
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





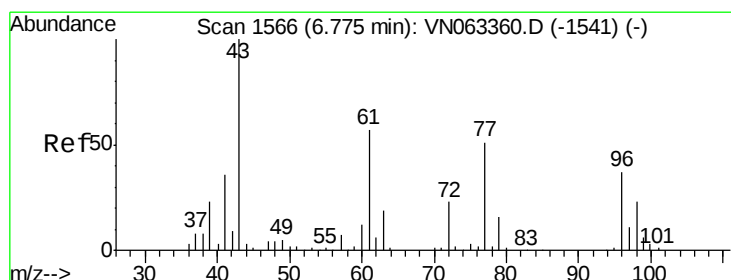
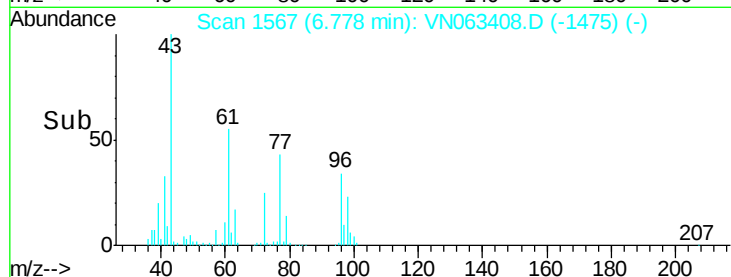
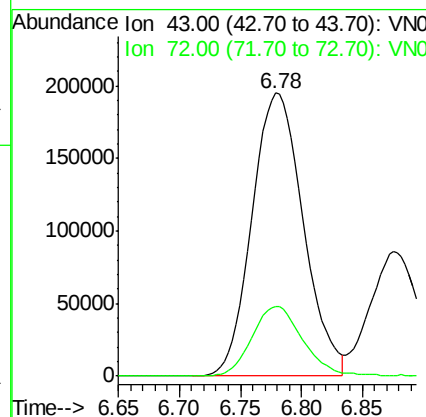
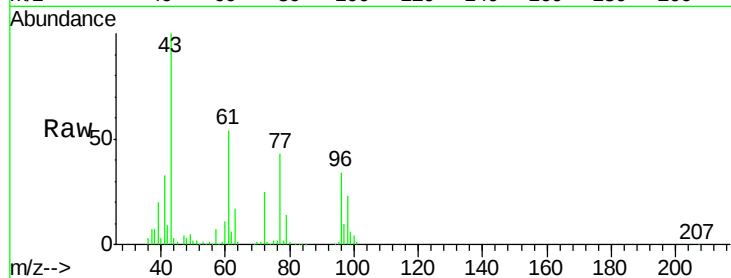
#25
2-Butanone
Concen: 240.431 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 567541
Ion Ratio Lower Upper
43 100
72 24.7 19.2 28.8

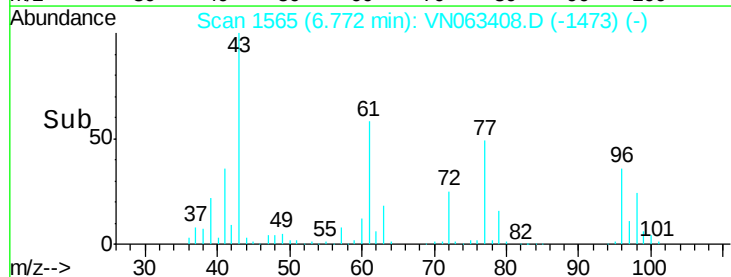
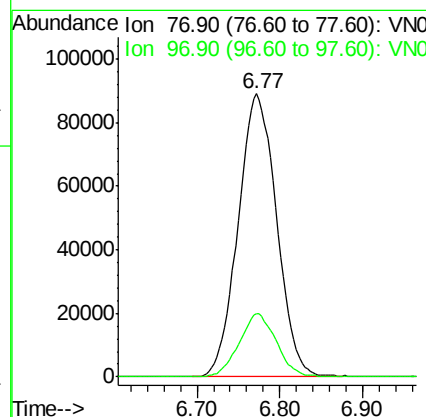
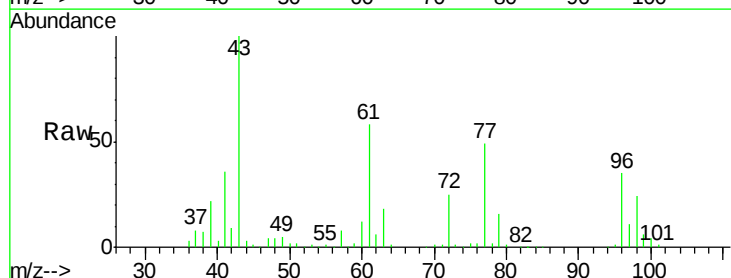
Manual Integrations
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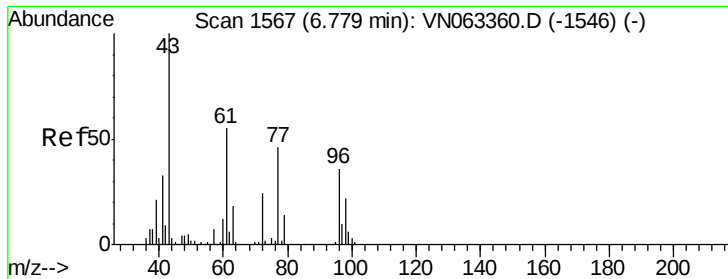
MMDadoda
9/18/2020 2:55:48 PM



#26
2,2-Dichloropropane
Concen: 46.796 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 77 Resp: 287292
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 48.561 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

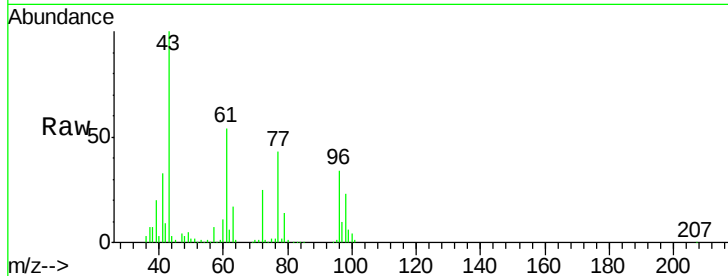
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	192796
Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	319.6
98	64.8	0.0	127.8

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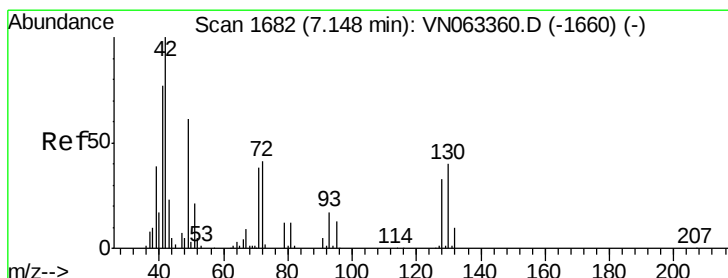
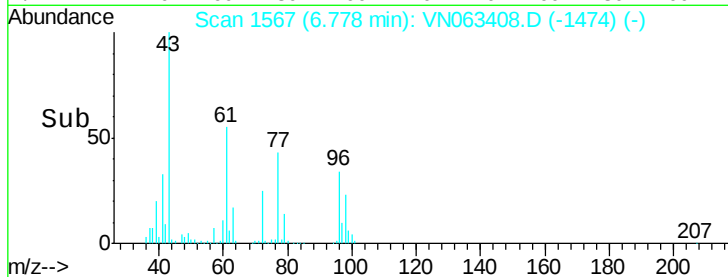
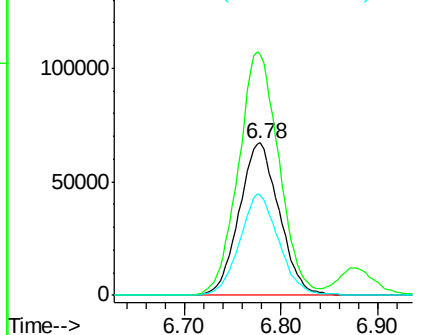
MMDadoda
9/18/2020 2:55:48 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063408.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN063408.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN063408.D (-1474) (-)



#28

Bromochloromethane

Concen: 47.013 ug/l

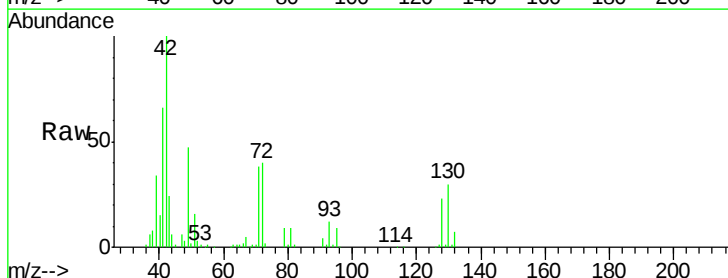
RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

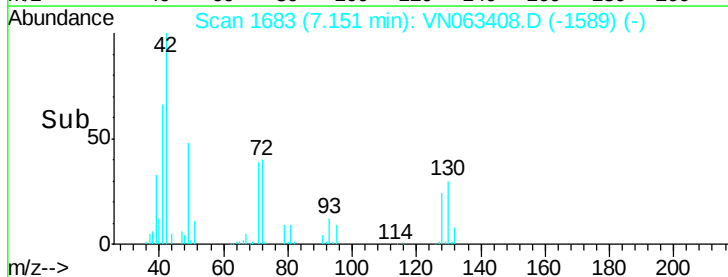
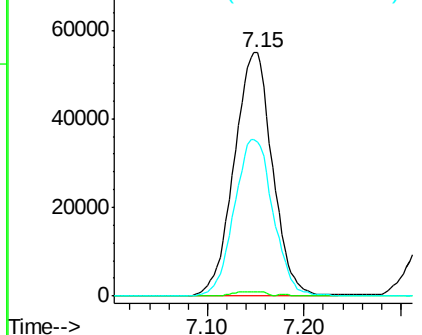
Tgt Ion:	49	Resp:	151363
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	65.3	52.2	78.2

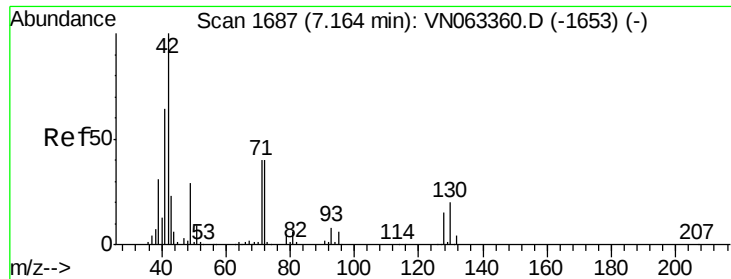


Abundance Ion 48.90 (48.60 to 49.60): VN063408.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN063408.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN063408.D (-1589) (-)





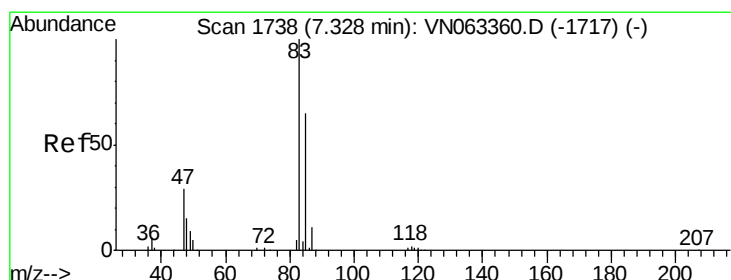
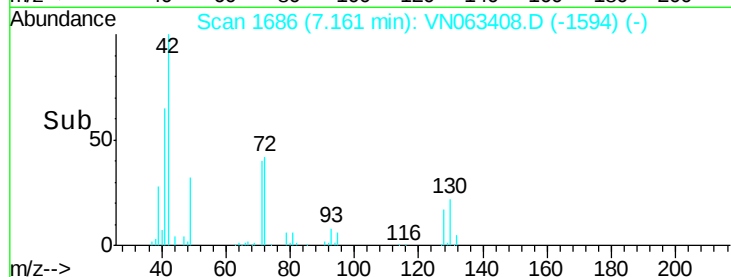
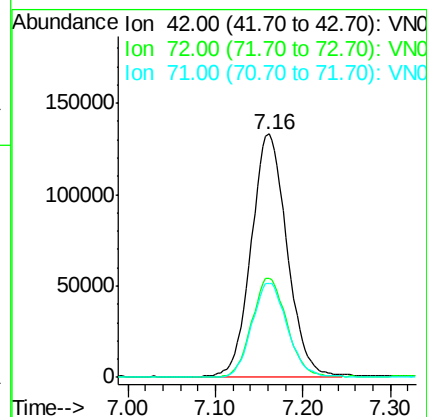
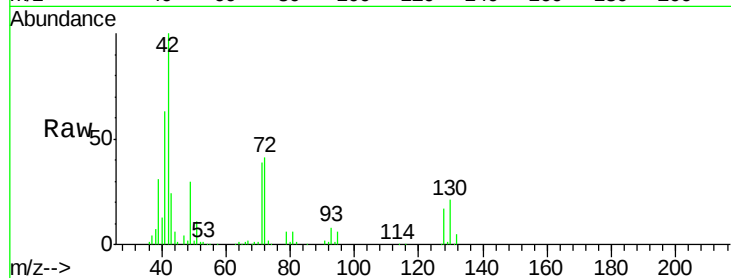
#29
Tetrahydrofuran
Concen: 234.341 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.1	48.1
71	38.6	31.2	46.8

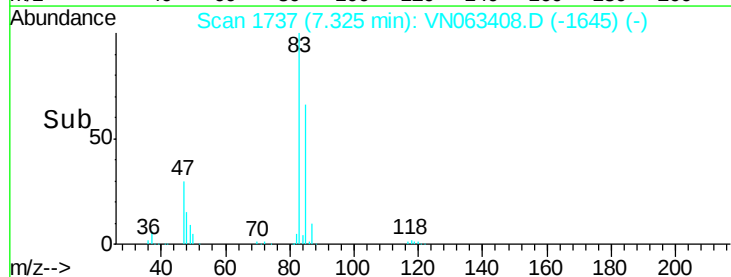
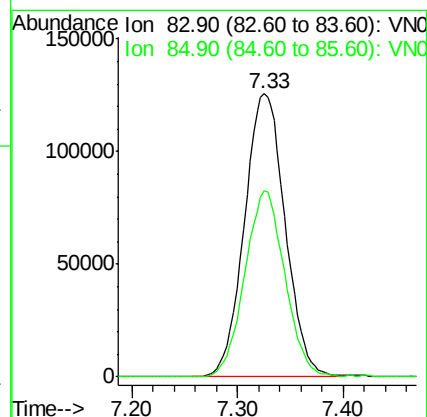
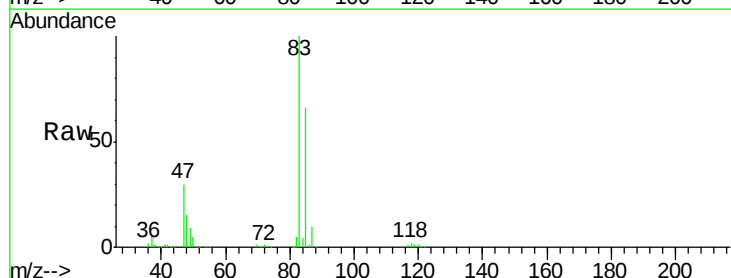
Manual Integrations
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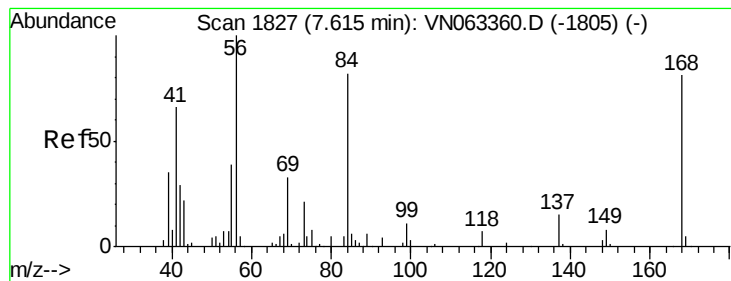
MMDadoda
9/18/2020 2:55:48 PM



#30
Chloroform
Concen: 48.287 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.1	78.1





#31

Cyclohexane

Concen: 44.222 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

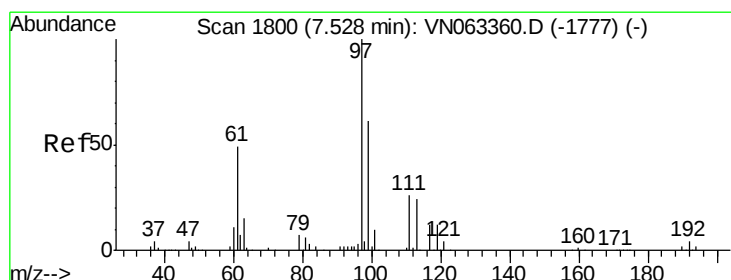
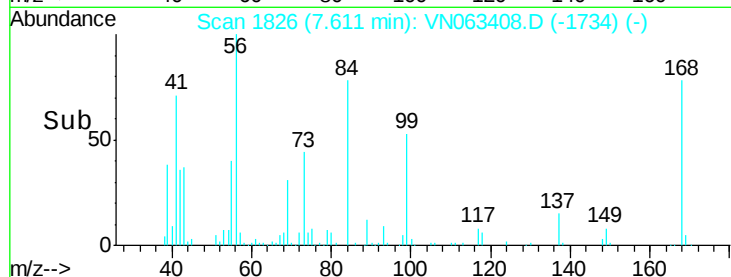
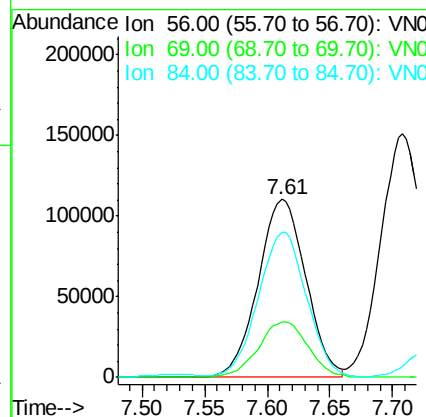
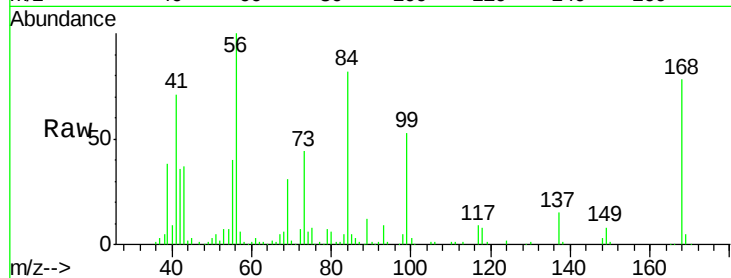
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	291678
Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.1	39.1
84	80.3	65.4	98.2

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9/18/2020 2:55:48 PM



#32

1,1,1-Trichloroethane

Concen: 47.923 ug/l

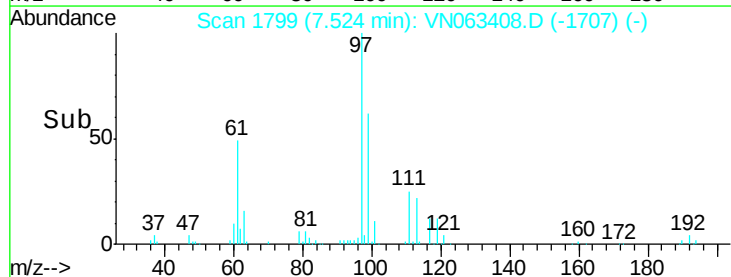
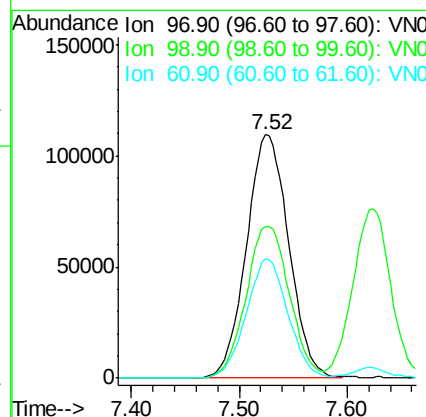
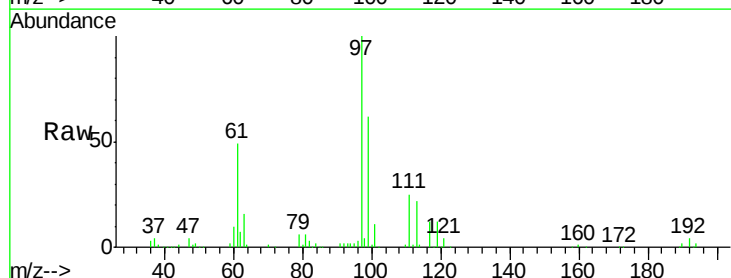
RT: 7.52 min Scan# 1799

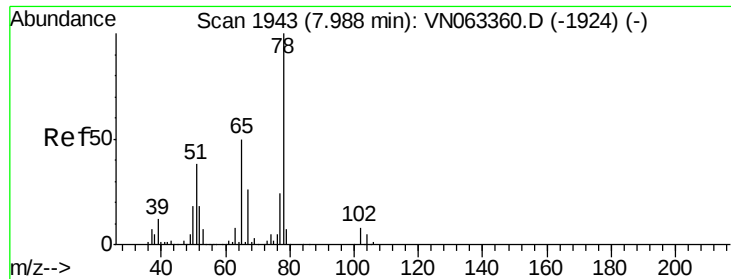
Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	97	Resp:	298192
Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	48.4	39.2	58.8





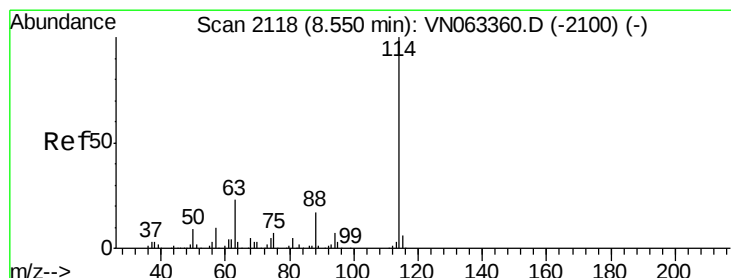
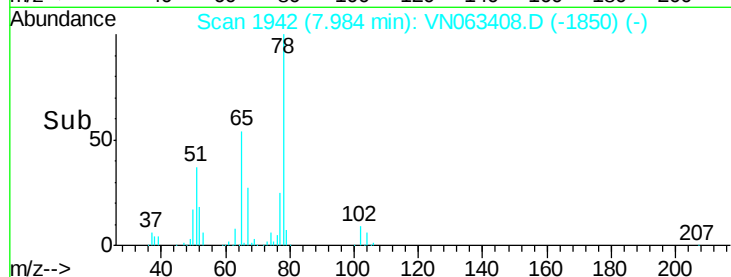
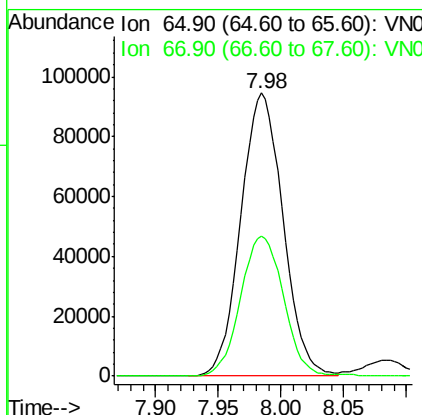
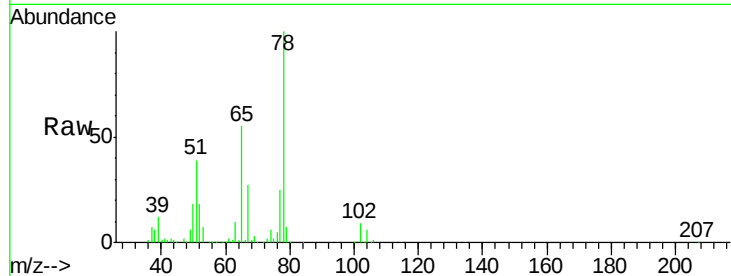
#33
 1,2-Dichloroethane-d4
 Concen: 46.477 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	221960		
67	50.2	0.0	104.2	

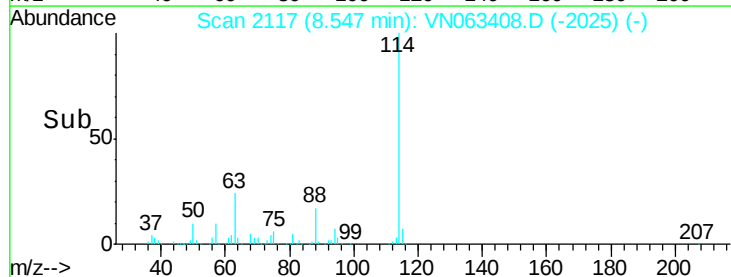
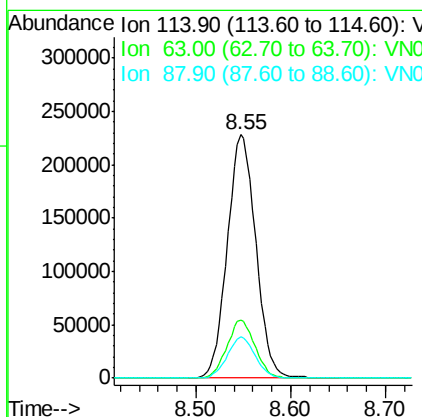
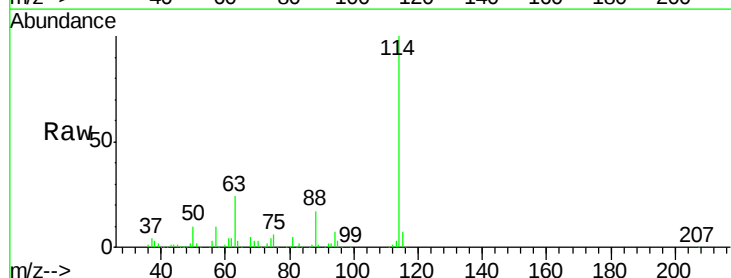
Manual Integrations
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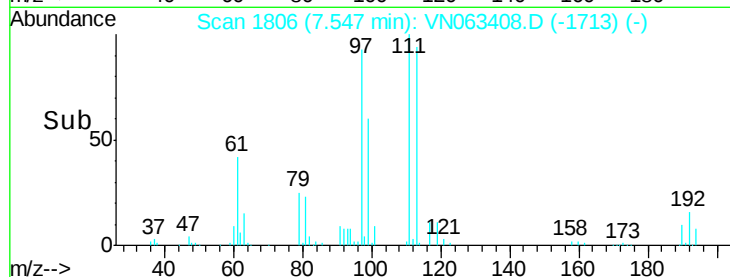
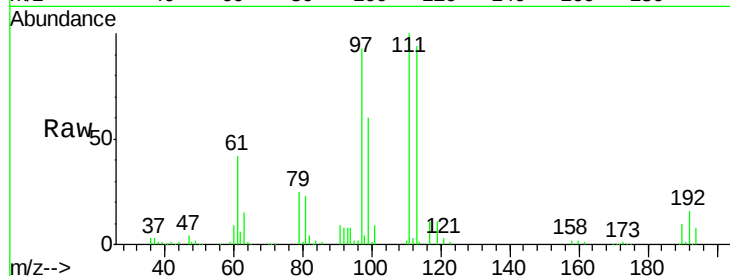
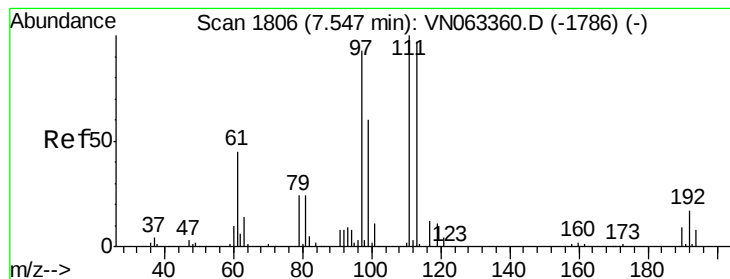
MMDadoda
 9/18/2020 2:55:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478925		
63	24.1	0.0	46.4	
88	17.0	0.0	33.2	





#35

Dibromofluoromethane

Concen: 45.519 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tot Ion:	113	Resp:	150919
Ion	Ratio	Lower	Upper
113	100		
111	106.3	82.9	124.3
192	17.4	13.9	20.9

Instrument :

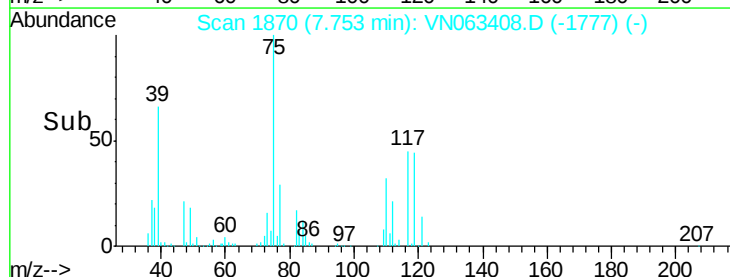
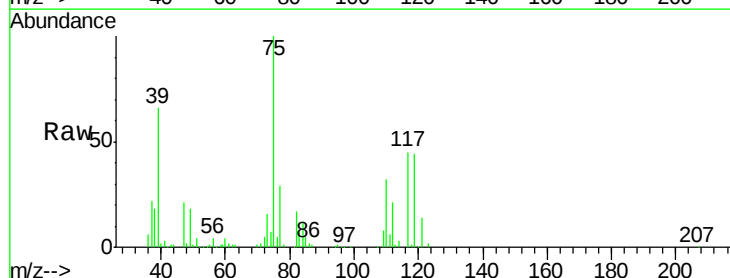
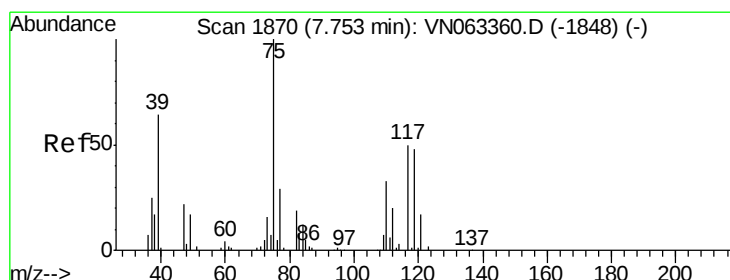
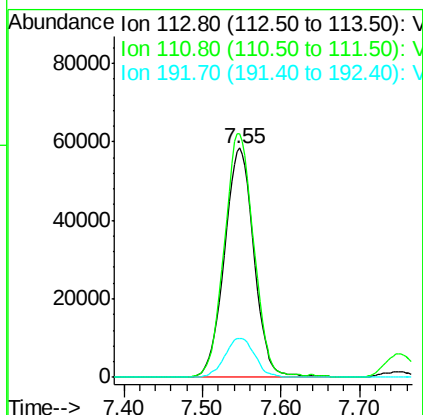
MSVOA_N

ClientSampleId :

VSTDCCC050

Manual Integrations
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MMDadoda
9/18/2020 2:55:48 PM



#36

1,1-Dichloropropene

Concen: 49.309 ug/l

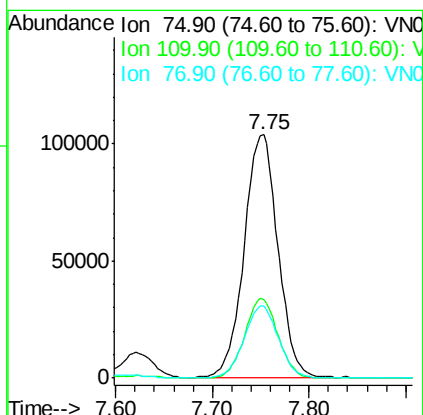
RT: 7.75 min Scan# 1870

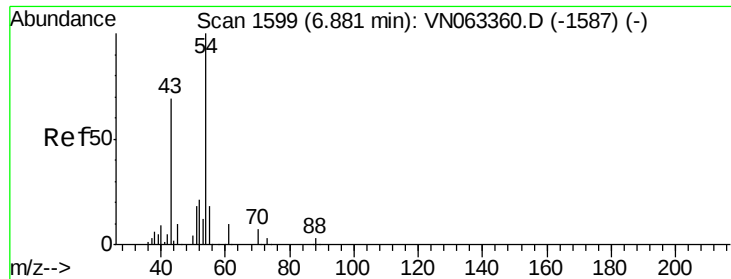
Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	75	Resp:	251587
Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.5	49.5
77	30.5	24.6	36.8





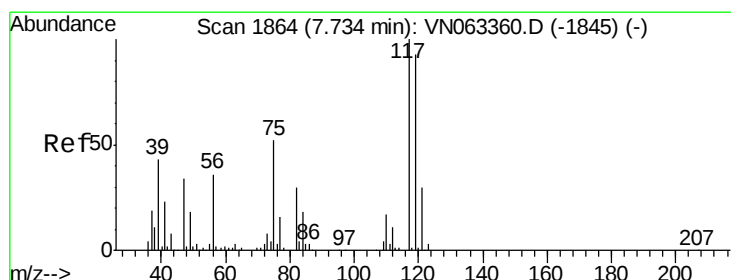
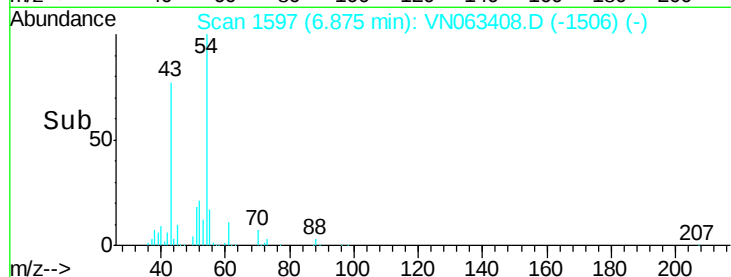
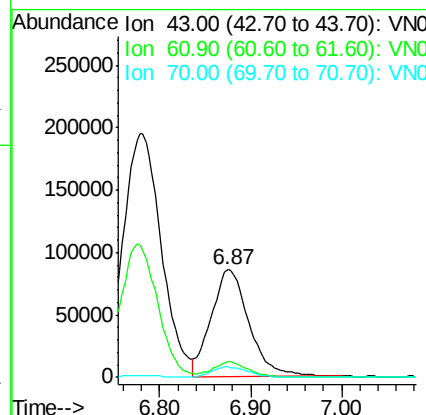
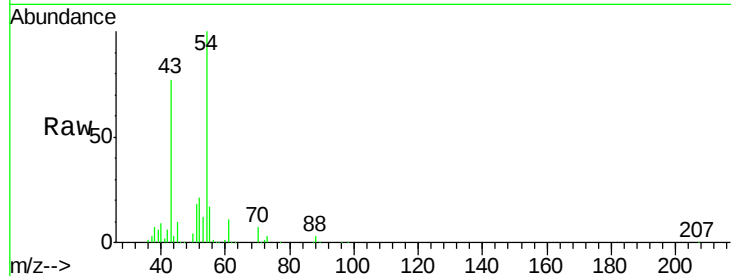
#37
Ethyl Acetate
Concen: 49.415 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

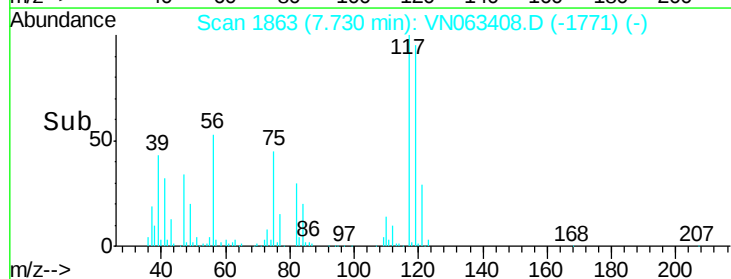
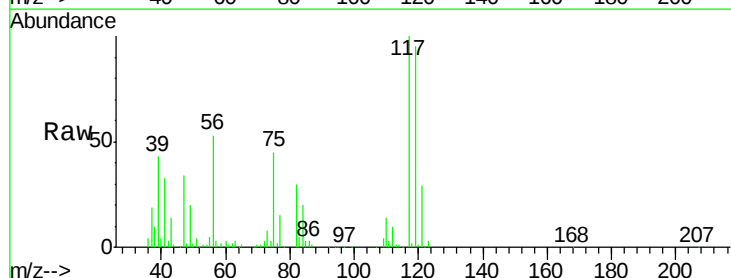
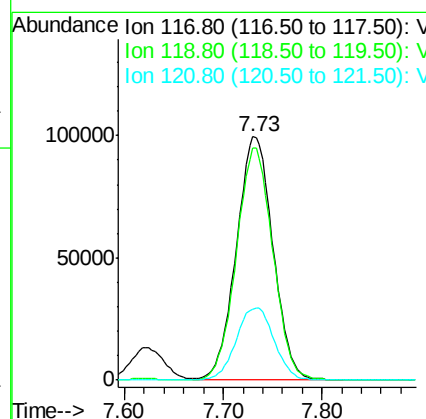
Manual Integrations
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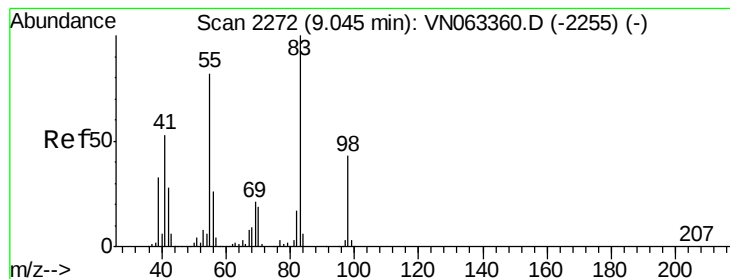
MMDadoda
9/18/2020 2:55:48 PM



#38
Carbon Tetrachloride
Concen: 48.926 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	95.2	74.5	111.7	
121	28.9	24.1	36.1	





#39

Methvlcvclohexane

Concen: 50.009 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

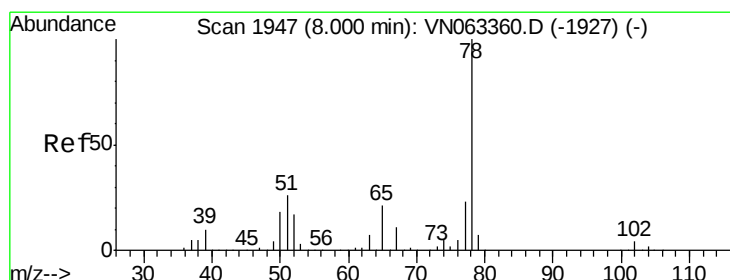
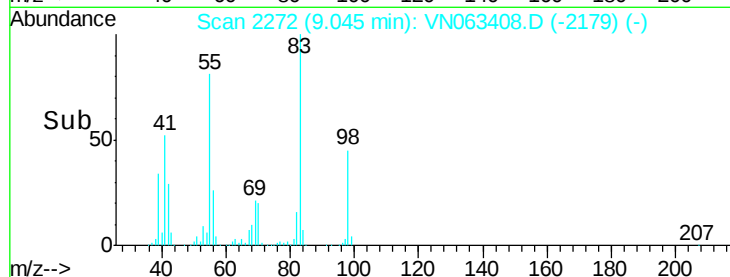
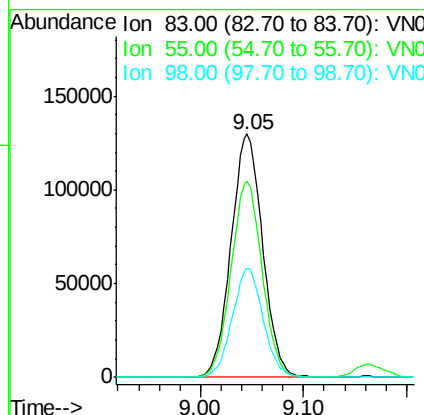
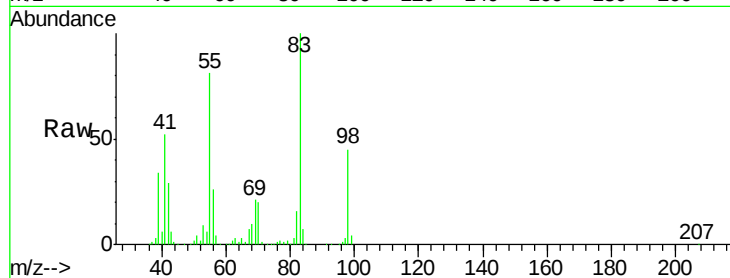
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	276932
Ion Ratio	Lower	Upper	
83	100		
55	80.6	65.5	98.3
98	45.1	34.2	51.4

Manual Integrations
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9/18/2020 2:55:48 PM



#40

Benzene

Concen: 49.125 ug/l

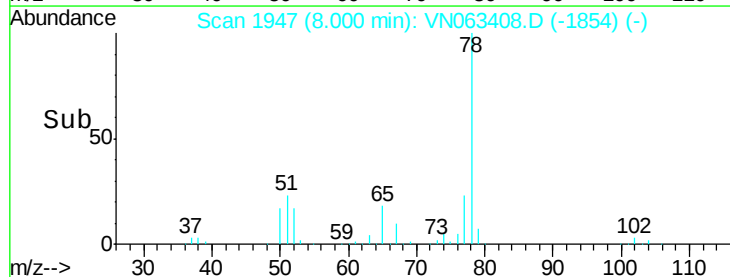
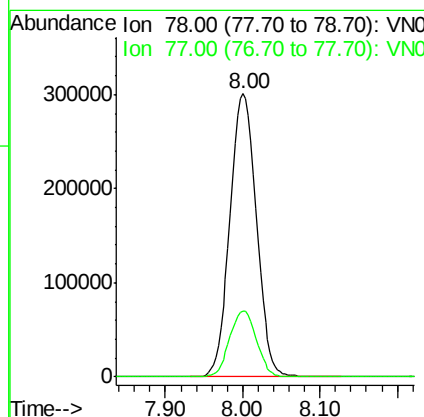
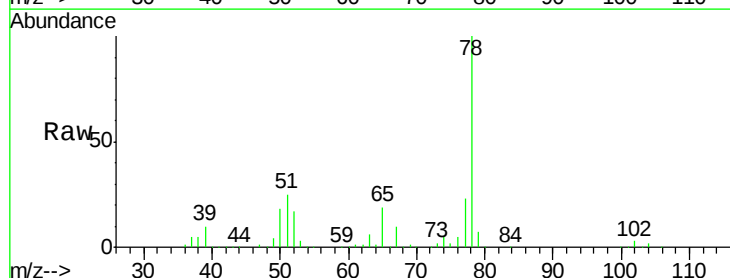
RT: 8.00 min Scan# 1947

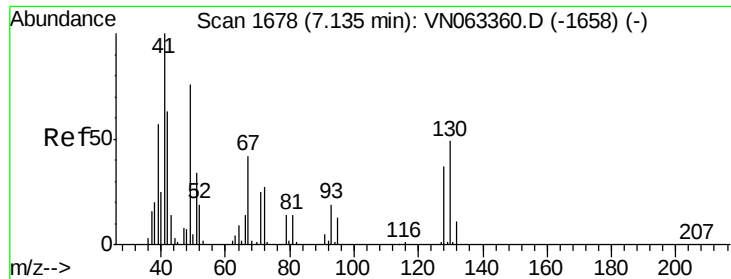
Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	78	Resp:	715501
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.3	27.5





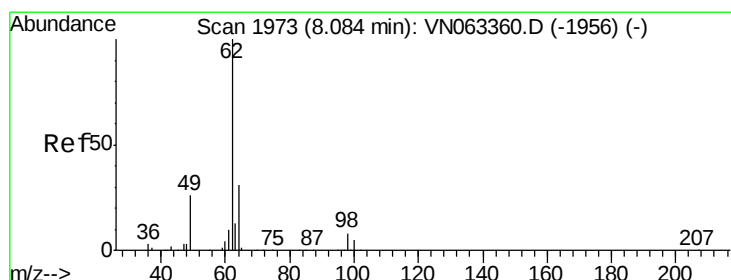
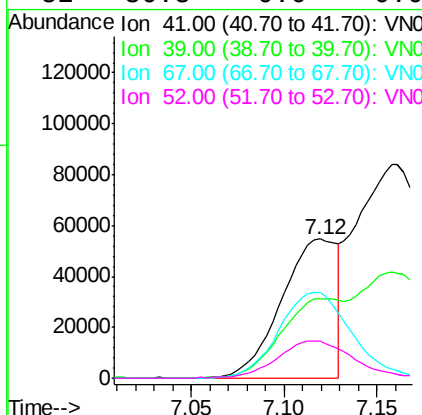
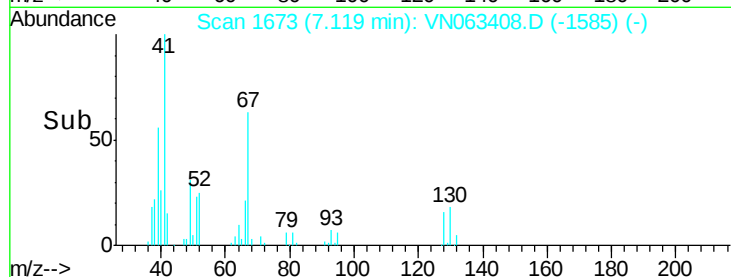
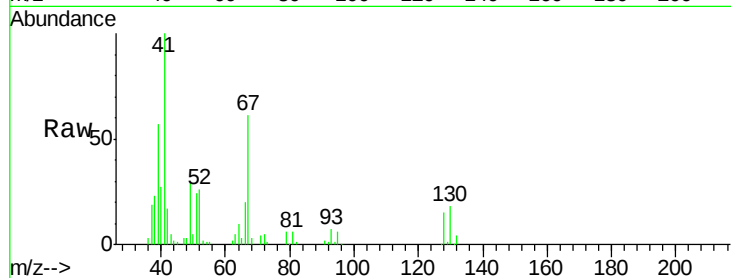
#41
Methacrylonitrile
Concen: 50.936 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.02 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	114722
Ion Ratio	Lower	Upper	
41	100		
39	63.1	0.0	0.0#
67	80.5	0.0	0.0#
52	36.8	0.0	0.0#

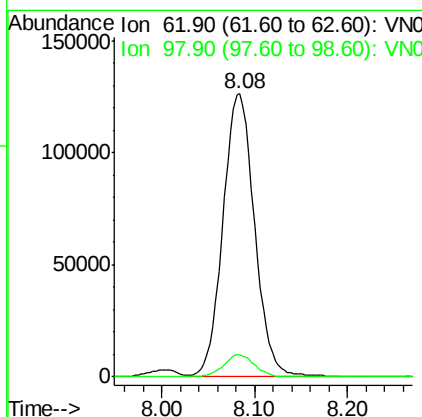
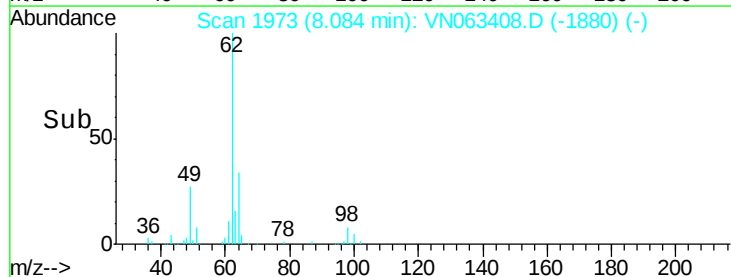
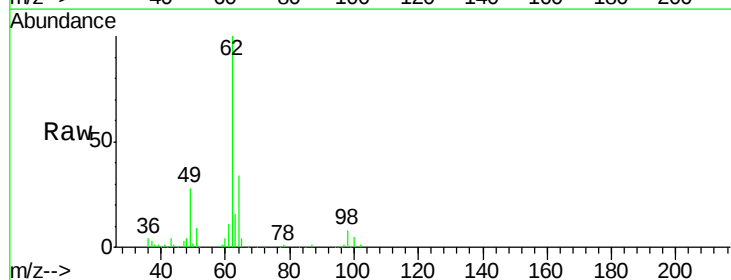
Manual Integrations
APPROVED

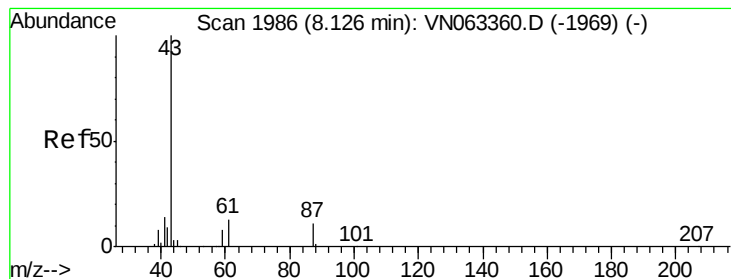
MMDadoda
9/18/2020 2:55:48 PM



#42
1,2-Dichloroethane
Concen: 50.700 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	62	Resp	296967
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	15.6





#43

Isopropyl Acetate

Concen: 47.778 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

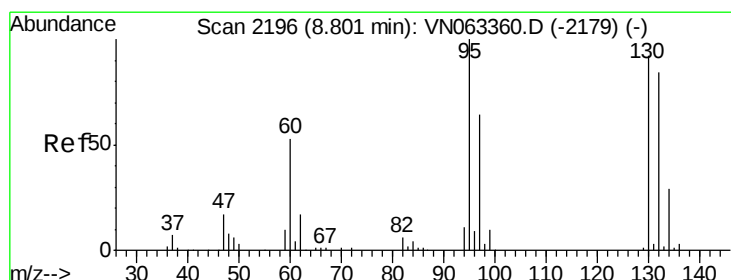
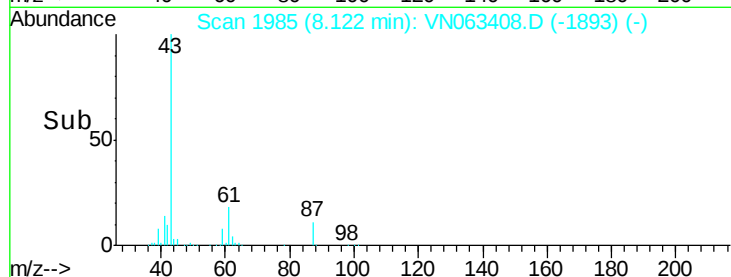
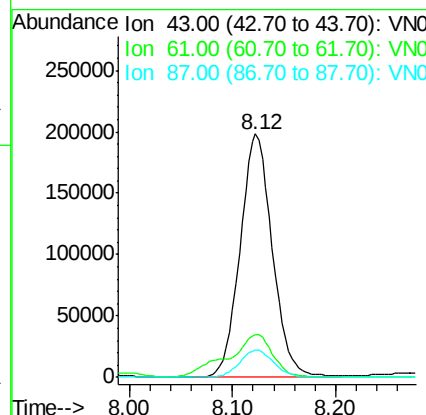
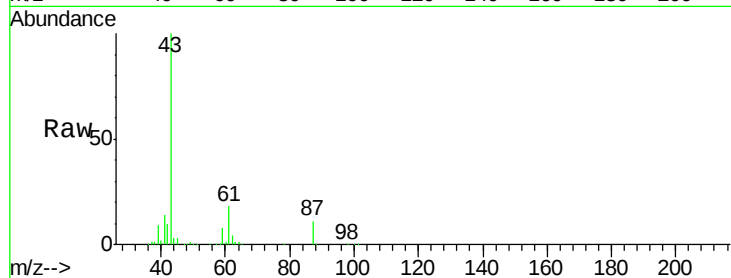
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	427818
Ion	Ratio	Lower	Upper
43	100		
61	24.6	14.2	21.2#
87	11.9	9.0	13.6

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#44

Trichloroethene

Concen: 50.280 ug/l

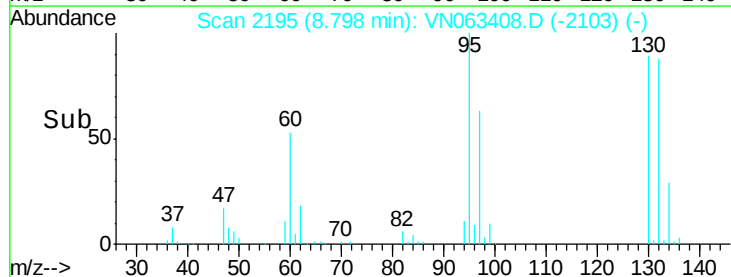
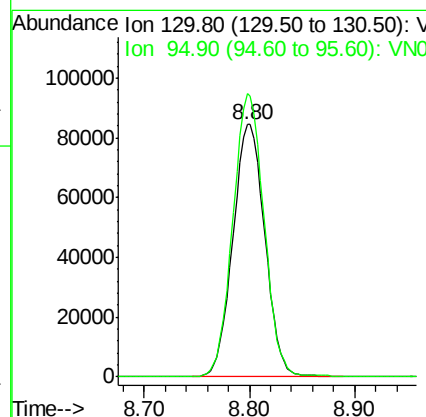
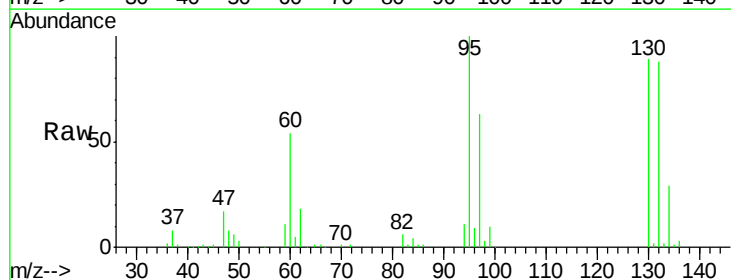
RT: 8.80 min Scan# 2195

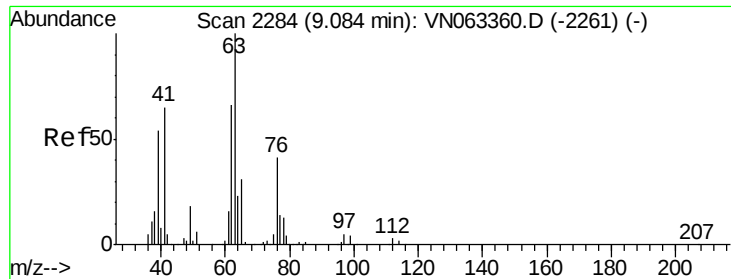
Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	130	Resp:	177625
Ion	Ratio	Lower	Upper
130	100		
95	112.1	0.0	217.4





#45

1,2-Dichloropropane

Concen: 50.518 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 200401

Ion Ratio Lower Upper

63 100

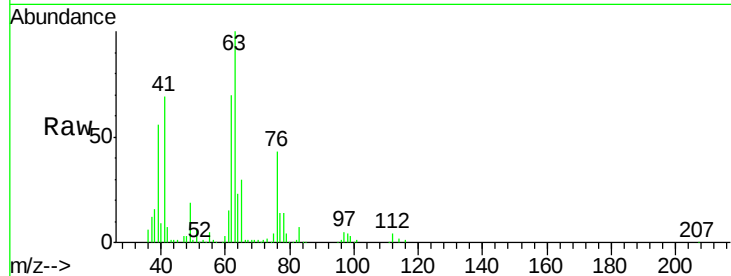
65 30.5 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.08

100000

80000

60000

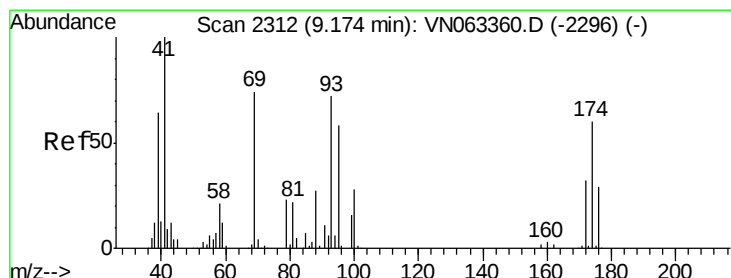
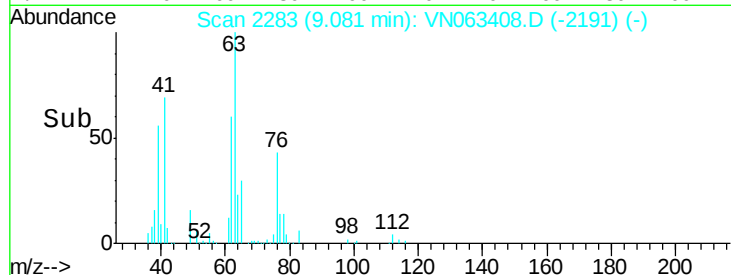
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.774 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

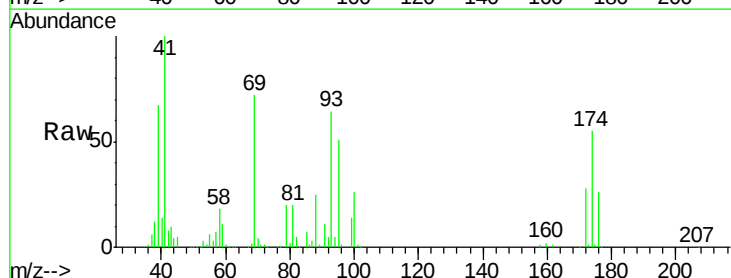
Tgt Ion: 93 Resp: 132383

Ion Ratio Lower Upper

93 100

95 81.5 65.6 98.4

174 85.3 68.1 102.1



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.17

80000

60000

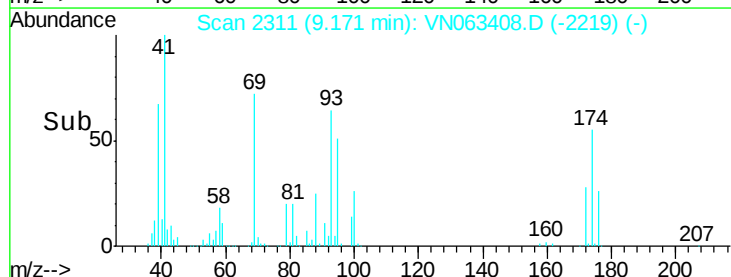
40000

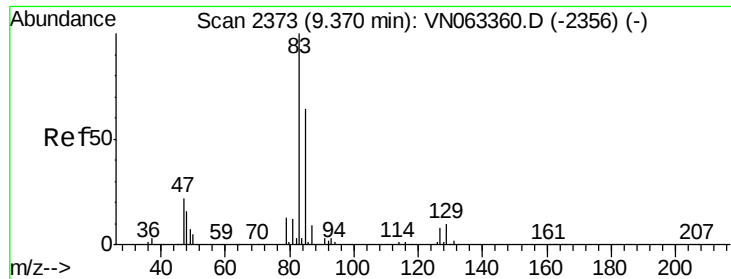
20000

0

Time-->

9.10 9.15 9.20 9.25





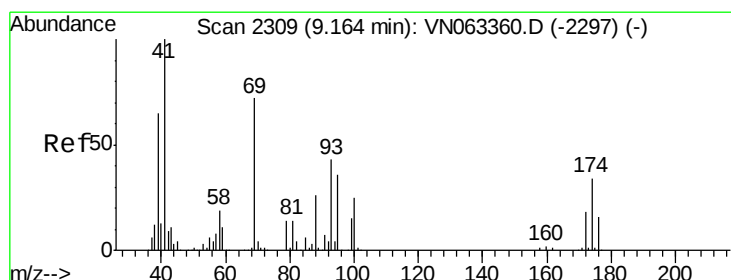
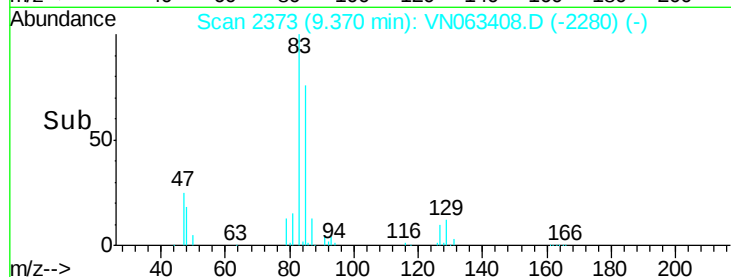
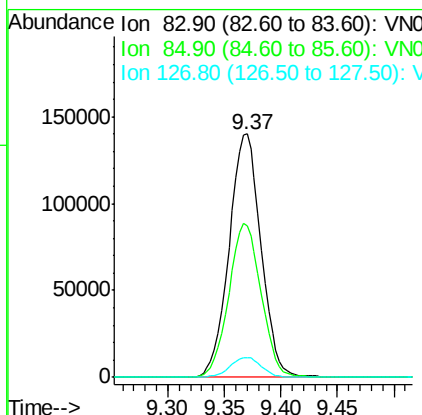
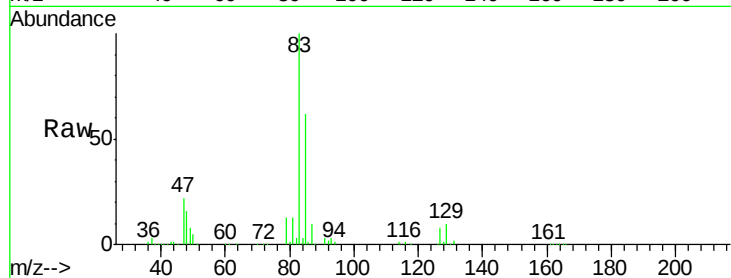
#47
Bromodichloromethane
Concen: 50.720 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	274728		
85	62.3		51.0	76.6
127	8.3		6.3	9.5

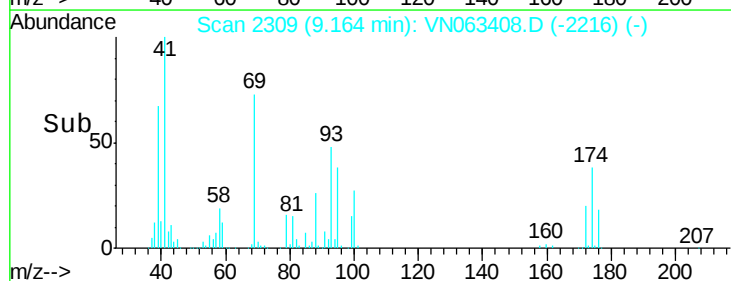
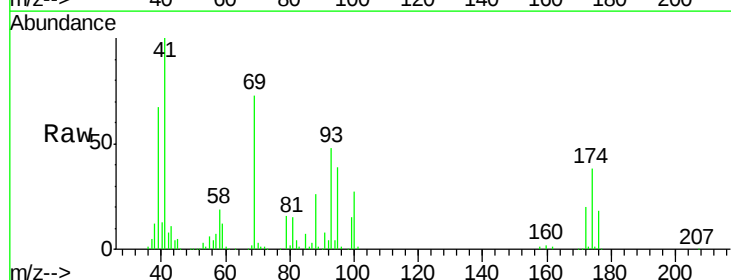
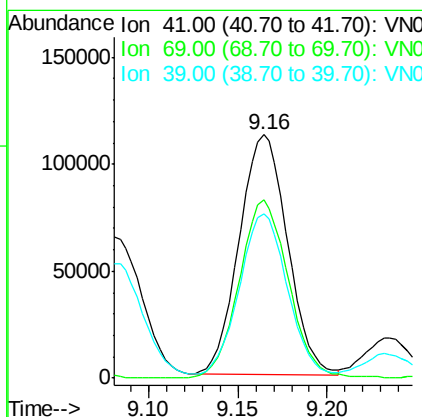
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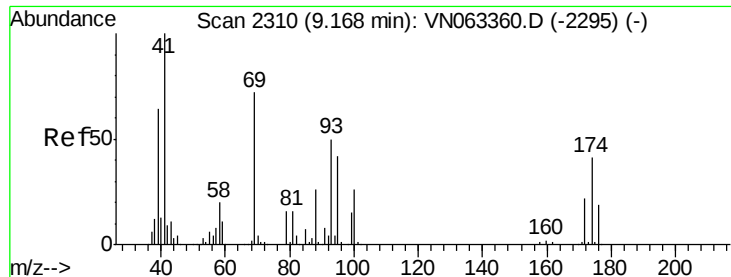
MMDadoda
9/18/2020 2:55:48 PM



#48
Methyl methacrylate
Concen: 48.275 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	212376		
69	76.0		59.3	88.9
39	69.0		52.9	79.3





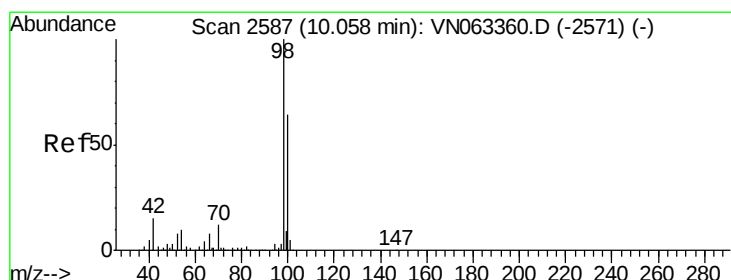
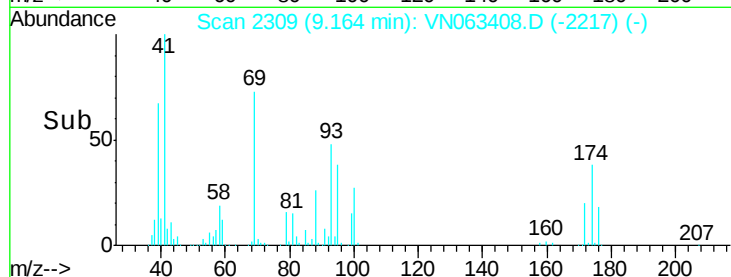
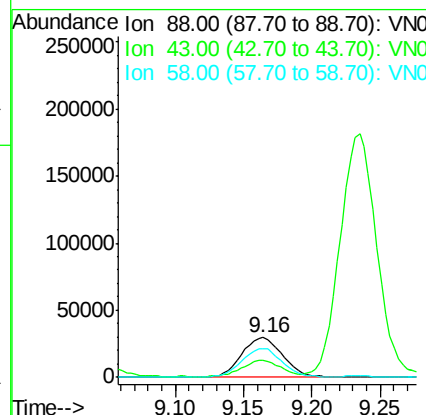
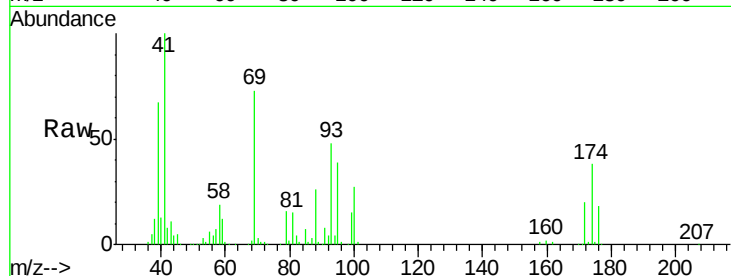
#49
1,4-Dioxane
Concen: 987.058 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	62315		
43	37.5		32.6	49.0
58	71.4		60.0	90.0

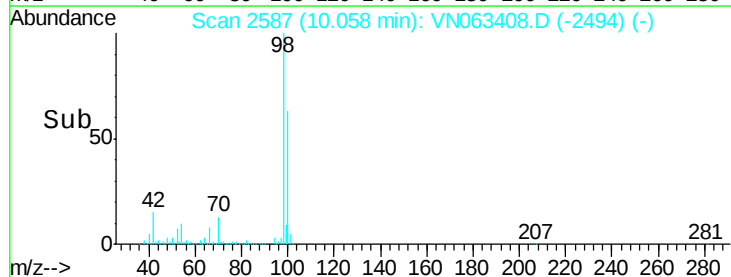
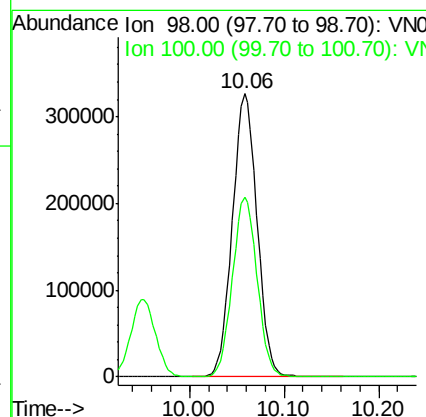
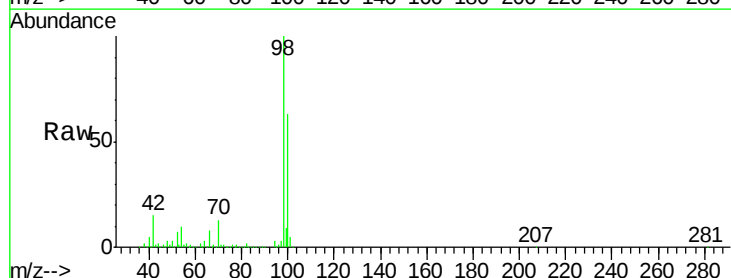
Manual Integrations
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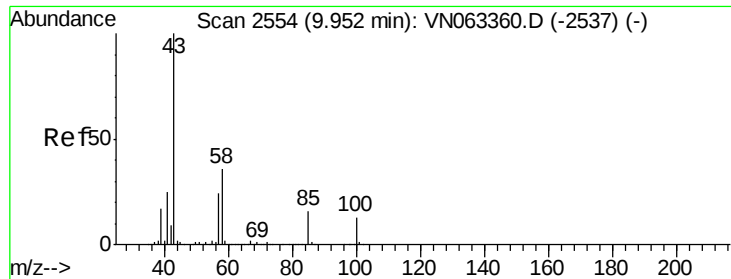
MMDadoda
9/18/2020 2:55:48 PM



#50
Toluene-d8
Concen: 47.595 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	593365		
100	63.3		50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 248.987 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1248140

Ion Ratio Lower Upper

43 100

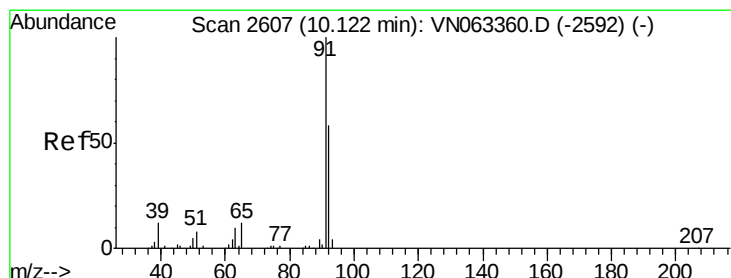
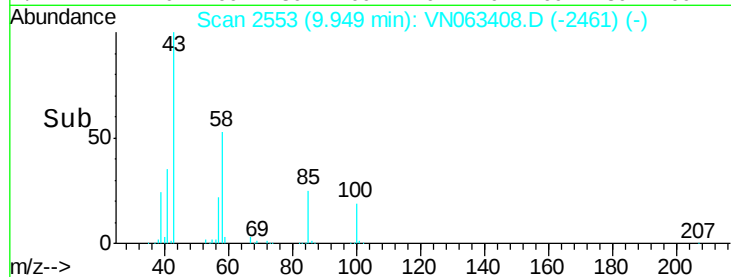
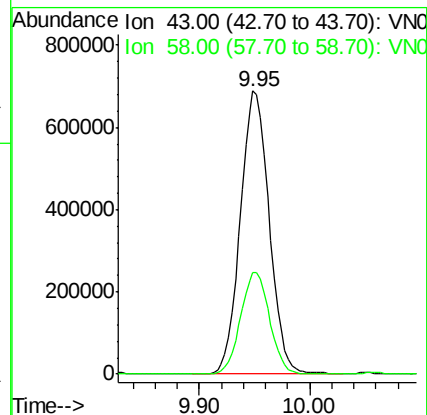
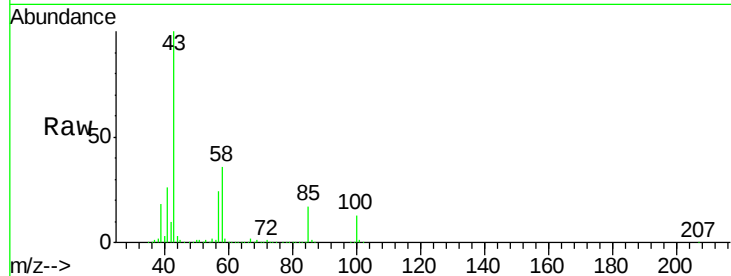
58 36.3 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 51.594 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063408.D

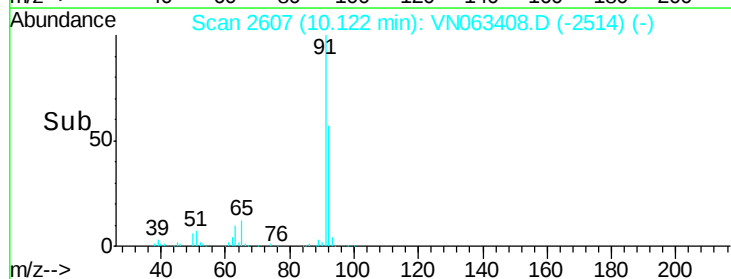
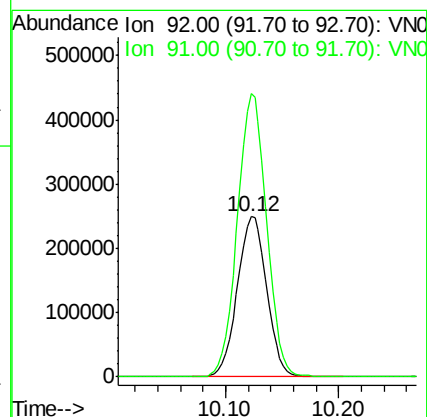
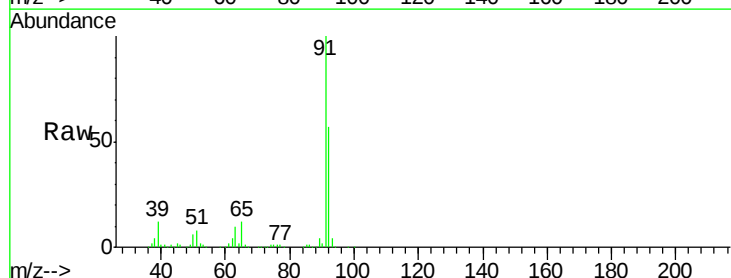
Acq: 17 Sep 2020 10:27

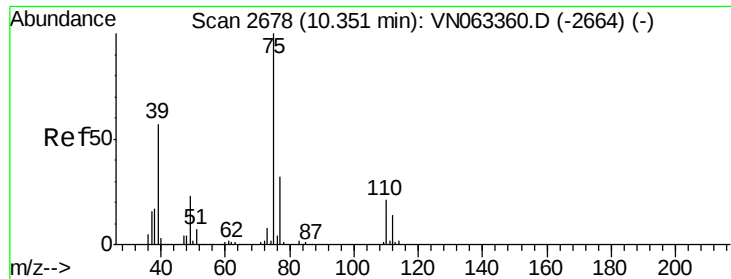
Tgt Ion: 92 Resp: 451814

Ion Ratio Lower Upper

92 100

91 175.5 139.7 209.5





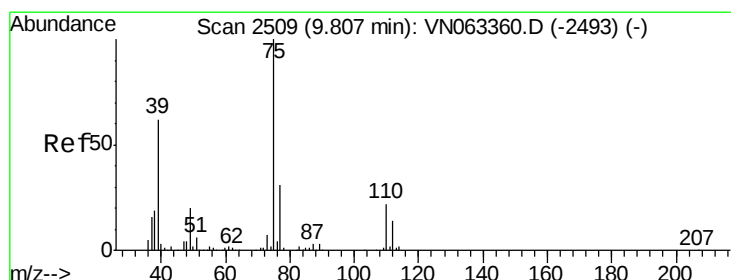
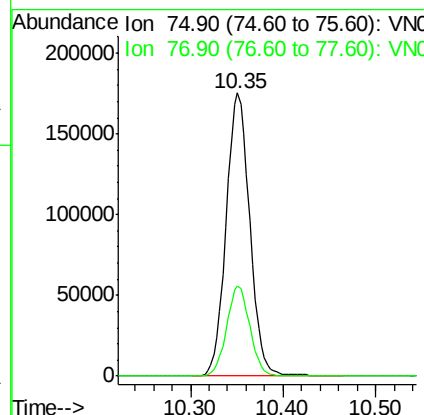
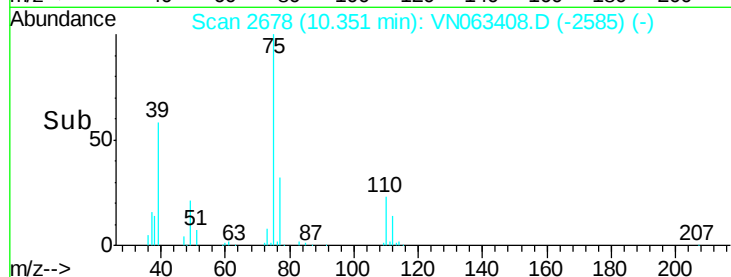
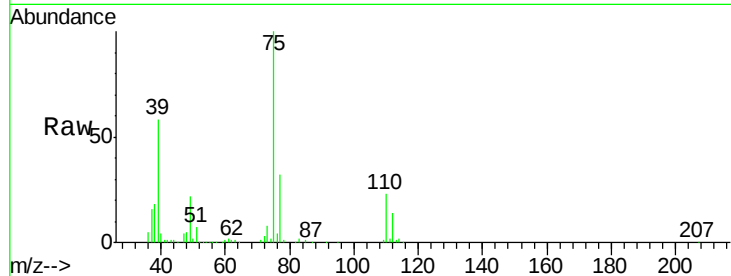
#53
 t-1,3-Dichloropropene
 Concen: 51.337 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 310436
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2

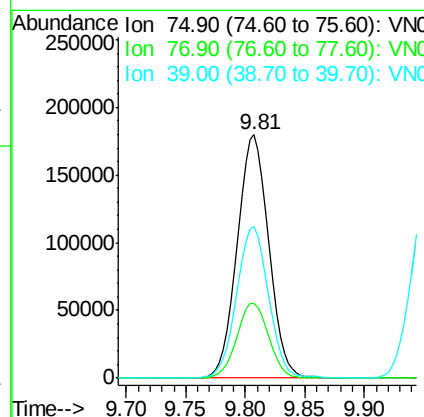
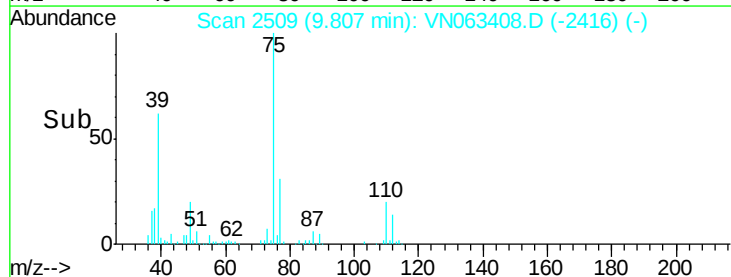
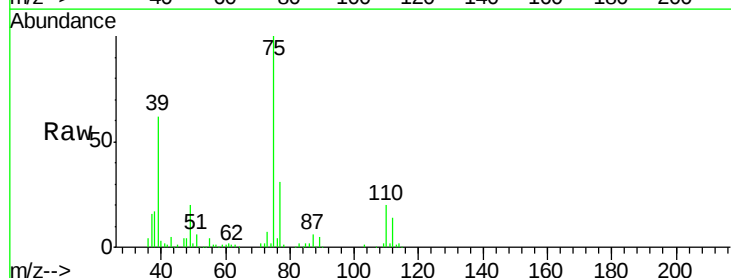
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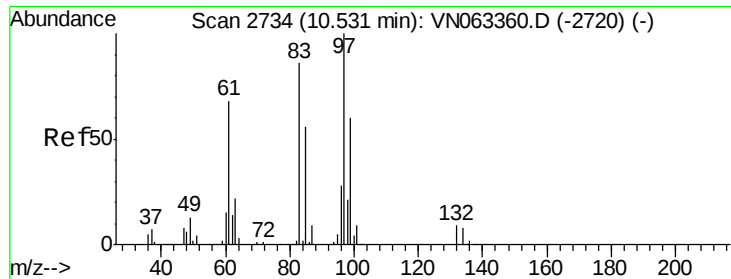
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 9/18/2020 2:55:48 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.815 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 75 Resp: 330491
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.6 37.0
 39 61.8 49.8 74.8





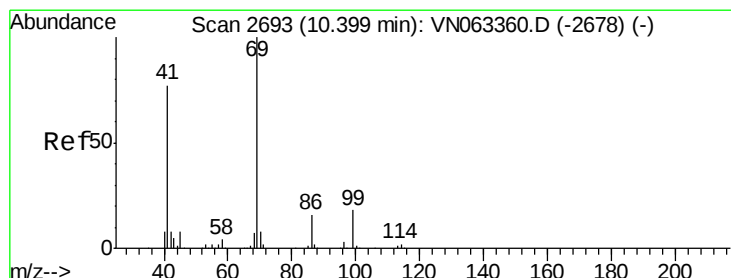
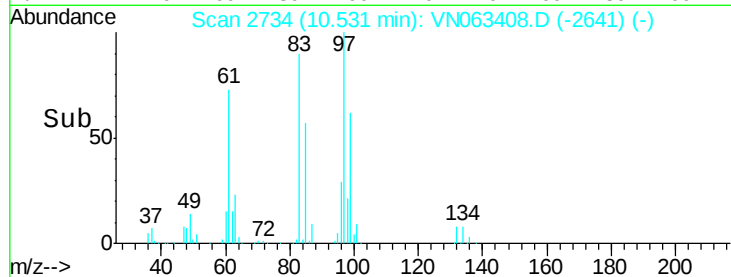
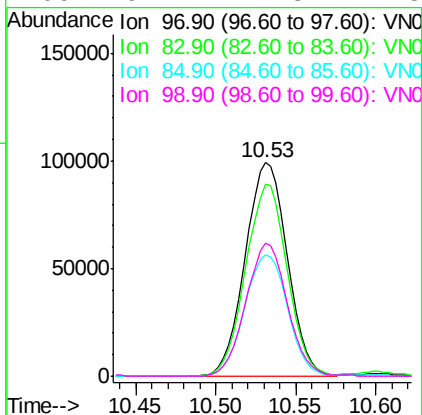
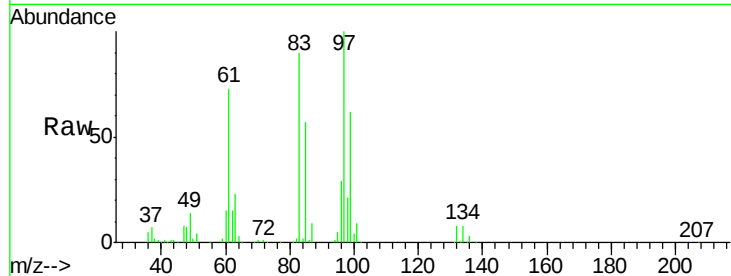
#55
 1,1,2-Trichloroethane
 Concen: 51.577 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	179401
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.9	103.3
85	56.9	44.8	67.2
99	62.2	47.8	71.8

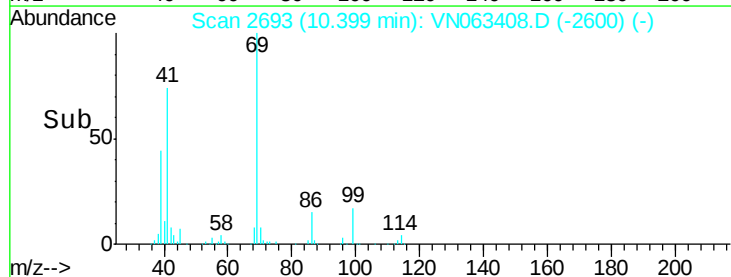
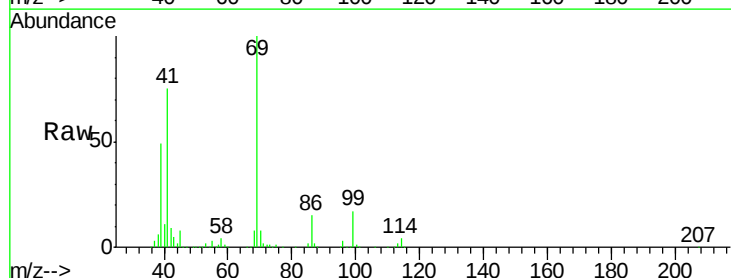
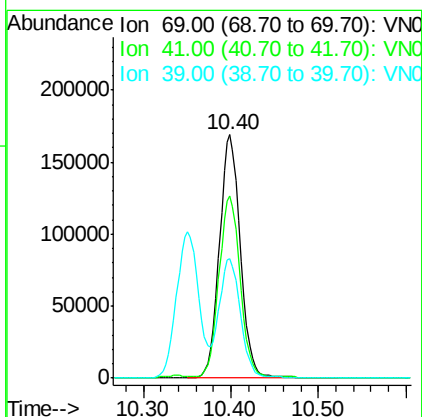
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.655 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion:	69	Resp:	280489
Ion	Ratio	Lower	Upper
69	100		
41	75.3	61.0	91.6
39	49.5	39.2	58.8





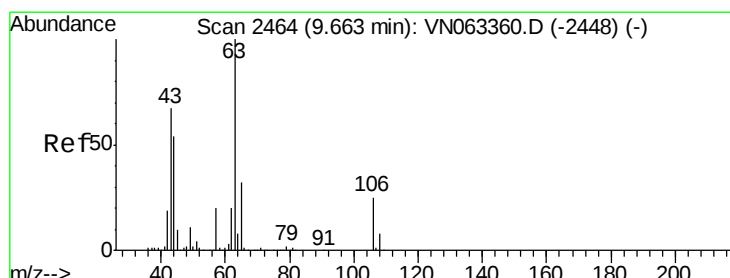
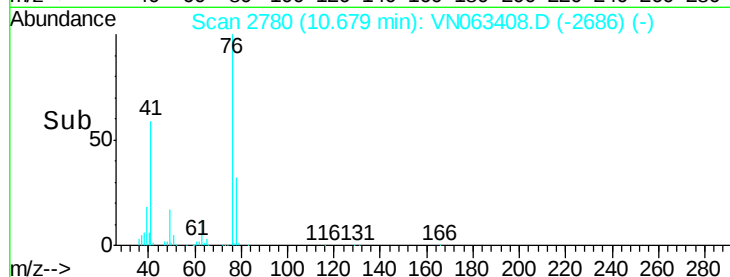
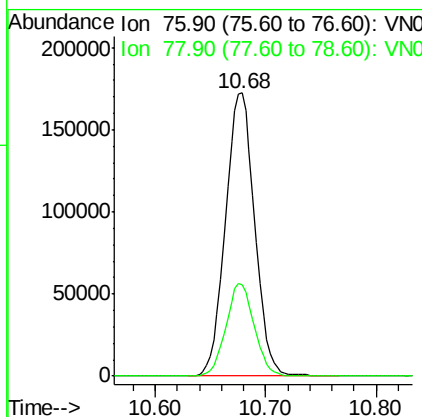
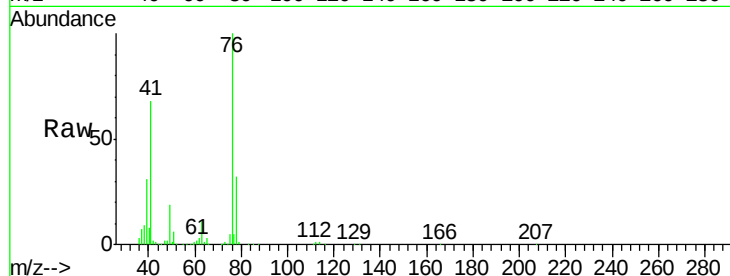
#57
 1,3-Dichloropropane
 Concen: 50.358 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 315872
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8

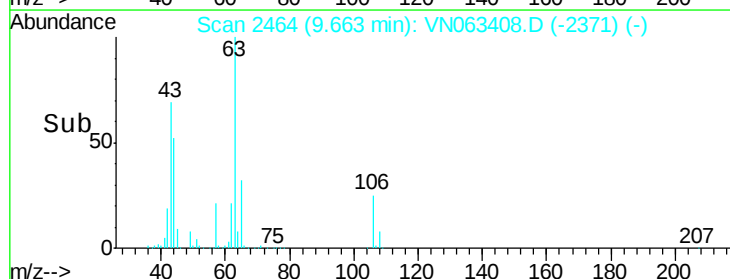
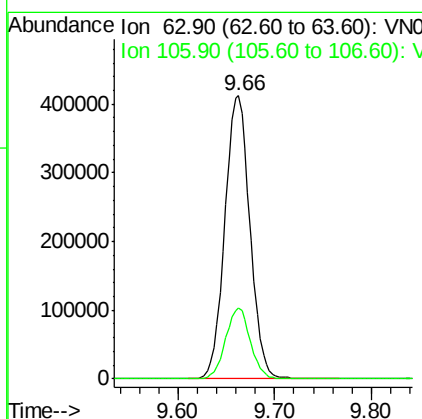
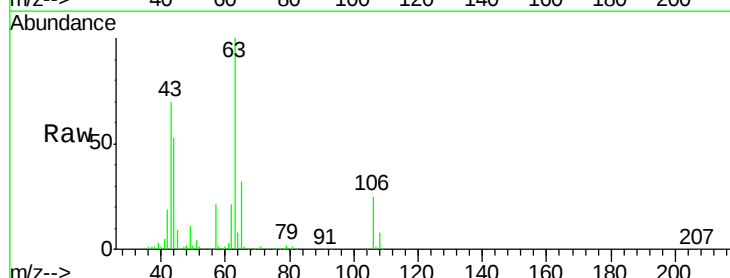
Manual Integrations
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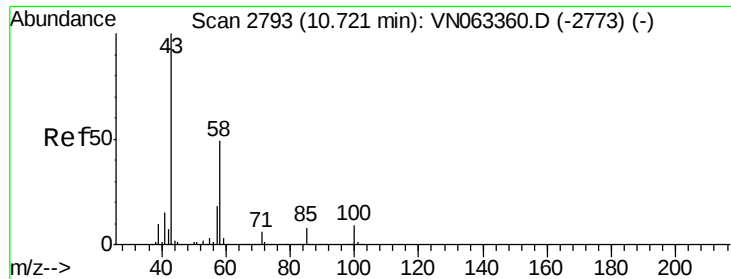
MMDadoda
 9/18/2020 2:55:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.243 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion: 63 Resp: 741306
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.5 29.3





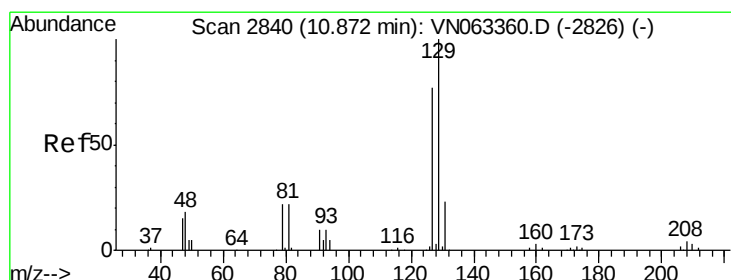
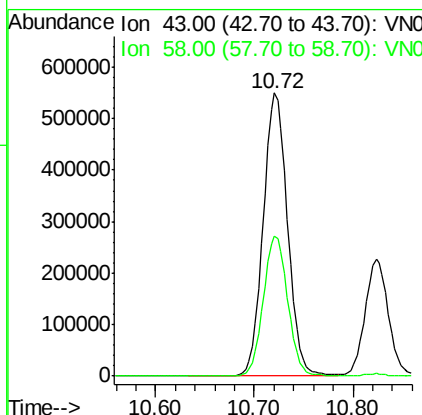
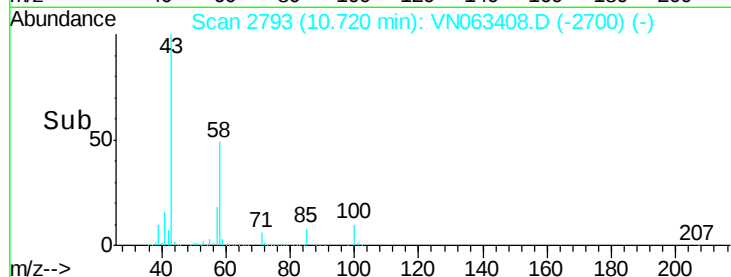
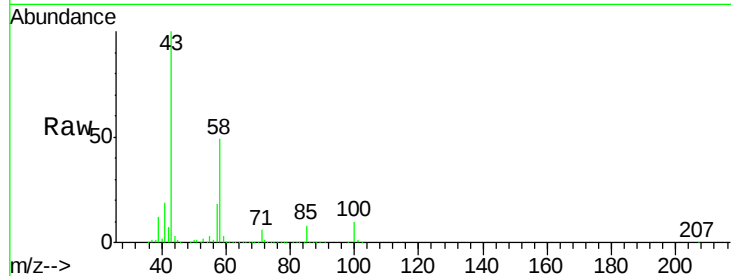
#59
2-Hexanone
Concen: 256.956 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 933183
Ion Ratio Lower Upper
43 100
58 49.6 24.7 74.1

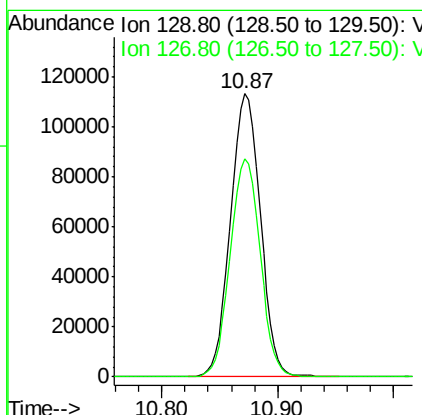
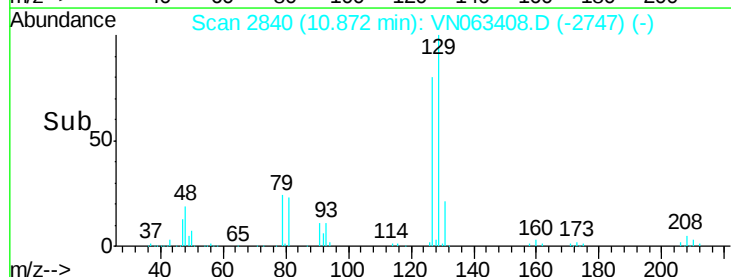
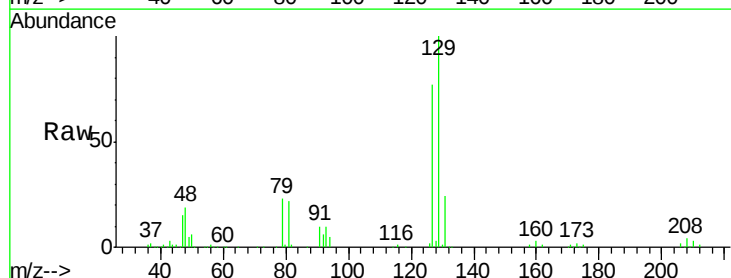
Manual Integrations
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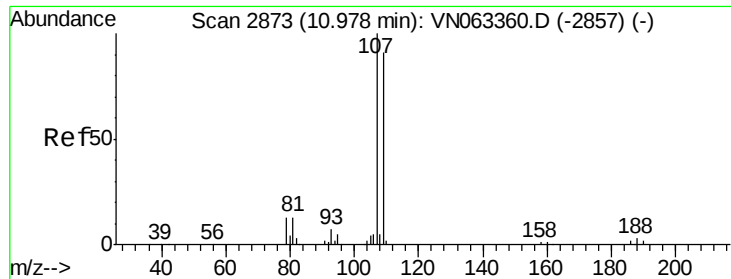
MMDadoda
9/18/2020 2:55:48 PM



#60
Dibromochloromethane
Concen: 51.523 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 129 Resp: 202463
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





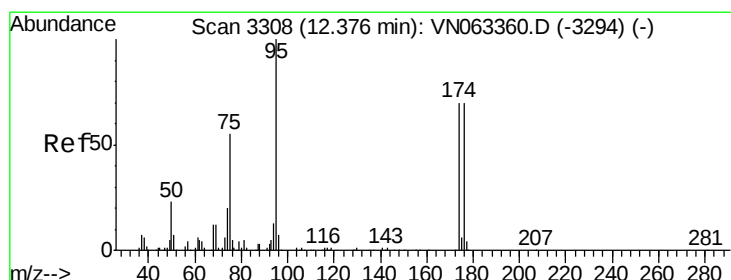
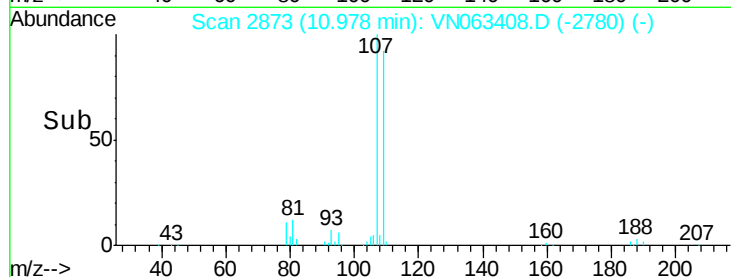
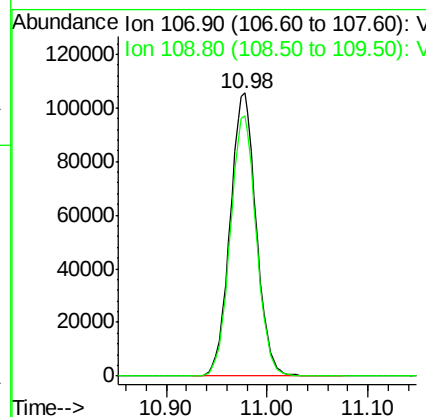
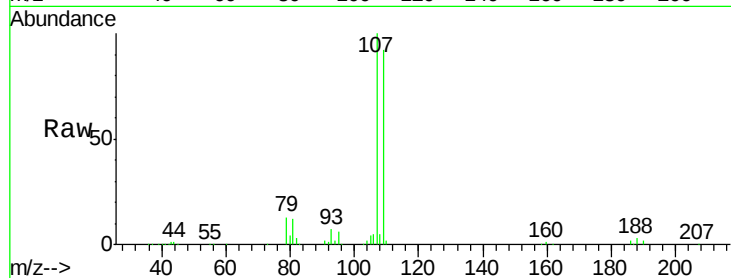
#61
 1,2-Dibromoethane
 Concen: 52.711 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	190483		
109	91.6	74.6	111.8	

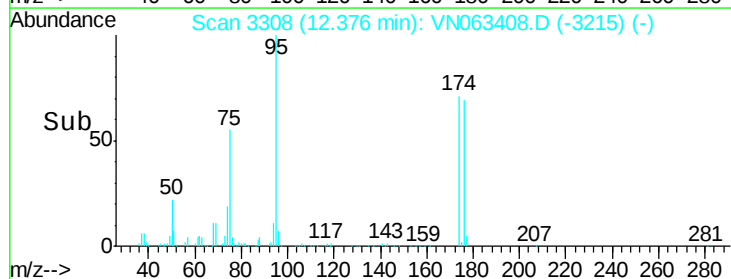
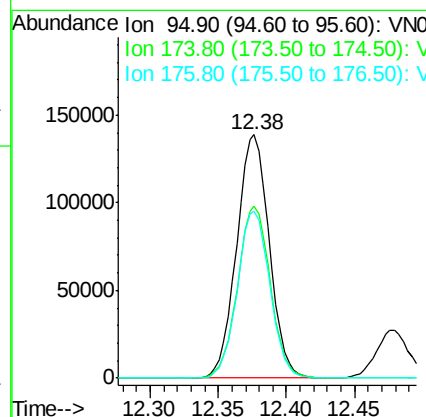
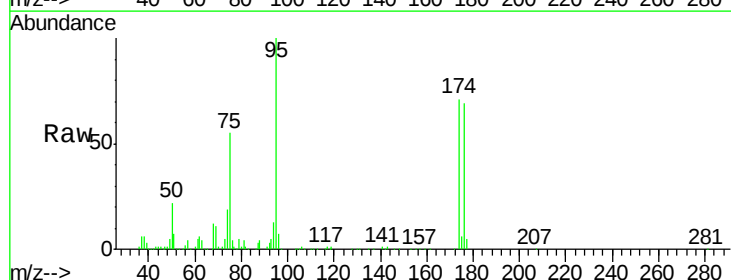
Manual Integrations
 APPROVED

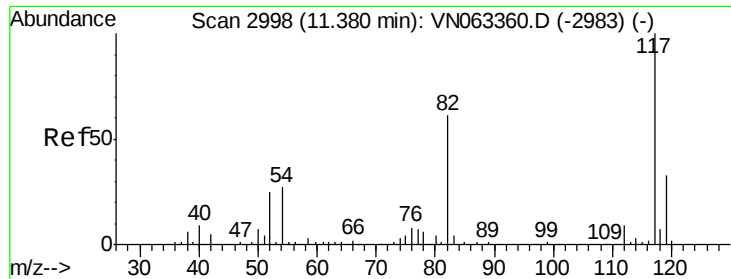
MMDadoda
 9/18/2020 2:55:48 PM



#62
 4-Bromofluorobenzene
 Concen: 50.455 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	230585		
174	71.1	0.0	140.8	
176	68.3	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: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

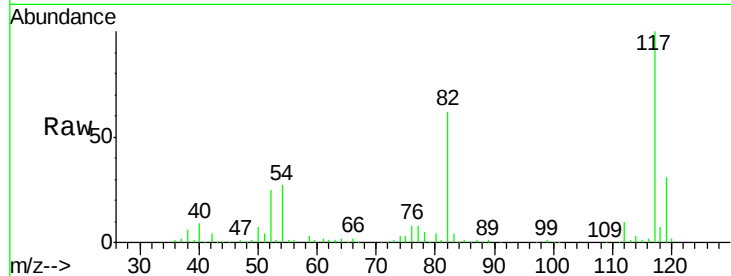
ClientSampleId :

VSTDCCC050

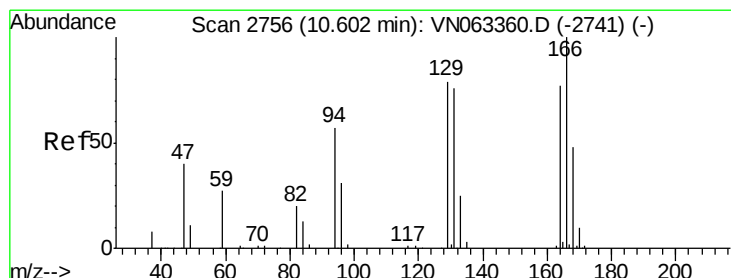
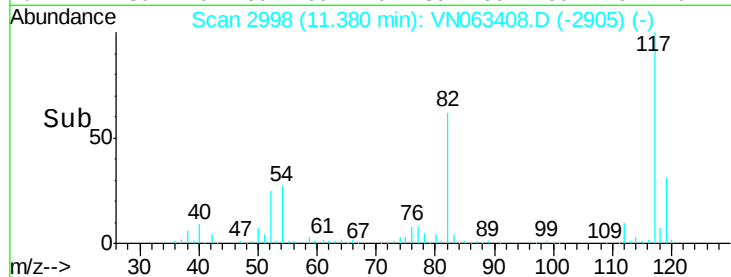
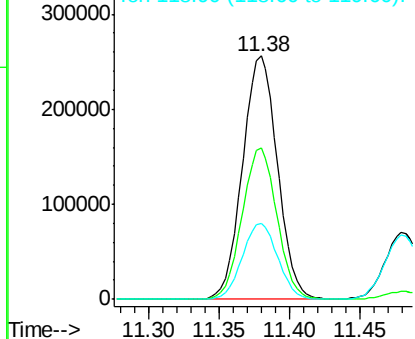
Tot Ion:	117	Resp:	445762
Ion Ratio	Lower	Upper	
117	100		
82	62.1	49.2	73.8
119	31.1	26.2	39.4

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.628 ug/l

RT: 10.60 min Scan# 2756

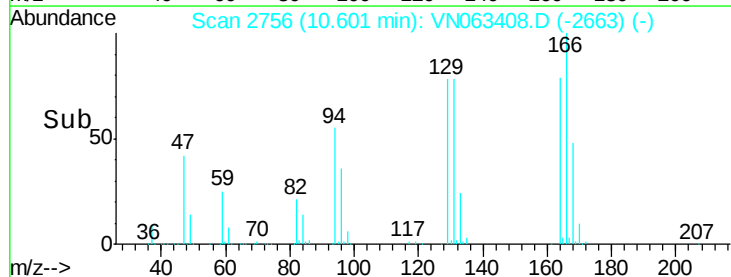
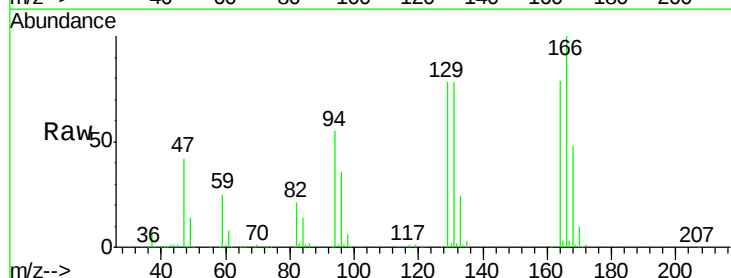
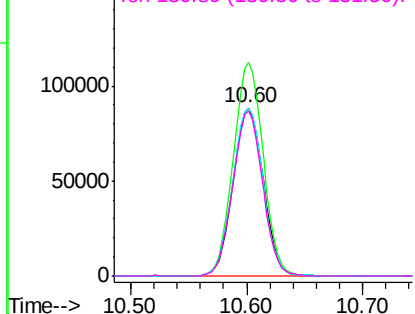
Delta R.T. -0.00 min

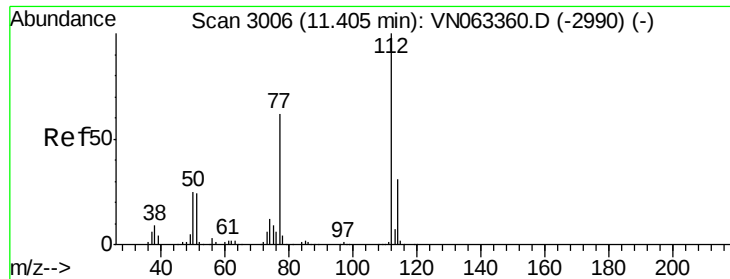
Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	164	Resp:	159744
Ion Ratio	Lower	Upper	
164	100		
166	127.2	103.4	155.0
129	99.7	81.8	122.6
131	98.7	78.2	117.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





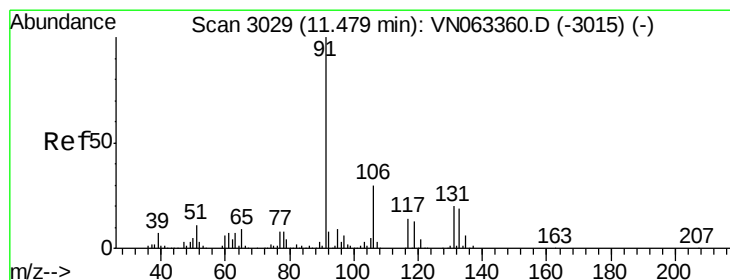
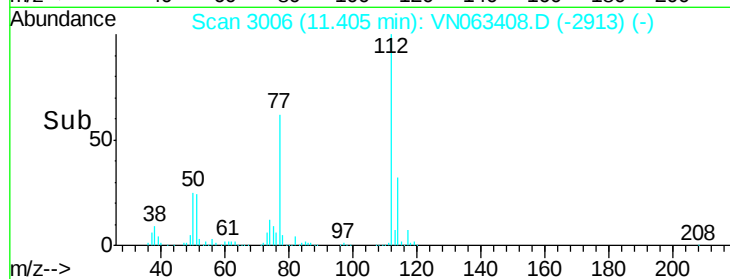
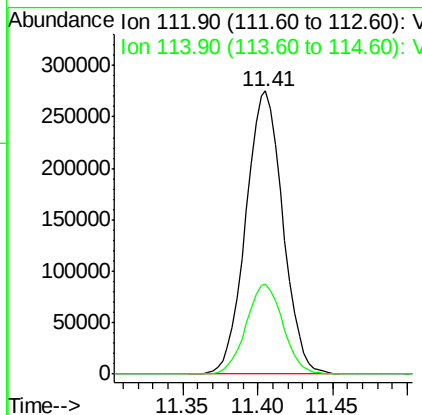
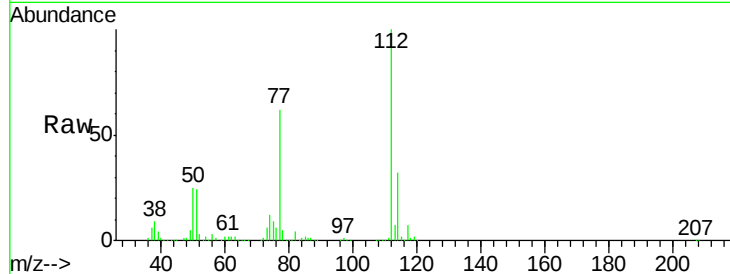
#65
Chlorobenzene
Concen: 50.031 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 473408
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.6

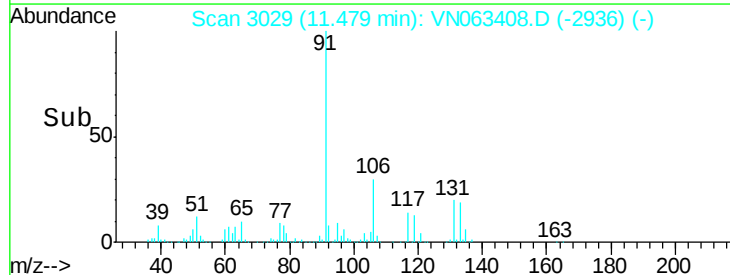
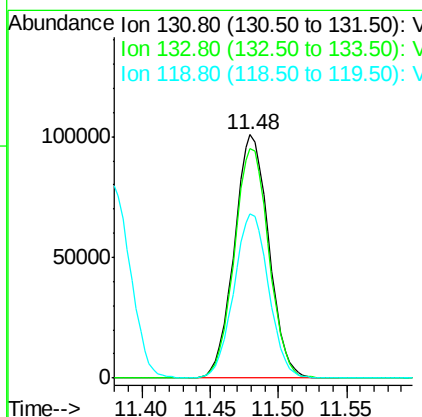
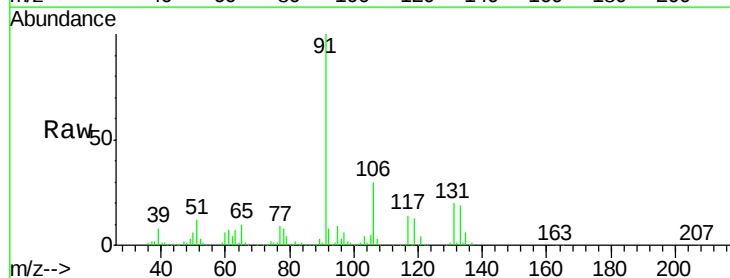
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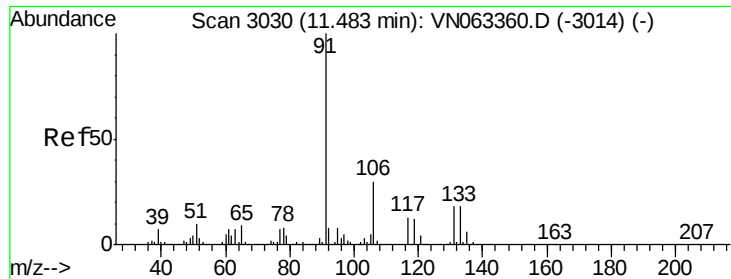
MMDadoda
9/18/2020 2:55:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.038 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion:131 Resp: 177026
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 67.9 33.6 100.8





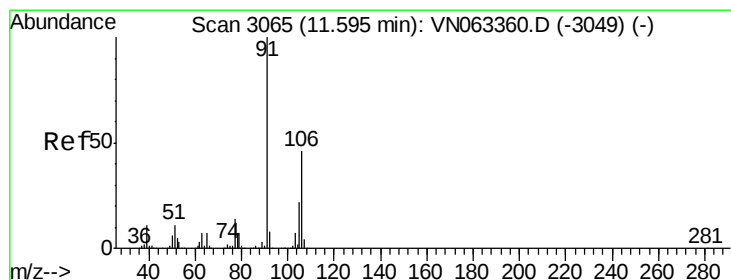
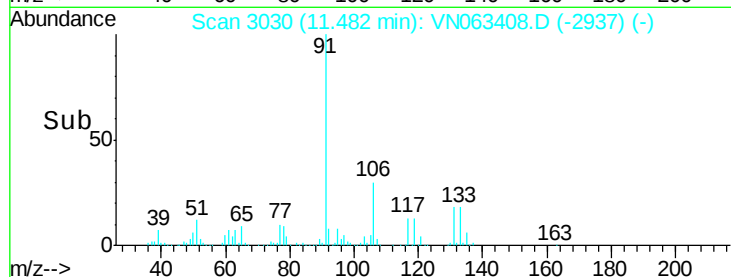
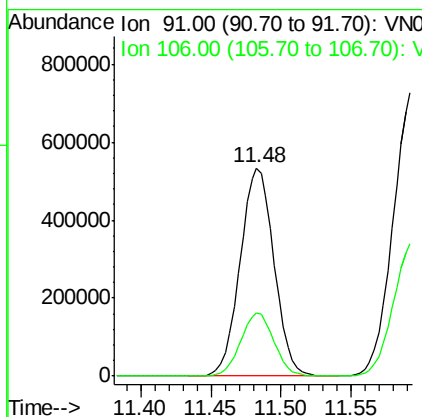
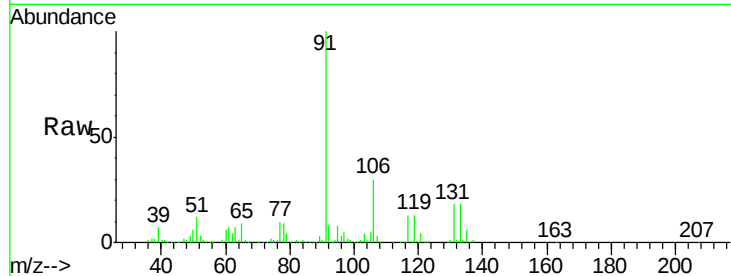
#67
Ethyl Benzene
Concen: 50.408 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 898233
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6

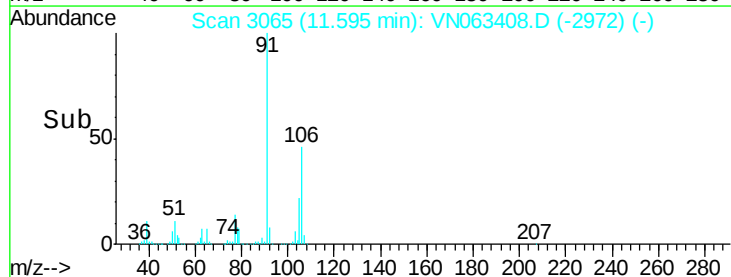
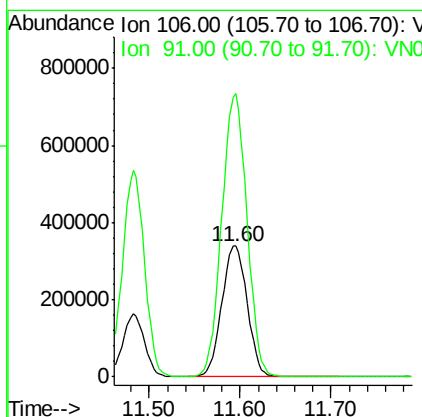
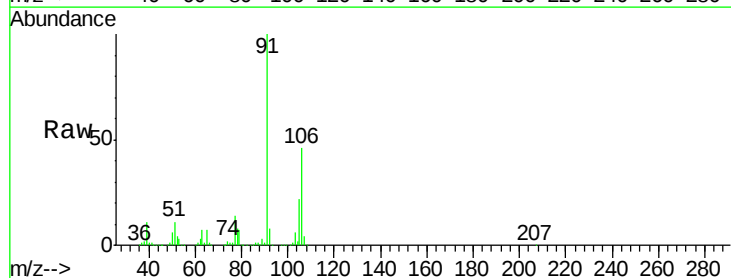
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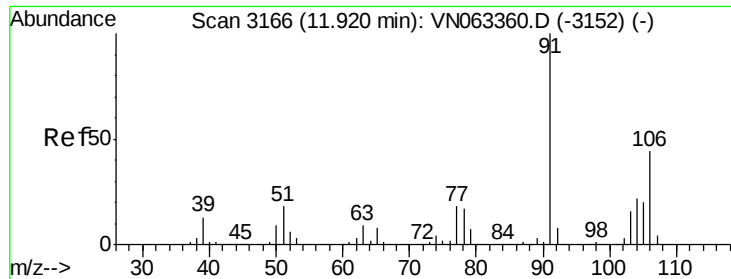
MMDadoda
9/18/2020 2:55:48 PM



#68
m/p-Xylenes
Concen: 102.654 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion: 106 Resp: 659526
Ion Ratio Lower Upper
106 100
91 213.3 171.2 256.8





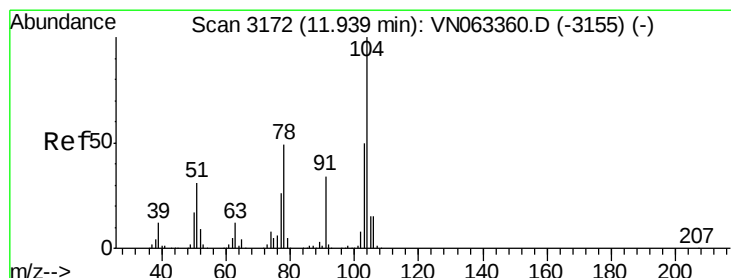
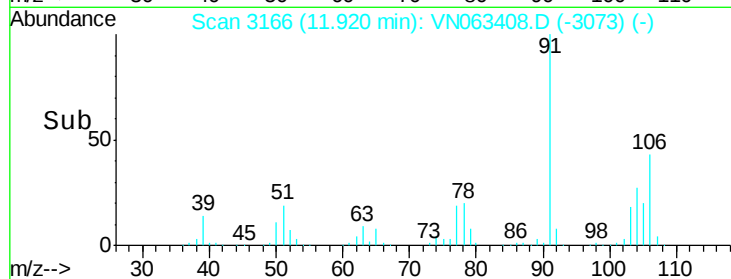
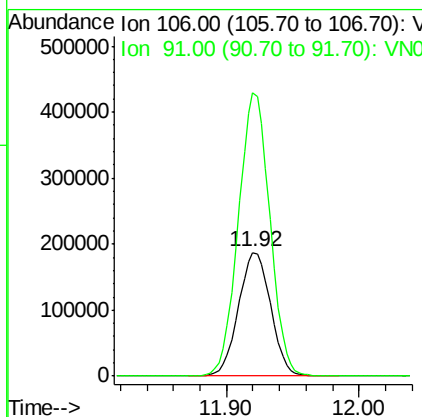
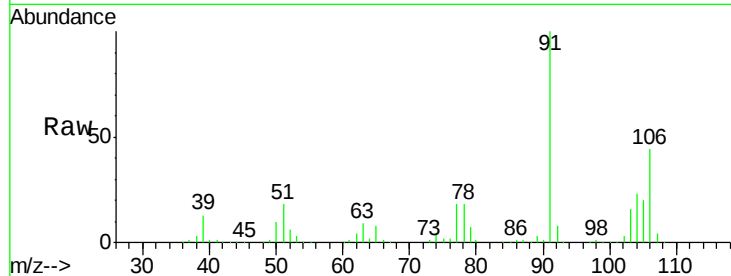
#69
o-Xylene
Concen: 51.669 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 316226
Ion Ratio Lower Upper
106 100
91 223.8 113.6 340.8

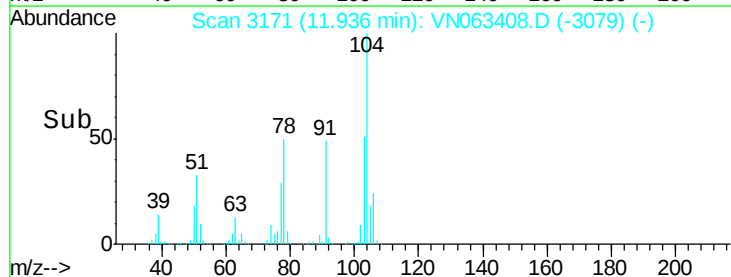
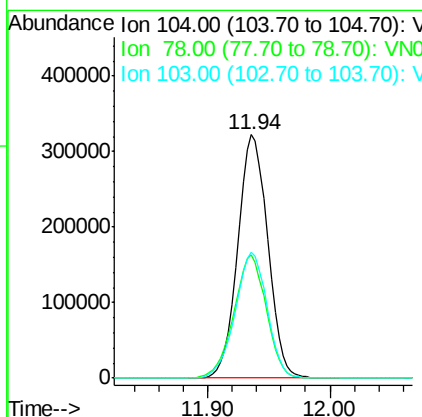
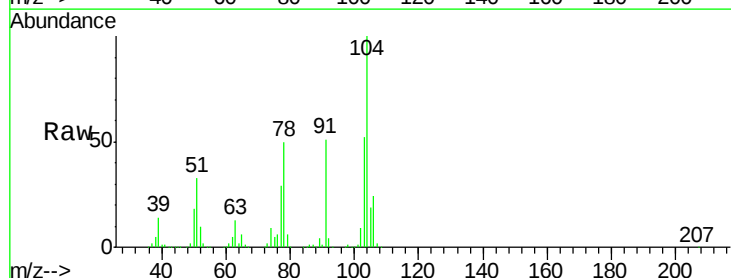
Manual Integrations
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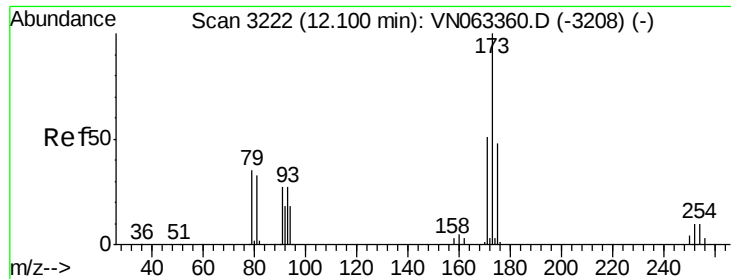
MMDadoda
9/18/2020 2:55:48 PM



#70
Styrene
Concen: 53.284 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion:104 Resp: 546877
Ion Ratio Lower Upper
104 100
78 54.9 44.4 66.6
103 55.3 43.7 65.5





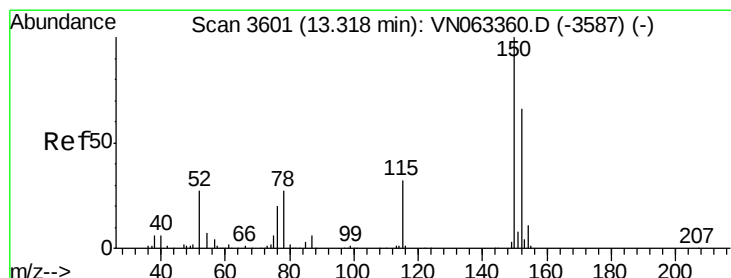
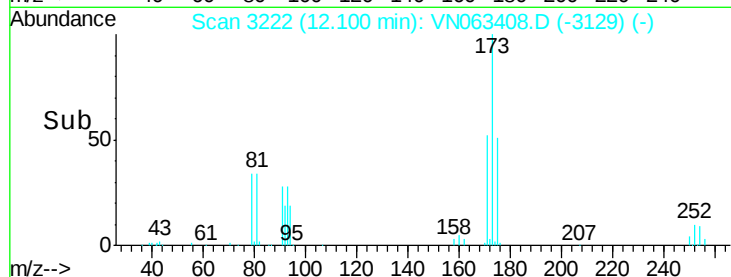
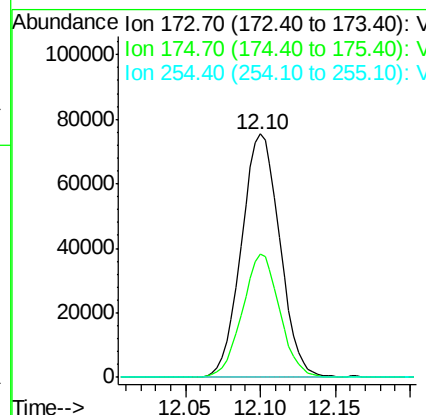
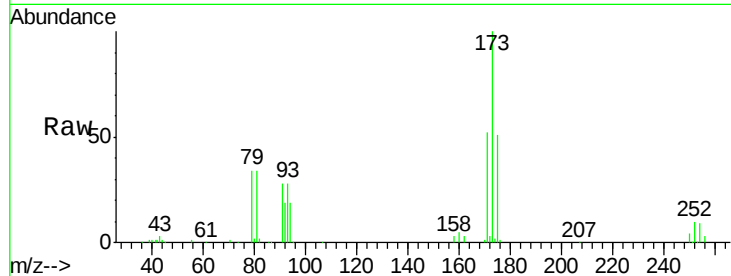
#71
Bromoform
Concen: 52.213 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.0	72.0
254	0.0	0.0	0.0

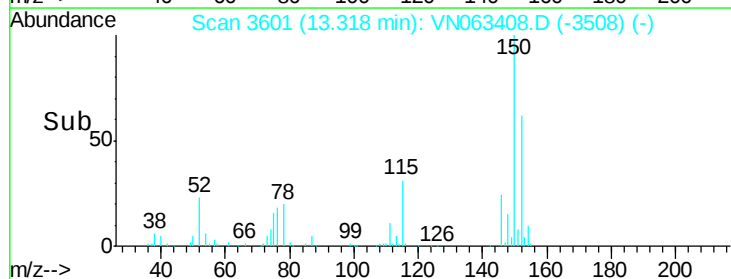
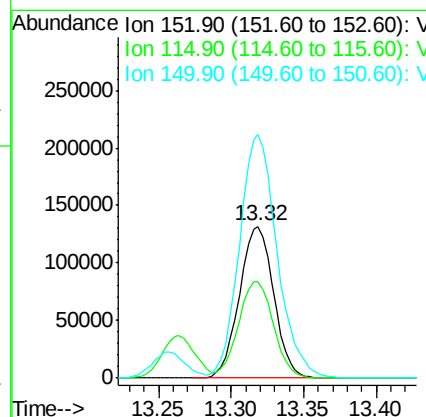
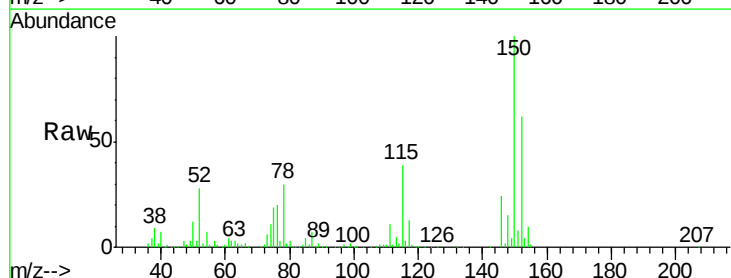
Manual Integrations
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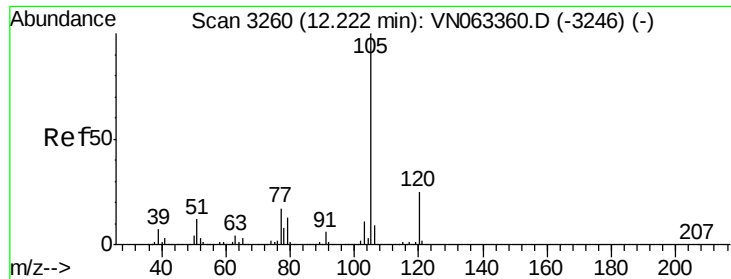
MMDadoda
9/18/2020 2:55:48 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	32.2	96.6
150	175.7	0.0	343.4





#73

Isopropylbenzene

Concen: 49.887 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 864947

Ion Ratio Lower Upper

105 100

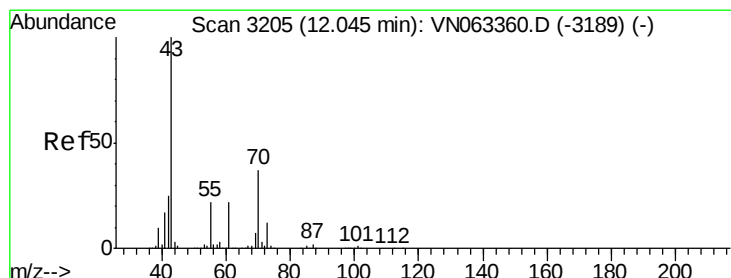
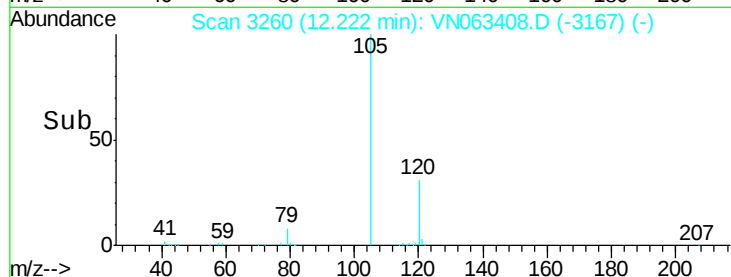
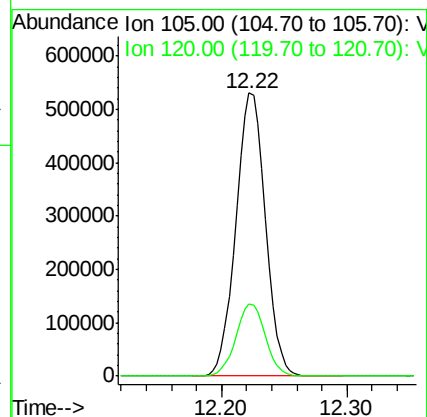
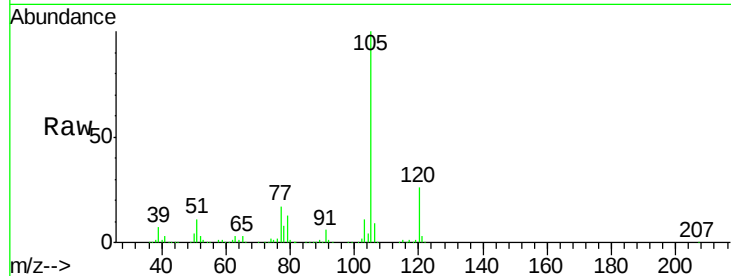
120 25.5 12.7 38.0

Manual Integrations

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9/18/2020 2:55:48 PM



#74

N-ethyl acetate

Concen: 49.169 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion: 43 Resp: 403544

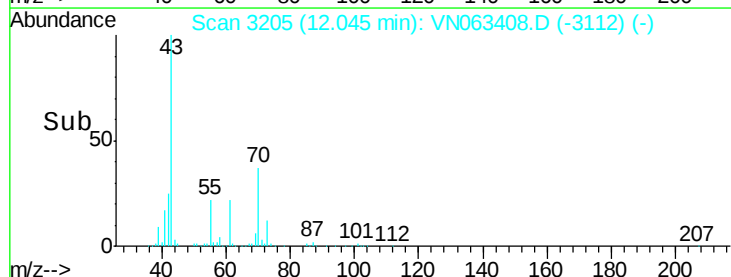
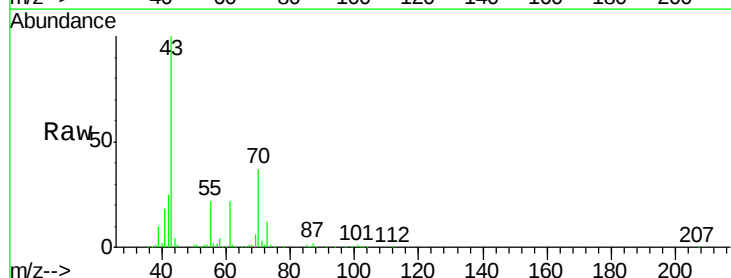
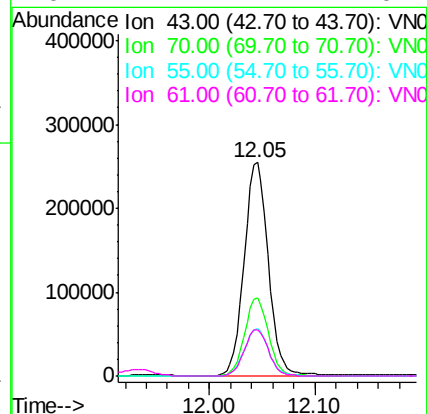
Ion Ratio Lower Upper

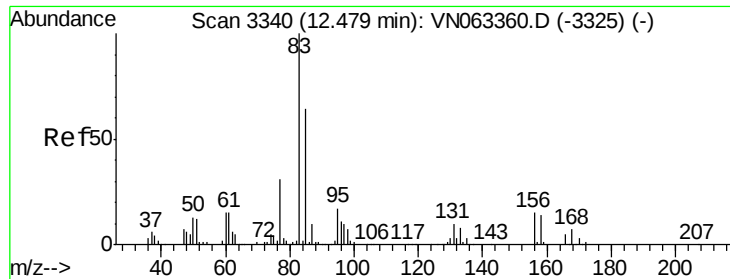
43 100

70 36.6 29.6 44.4

55 22.6 17.7 26.5

61 22.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.026 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 263190

Ion Ratio Lower Upper

83 100

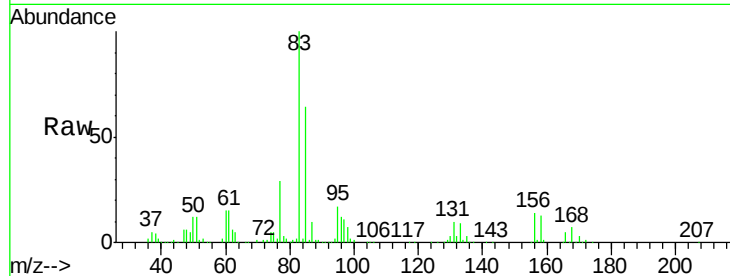
131 9.8 4.9 14.7

85 63.7 32.0 96.0

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

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

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

12.48

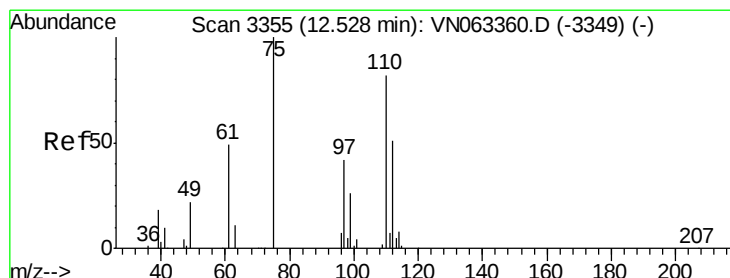
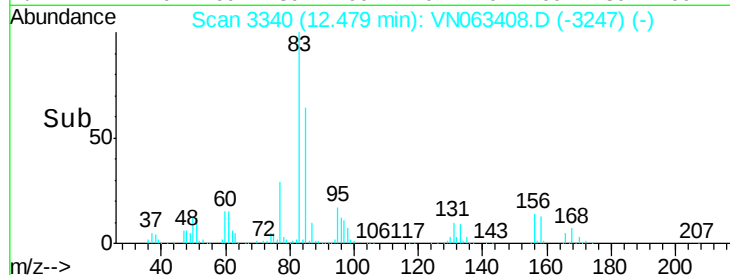
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 44.875 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063408.D

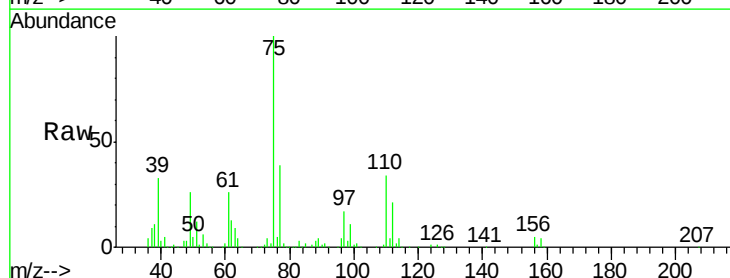
Acq: 17 Sep 2020 10:27

Tgt Ion: 75 Resp: 240316

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



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

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

250000

200000

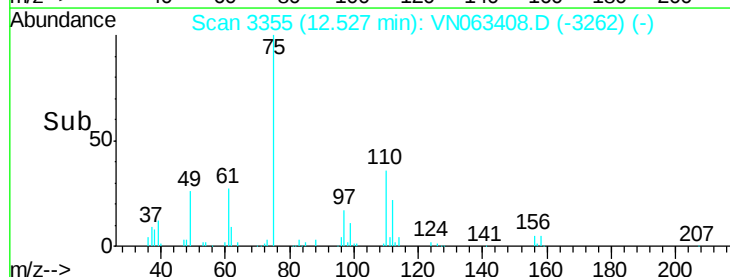
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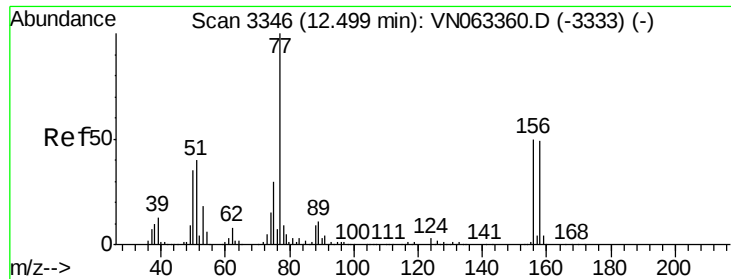
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 51.056 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

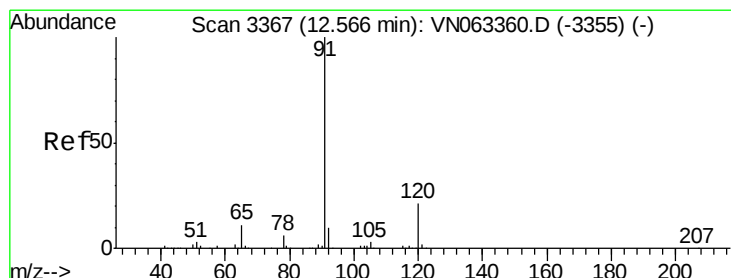
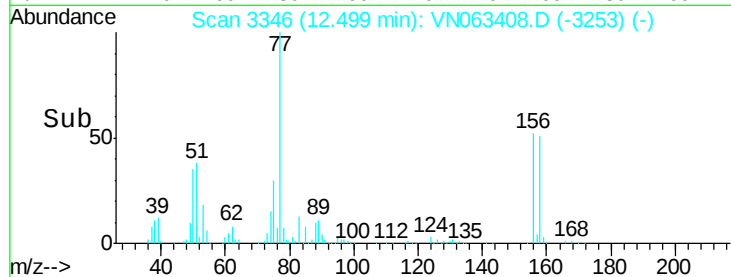
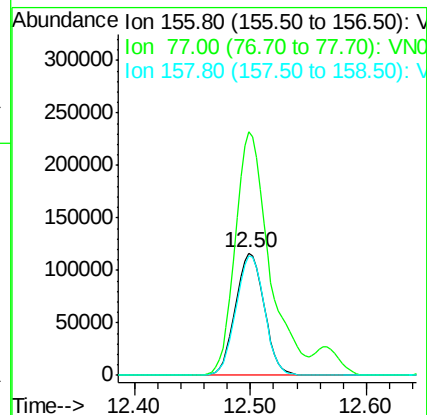
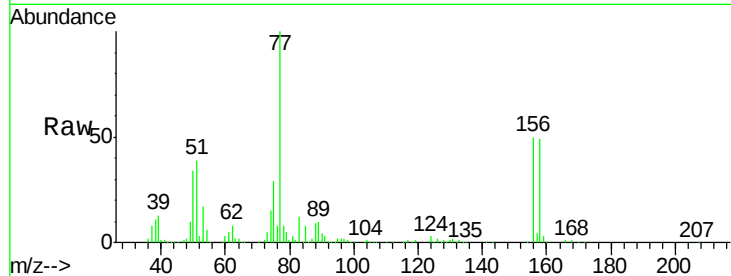
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	199125
Ion Ratio	Lower	Upper	
156	100		
77	235.3	120.2	360.6
158	96.7	48.9	146.6

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#78

n-propylbenzene

Concen: 50.885 ug/l

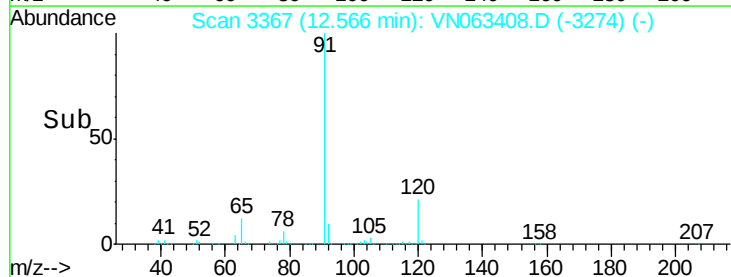
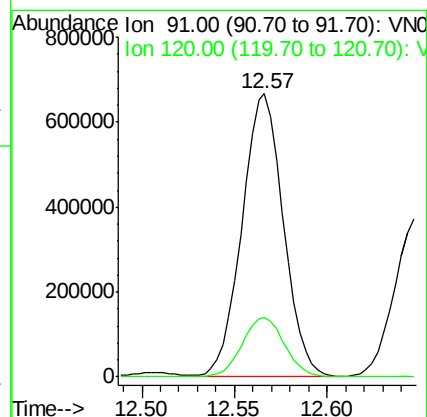
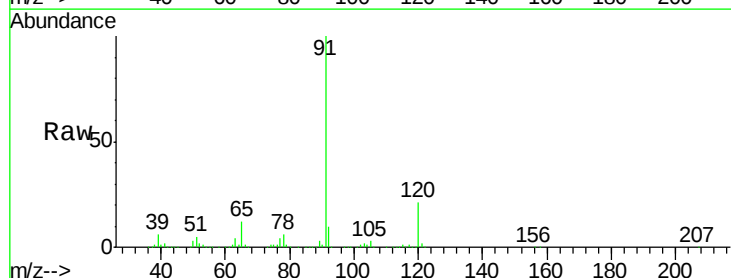
RT: 12.57 min Scan# 3367

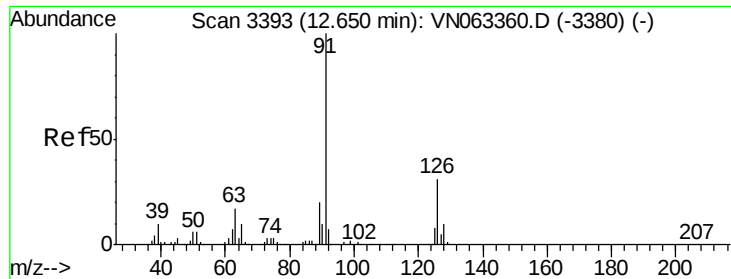
Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	91	Resp:	1027568
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.8	32.3





#79

2-Chlorotoluene

Concen: 50.772 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 614609

Ion Ratio Lower Upper

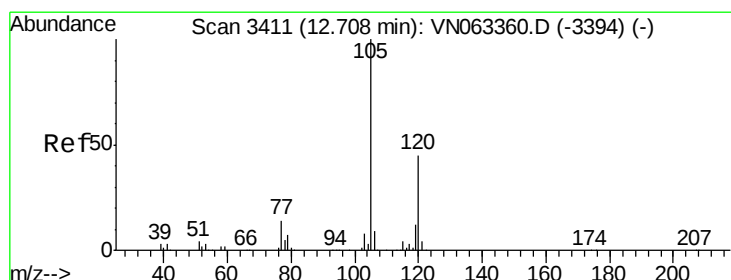
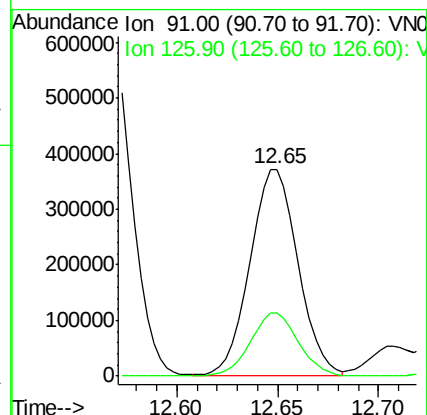
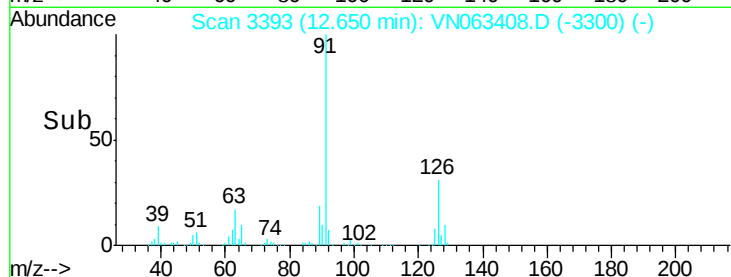
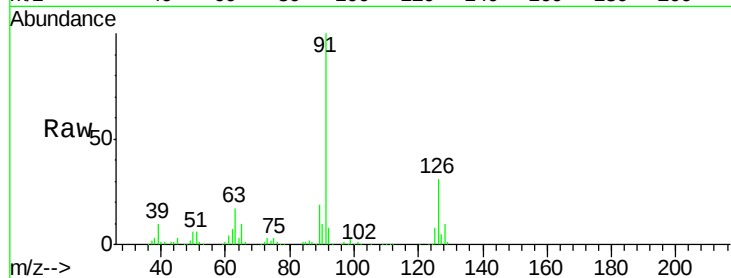
91 100

126 30.7 15.8 47.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.896 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063408.D

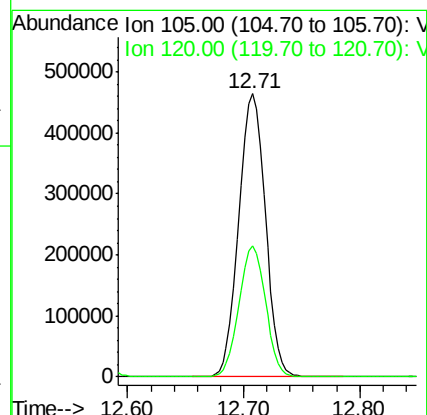
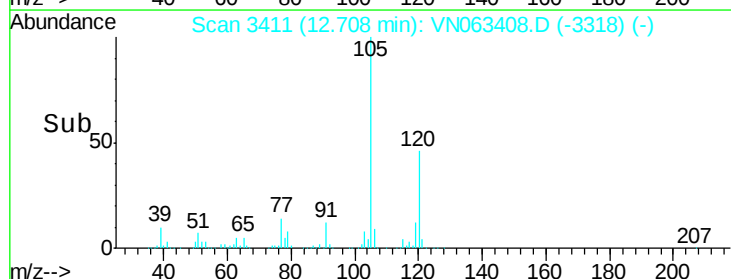
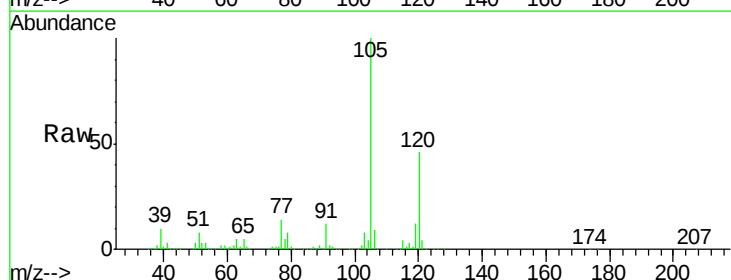
Acq: 17 Sep 2020 10:27

Tgt Ion: 105 Resp: 735842

Ion Ratio Lower Upper

105 100

120 46.2 22.9 68.8





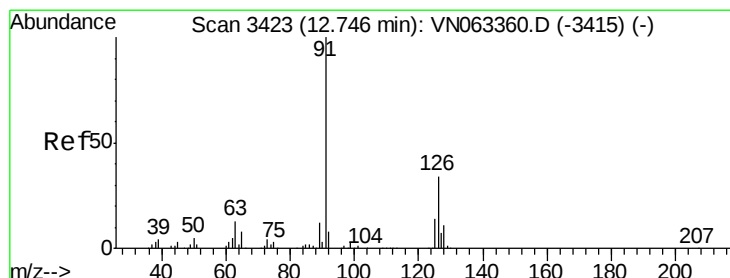
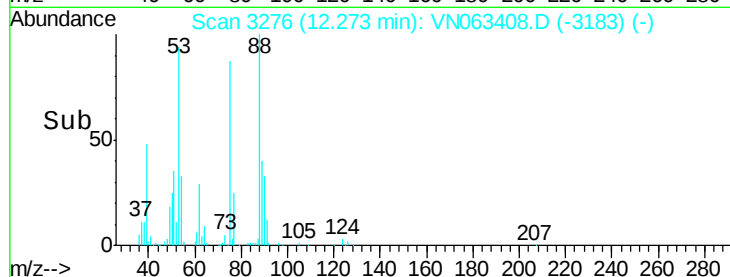
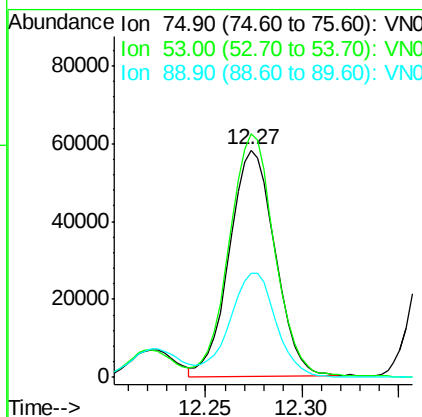
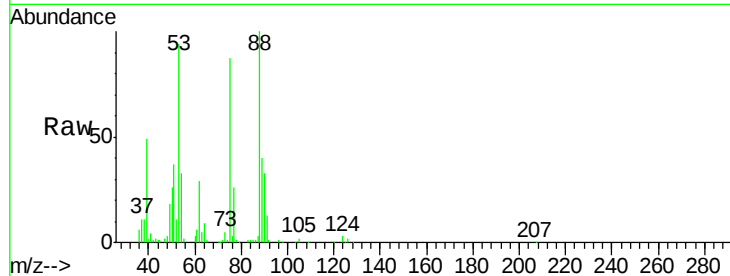
#81
trans-1,4-Dichloro-2-butene
Concen: 48.627 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.4	85.7	128.5
89	47.5	38.0	57.0

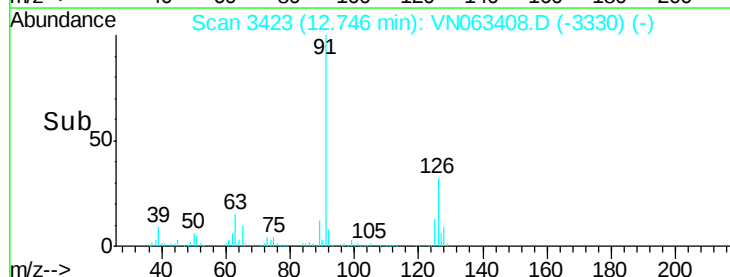
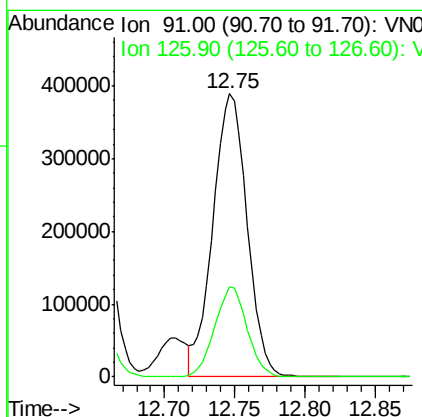
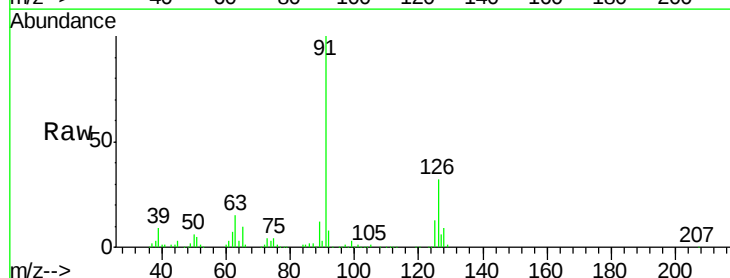
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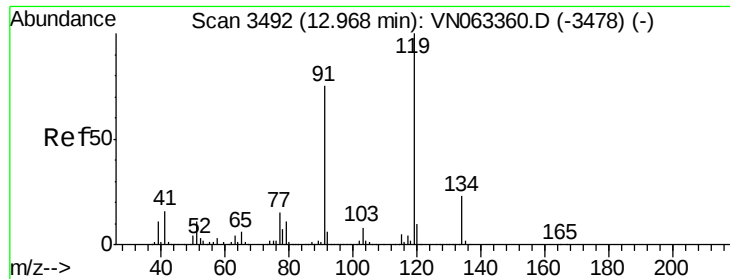
MMDadoda
9/18/2020 2:55:48 PM



#82
4-Chlorotoluene
Concen: 50.957 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.5	46.5





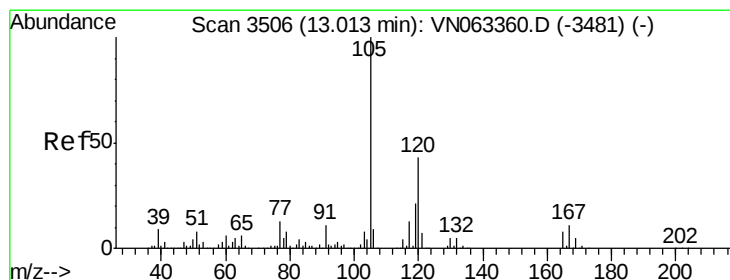
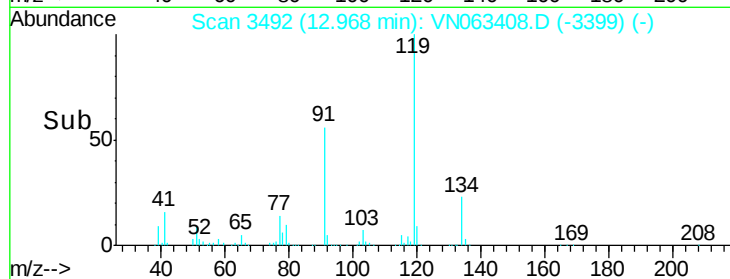
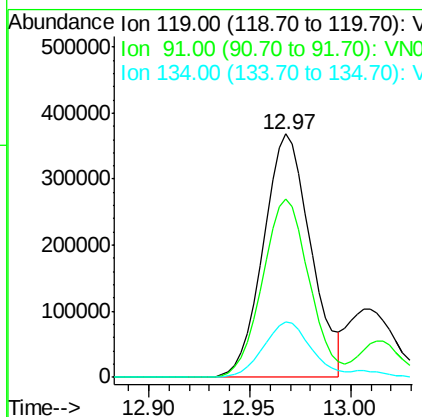
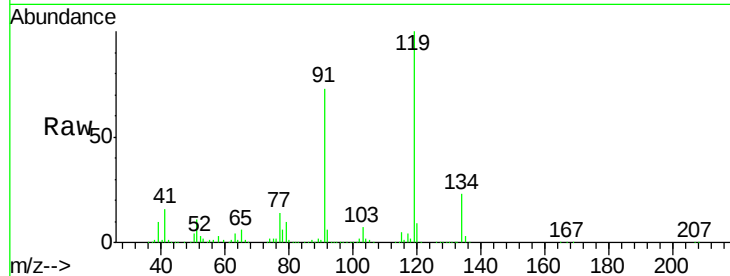
#83
 tert-Butylbenzene
 Concen: 50.487 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	36.3	108.9
134	23.1	12.3	36.8

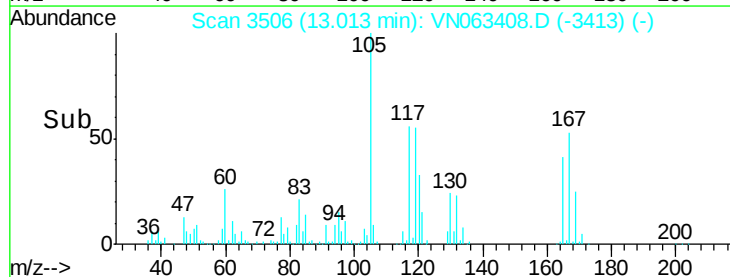
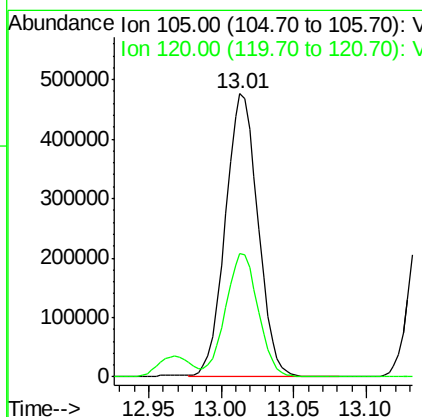
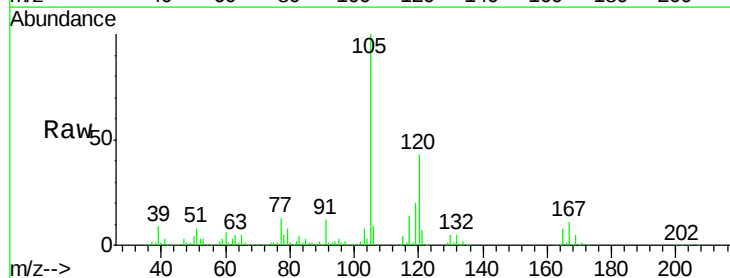
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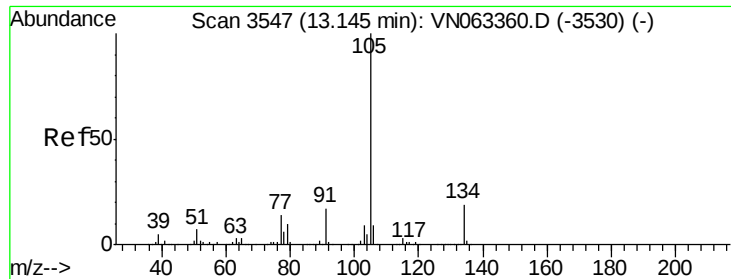
MMDadoda
 9/18/2020 2:55:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.774 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.3	63.9





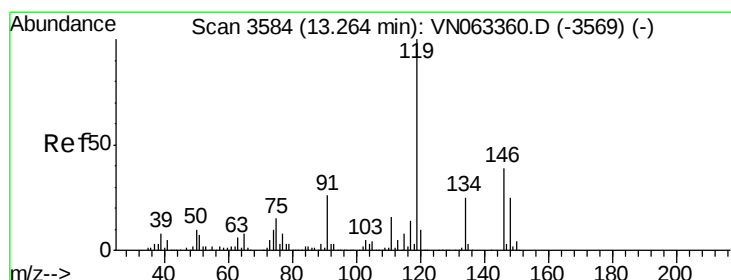
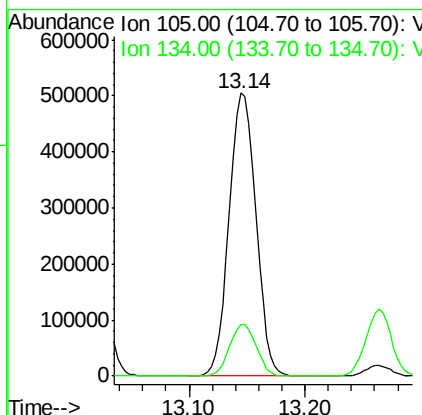
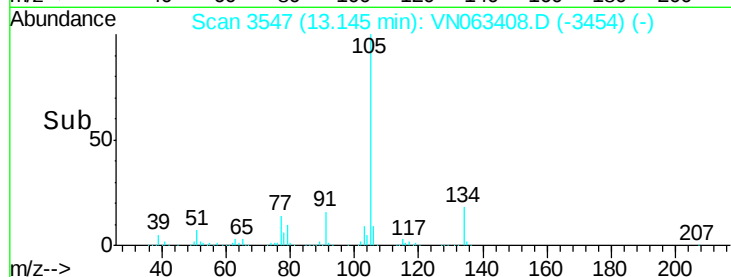
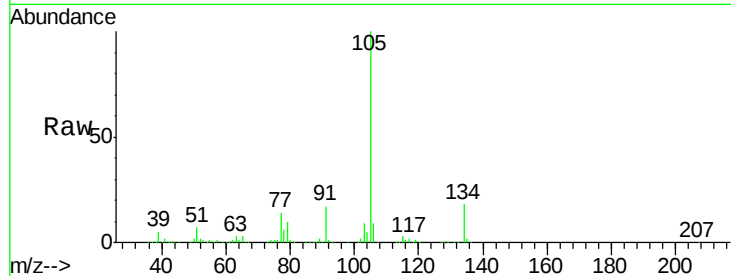
#85
 sec-Butylbenzene
 Concen: 50.643 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	808892		
134	18.3	9.3	27.7	

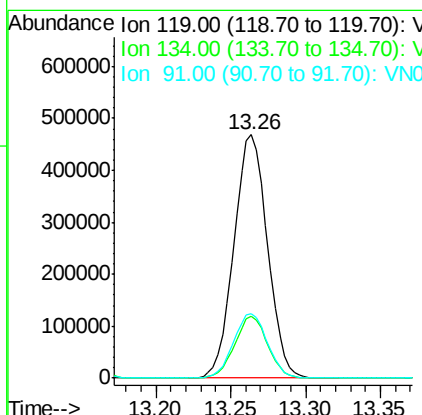
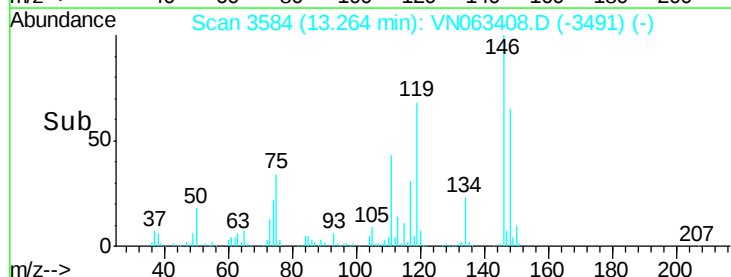
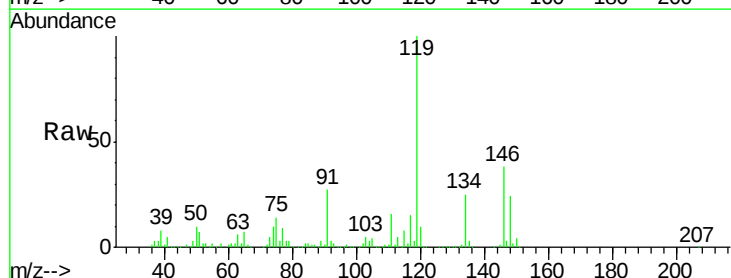
Manual Integrations
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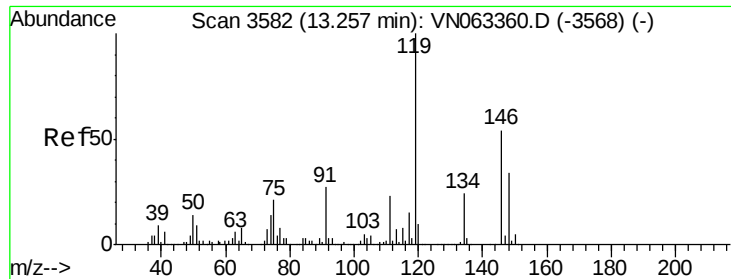
MMDadoda
 9/18/2020 2:55:48 PM



#86
 p-Isopropyltoluene
 Concen: 51.817 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	729992		
134	25.0	12.5	37.5	
91	26.7	13.4	40.1	





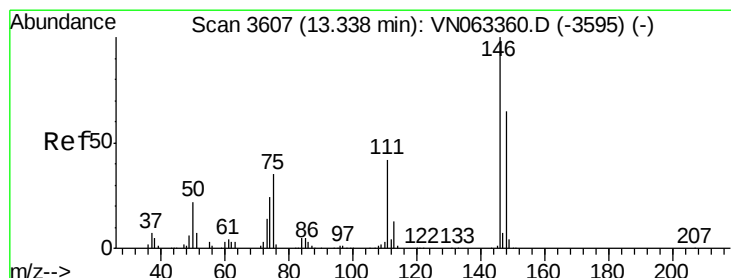
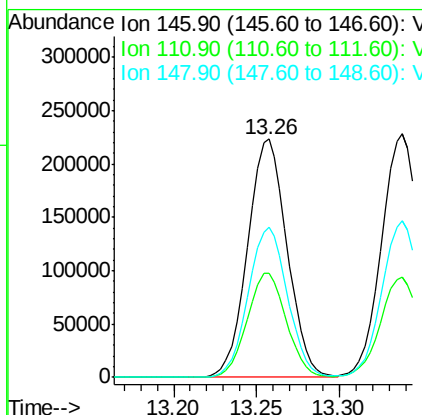
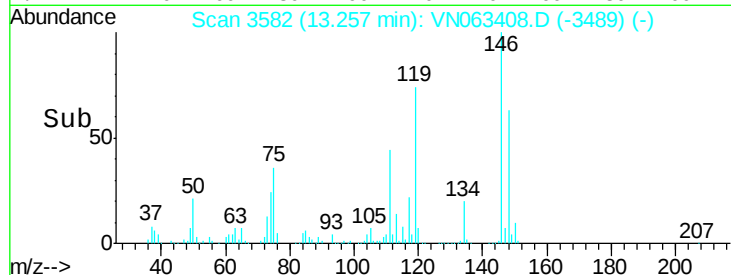
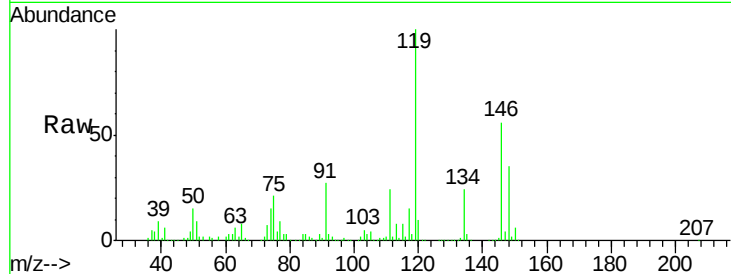
#87
 1,3-Dichlorobenzene
 Concen: 51.019 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	368798		
111	43.6	21.4	64.3	
148	62.7	31.9	95.7	

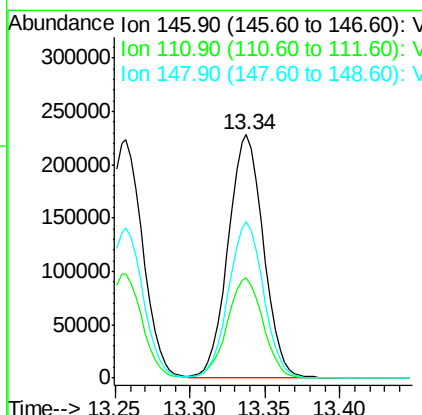
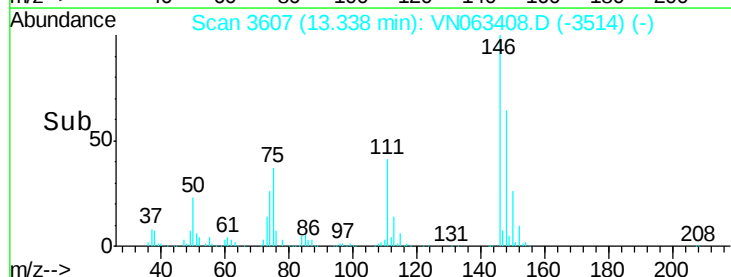
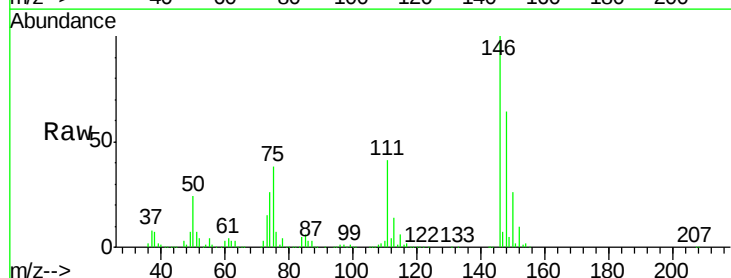
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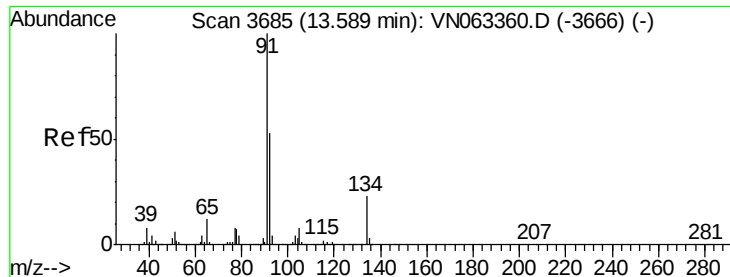
MMDadoda
 9/18/2020 2:55:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.745 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	372949		
111	41.7	21.2	63.6	
148	64.1	31.9	95.9	





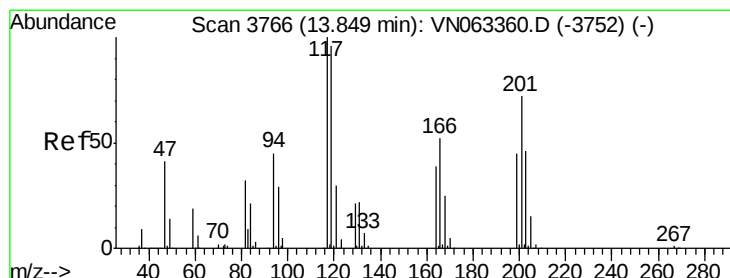
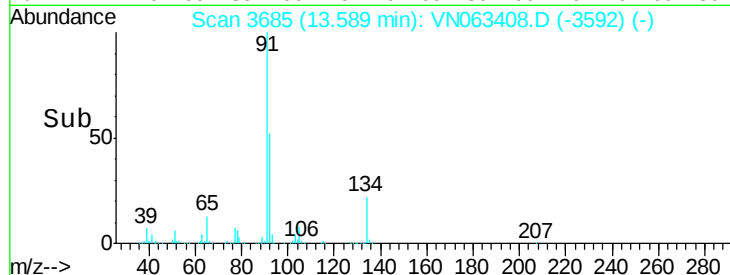
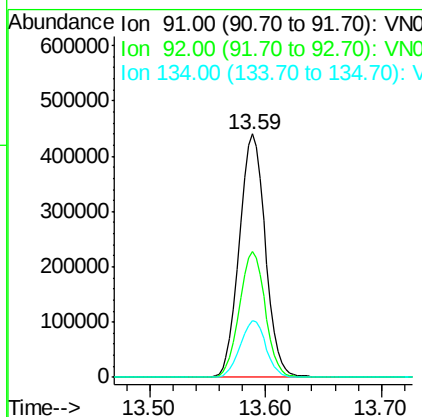
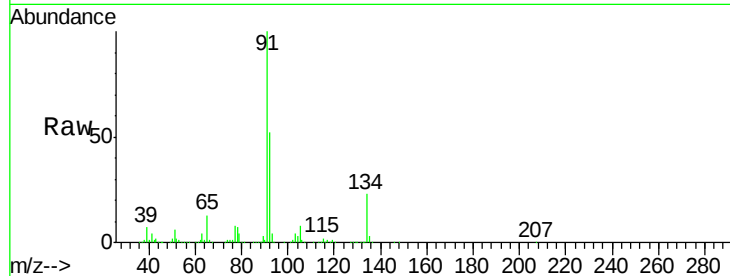
#89
n-Butylbenzene
Concen: 52.801 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	23.2	11.7	35.0

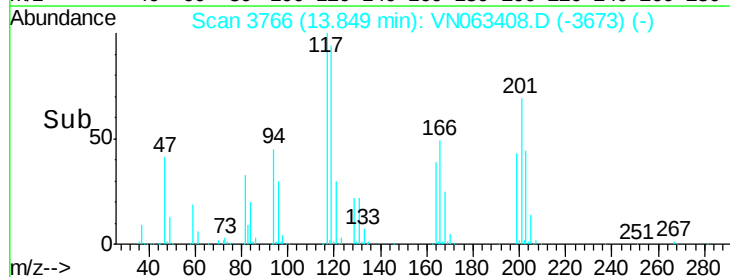
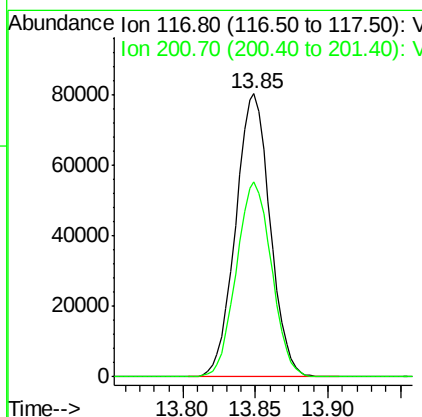
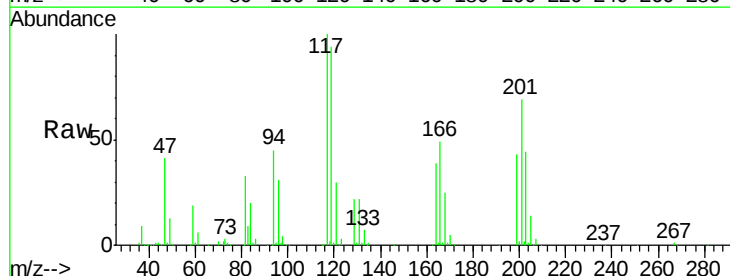
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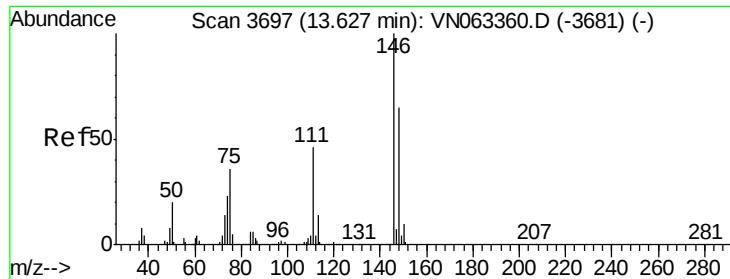
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#90
Hexachloroethane
Concen: 49.538 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063408.D
Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.5	106.7





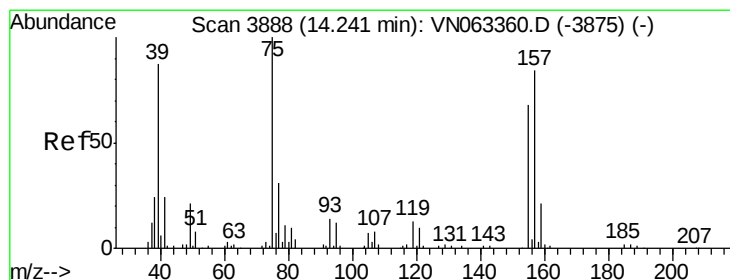
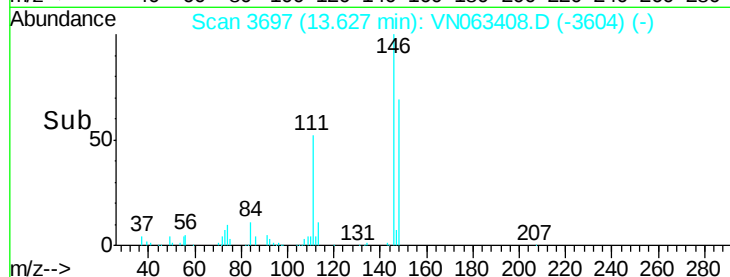
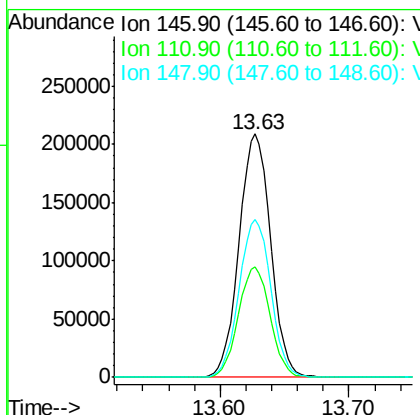
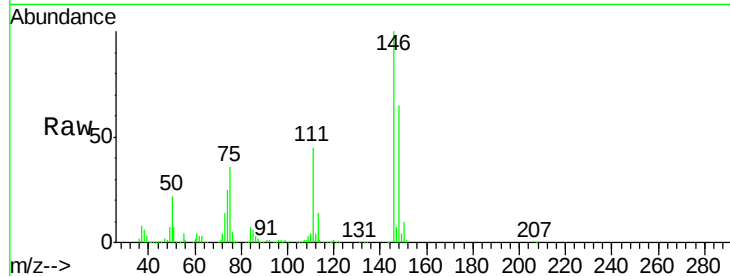
#91
 1,2-Dichlorobenzene
 Concen: 50.359 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.4	67.2
148	65.3	32.0	96.0

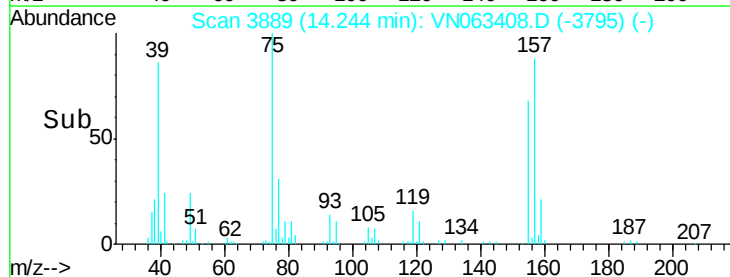
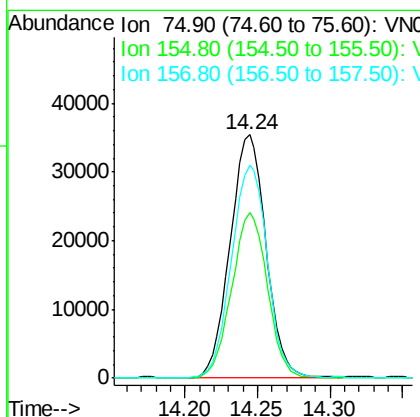
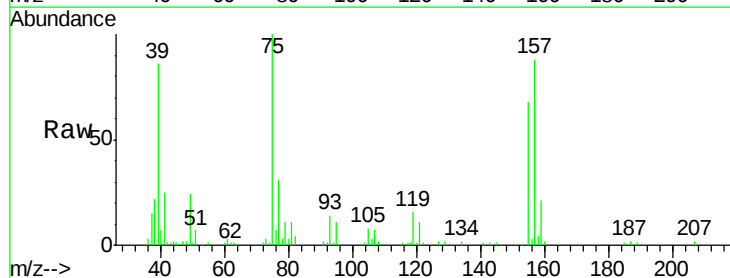
Manual Integrations
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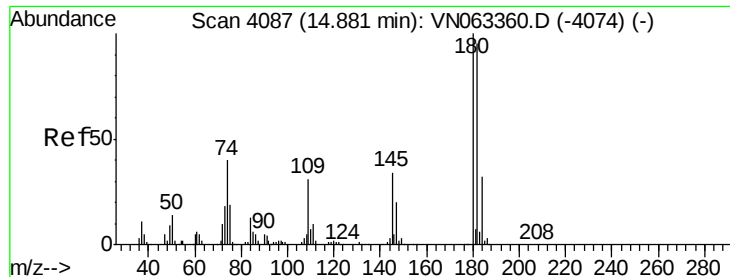
MMDadoda
 9/18/2020 2:55:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.798 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.9	34.6	103.9
157	87.4	43.7	131.1





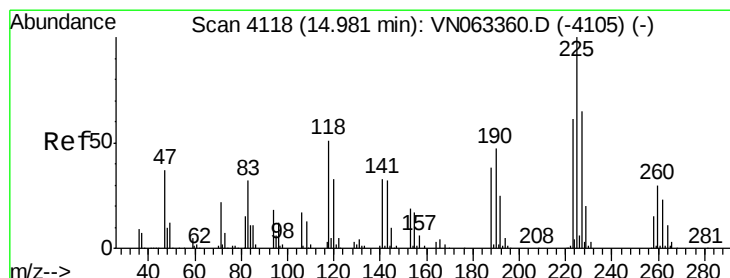
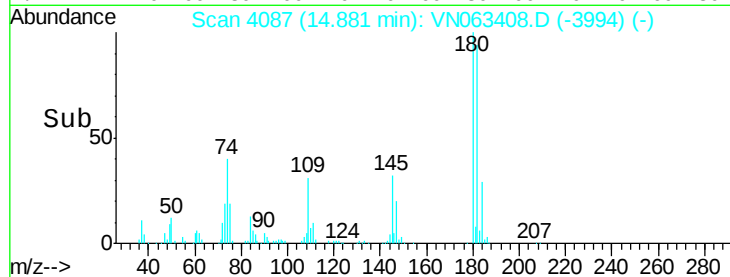
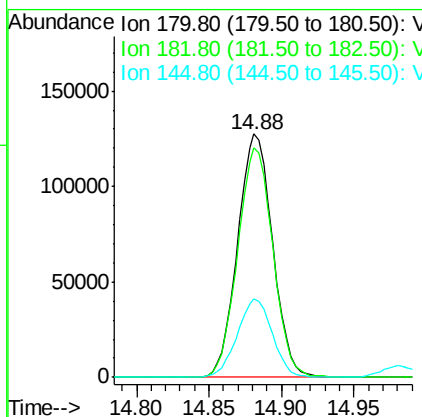
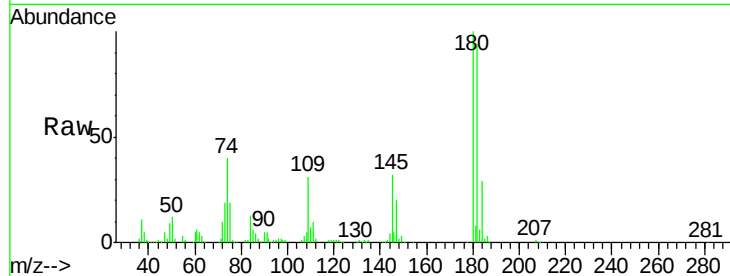
#93
 1,2,4-Trichlorobenzene
 Concen: 51.029 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	213502
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	32.3	16.6	49.7

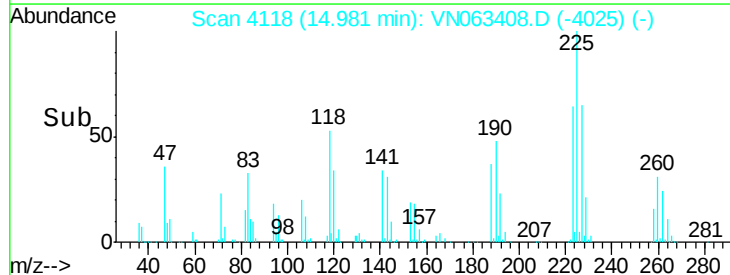
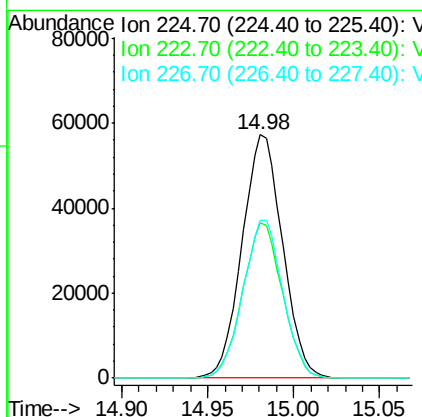
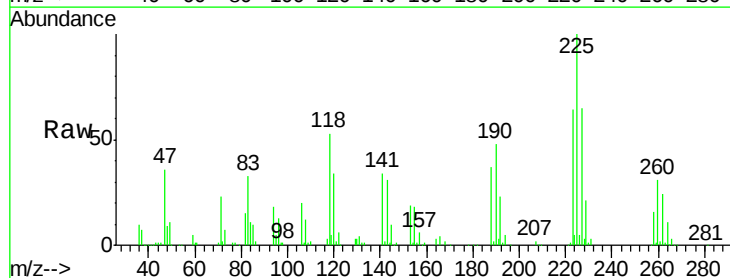
Manual Integrations
 APPROVED

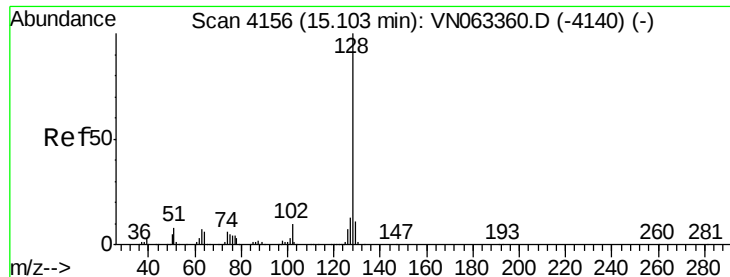
MMDadoda
 9/18/2020 2:55:48 PM



#94
 Hexachlorobutadiene
 Concen: 53.788 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063408.D
 Acq: 17 Sep 2020 10:27

Tgt Ion:	225	Resp:	93166
Ion Ratio	Lower	Upper	
225	100		
223	63.0	30.6	91.6
227	64.1	31.2	93.6





#95

Naphthalene

Concen: 49.151 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Instrument :

MSVOA_N

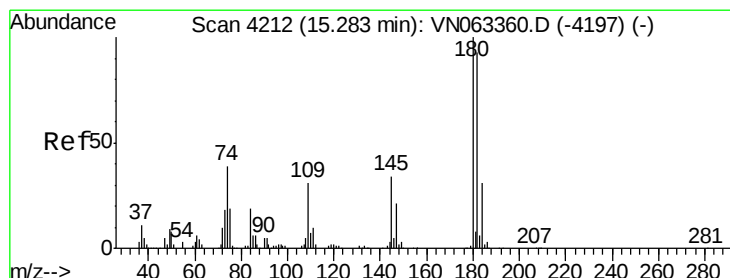
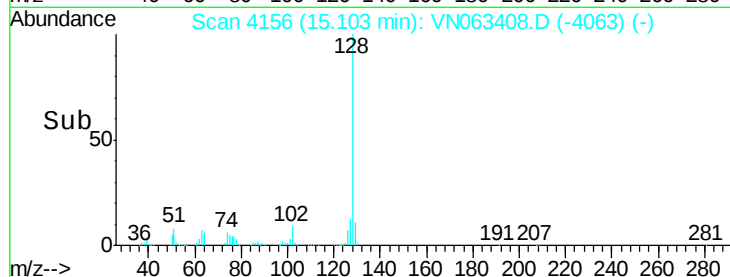
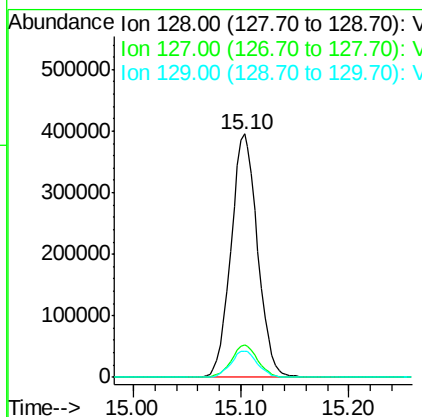
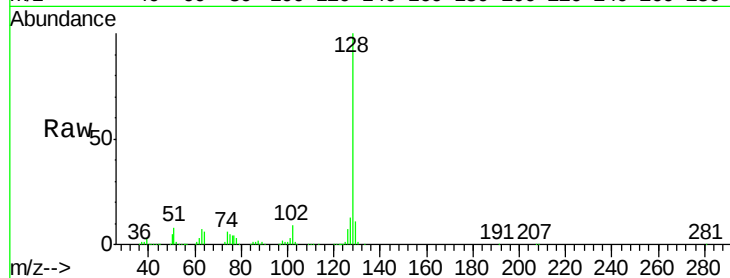
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	679406
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2020 2:55:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.658 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063408.D

Acq: 17 Sep 2020 10:27

Tgt Ion:	180	Resp:	200748
Ion Ratio	Lower	Upper	
180	100		
182	92.7	46.7	140.1
145	34.4	16.8	50.3

