

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063432.D
 Acq On : 17 Sep 2020 20:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 2:45:31 PM

Quant Time: Sep 18 04:15:44 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	7.63	168	264408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	470217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	434244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	209921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	221548	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.55	113	154437	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	10.06	98	581661	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
62) 4-Bromofluorobenzene	12.38	95	226559	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	135483	45.229	ug/l	100
3) Chloromethane	2.04	50	176233	44.473	ug/l	98
4) Vinyl Chloride	2.16	62	170219	48.483	ug/l	99
5) Bromomethane	2.53	94	103626	49.711	ug/l	99
6) Chloroethane	2.67	64	103448	48.000	ug/l	97
7) Trichlorofluoromethane	2.99	101	244934	46.759	ug/l	99
8) Diethyl Ether	3.37	74	96759	47.384	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	134101	45.522	ug/l	99
10) Methyl Iodide	3.91	142	186706	48.680	ug/l	99
11) Tert butyl alcohol	4.72	59	136491	218.898	ug/l	99
12) 1,1-Dichloroethene	3.70	96	137698	46.148	ug/l	97
13) Acrolein	3.57	56	52961	229.195	ug/l	98
14) Allyl chloride	4.28	41	271321	45.970	ug/l	99
15) Acrylonitrile	4.93	53	381262	240.381	ug/l	99
16) Acetone	3.77	43	345467	238.826	ug/l	98
17) Carbon Disulfide	4.01	76	386133	44.490	ug/l	100
18) Methyl Acetate	4.28	43	178070	48.492	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	518820	46.653	ug/l	100
20) Methylene Chloride	4.51	84	166815	45.516	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	151136	45.718	ug/l	99
22) Diisopropyl ether	5.90	45	569394	47.303	ug/l	99
23) Vinyl Acetate	5.84	43	2387360	241.496	ug/l	100
24) 1,1-Dichloroethane	5.80	63	307501	46.792	ug/l	99
25) 2-Butanone	6.78	43	526577	236.694	ug/l	98
26) 2,2-Dichloropropane	6.78	77	228444	39.482	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	176872	47.269	ug/l	100
28) Bromochloromethane	7.15	49	146289	48.211	ug/l	98
29) Tetrahydrofuran	7.17	42	358288	235.804	ug/l	99
30) Chloroform	7.33	83	311263	47.209	ug/l	99
31) Cyclohexane	7.61	56	253169	40.727	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	273933	46.712	ug/l	100
36) 1,1-Dichloropropene	7.75	75	227538	45.421	ug/l	99
37) Ethyl Acetate	6.88	43	234908	47.778	ug/l	99
38) Carbon Tetrachloride	7.74	117	229425	44.865	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	233646	42.974	ug/l	99
40) Benzene	8.00	78	663473	46.396	ug/l	97
41) Methacrylonitrile	7.13	41	112910m	51.060	ug/l	
42) 1,2-Dichloroethane	8.08	62	275986	47.991	ug/l	100
43) Isopropyl Acetate	8.13	43	398600	45.340	ug/l	100
44) Trichloroethene	8.80	130	158103	45.583	ug/l	99
45) 1,2-Dichloropropane	9.08	63	183150	47.025	ug/l	98
46) Dibromomethane	9.18	93	122726	47.942	ug/l	99
47) Bromodichloromethane	9.37	83	252612	47.501	ug/l	99
48) Methyl methacrylate	9.17	41	197511	45.728	ug/l	98
49) 1,4-Dioxane	9.17	88	54870	885.226	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1184557	240.679	ug/l	100
52) Toluene	10.13	92	412575	47.986	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	278946	46.984	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	288789	46.115	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	166458	48.742	ug/l	99
56) Ethyl methacrylate	10.40	69	258854	48.553	ug/l	98
57) 1,3-Dichloropropane	10.68	76	290566	47.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	673077	240.666	ug/l	99
59) 2-Hexanone	10.72	43	864883	242.559	ug/l	100
60) Dibromochloromethane	10.87	129	187464	48.589	ug/l	97
61) 1,2-Dibromoethane	10.98	107	173529	48.909	ug/l	100
64) Tetrachloroethene	10.60	164	140478	47.509	ug/l	99
65) Chlorobenzene	11.41	112	427026	46.326	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	161382	47.762	ug/l	99
67) Ethyl Benzene	11.49	91	815959	47.005	ug/l	99
68) m/p-Xylenes	11.59	106	583020	93.153	ug/l	99
69) o-Xylene	11.92	106	285256	47.845	ug/l	99
70) Styrene	11.94	104	493992	49.407	ug/l	99
71) Bromoform	12.10	173	122143	48.524	ug/l #	100
73) Isopropylbenzene	12.23	105	757630	45.038	ug/l	99
74) N-amyl acetate	12.05	43	367304	46.126	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	239877	46.054	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	240141m	46.218	ug/l	
77) Bromobenzene	12.50	156	179213	47.361	ug/l	98
78) n-propylbenzene	12.57	91	897208	45.793	ug/l	99
79) 2-Chlorotoluene	12.65	91	545714	46.464	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	658667	46.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	83116	43.857	ug/l	97
82) 4-Chlorotoluene	12.75	91	572748	46.154	ug/l	100
83) tert-Butylbenzene	12.97	119	524792	45.329	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	669646	47.262	ug/l	99
85) sec-Butylbenzene	13.15	105	713293	46.028	ug/l	100
86) p-Isopropyltoluene	13.26	119	635619	46.502	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	328944	46.902	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	327644	45.949	ug/l	99
89) n-Butylbenzene	13.59	91	582297	46.218	ug/l	99
90) Hexachloroethane	13.85	117	114772	44.097	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	325219	47.231	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55131	44.450	ug/l	98

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QLast Update : Wed Sep 16 13:05:20 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	186973	46.060	ug/l	100
94) Hexachlorobutadiene	14.98	225	79890	47.539	ug/l	97
95) Naphthalene	15.10	128	615782	45.915	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	177581	45.276	ug/l	99

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

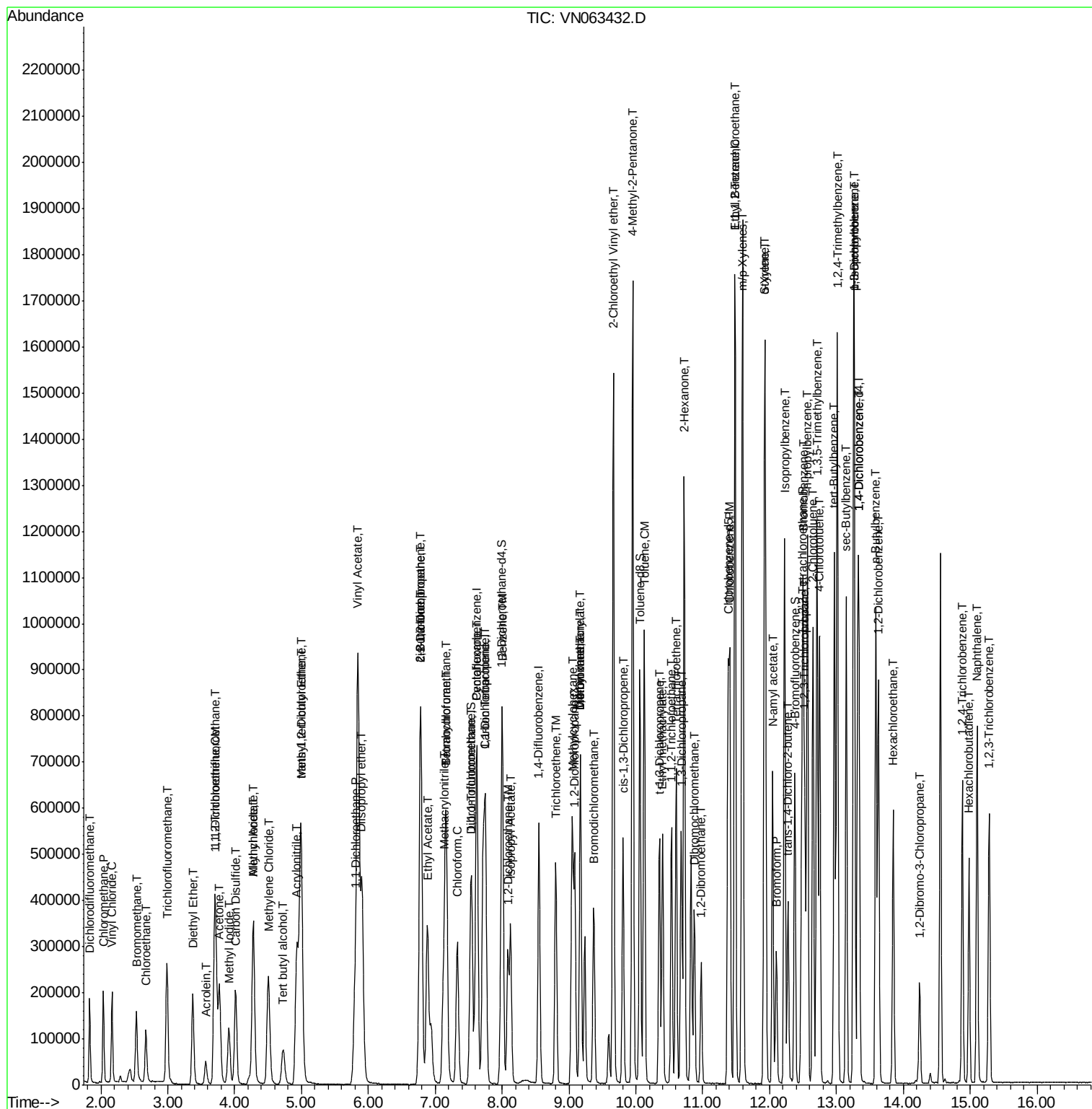
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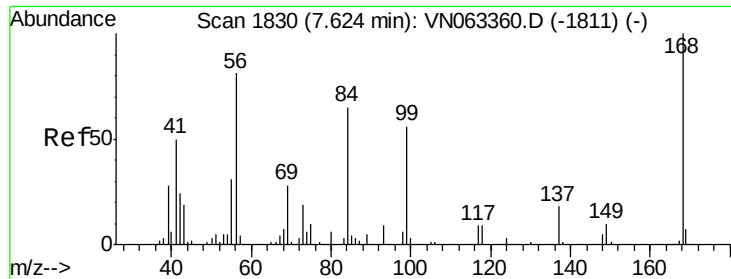
Instrument :
 MSVOA_N
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 264408

Ion Ratio Lower Upper

168 100

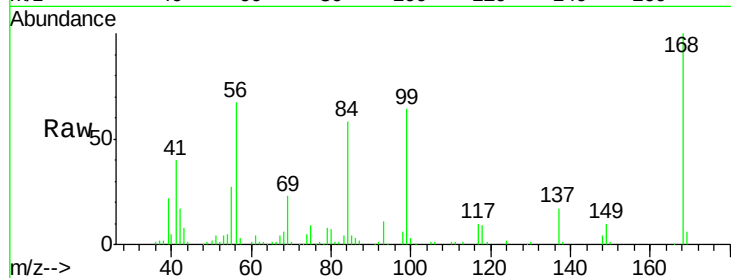
99 64.1 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

60000

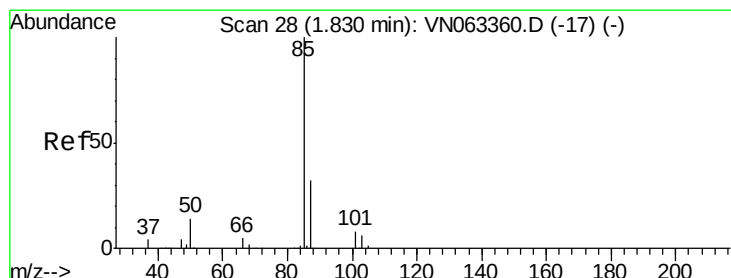
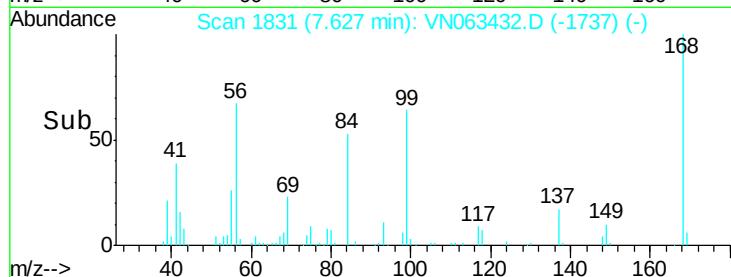
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.229 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063432.D

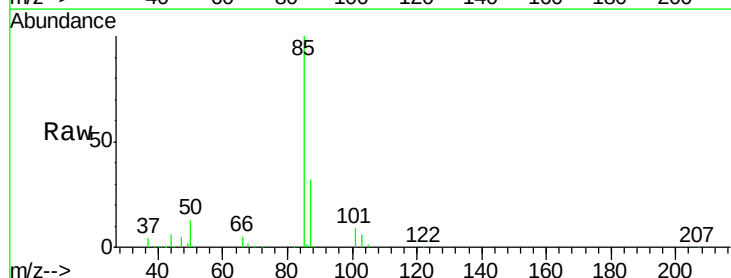
Acq: 17 Sep 2020 20:24

Tgt Ion: 85 Resp: 135483

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

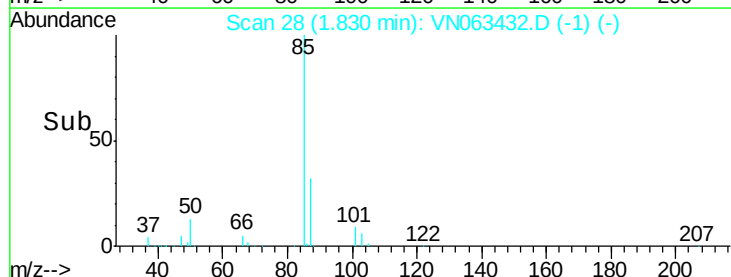
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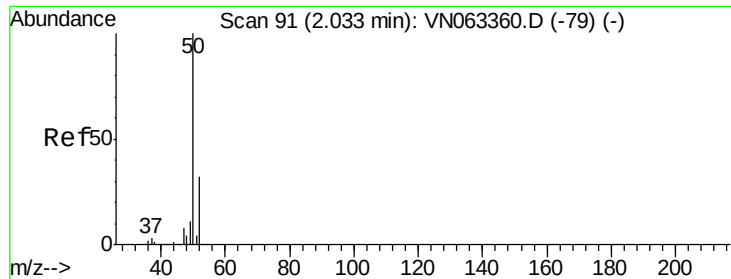
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 44.473 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 176233

Ion Ratio Lower Upper

50 100

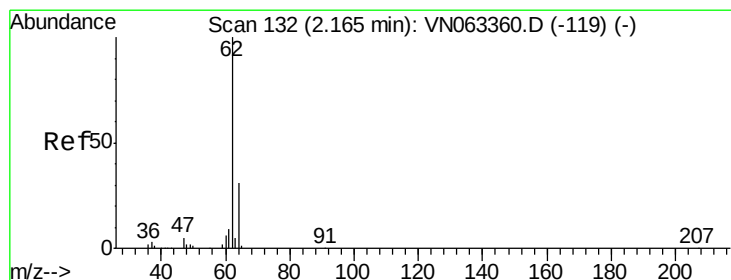
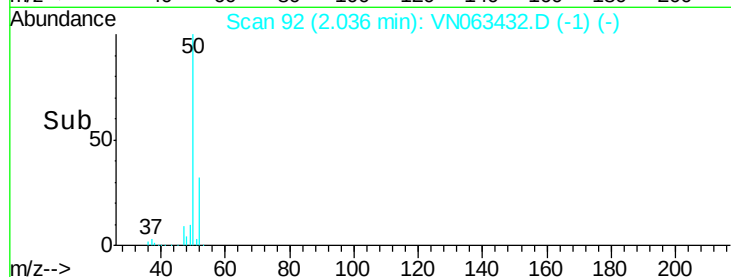
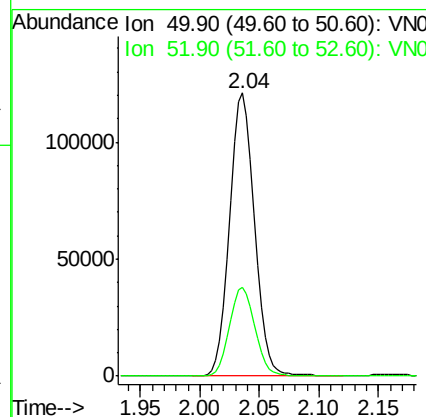
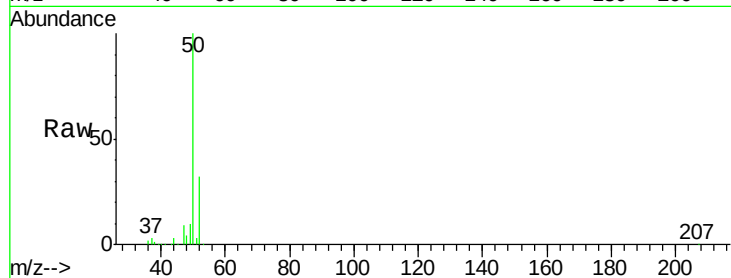
52 31.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.483 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063432.D

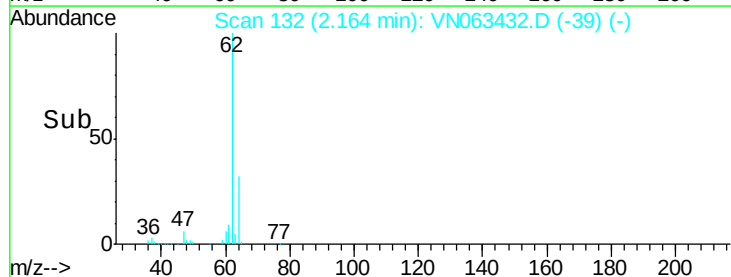
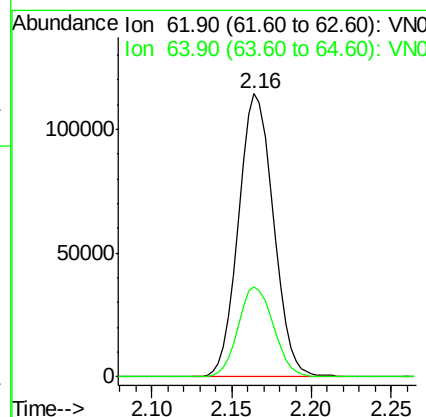
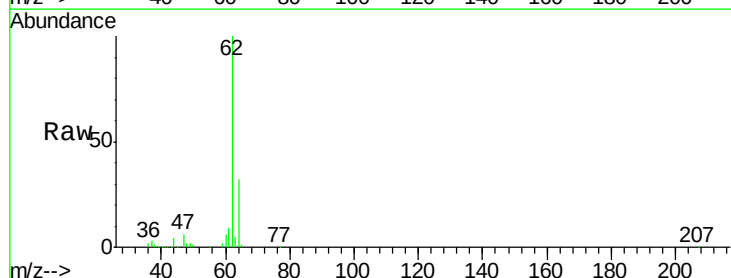
Acq: 17 Sep 2020 20:24

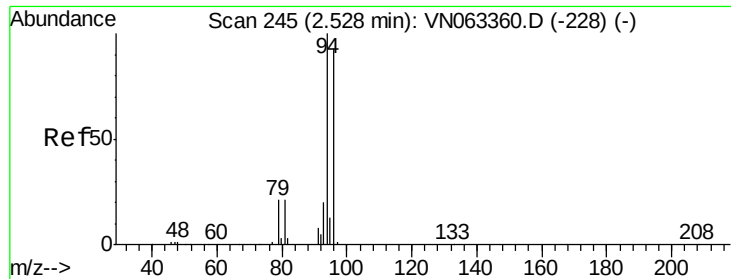
Tgt Ion: 62 Resp: 170219

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 49.711 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 103626

Ion Ratio Lower Upper

94 100

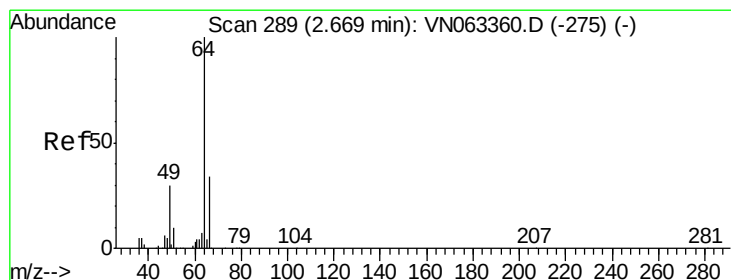
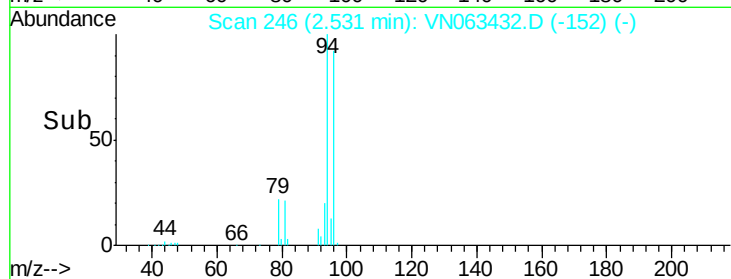
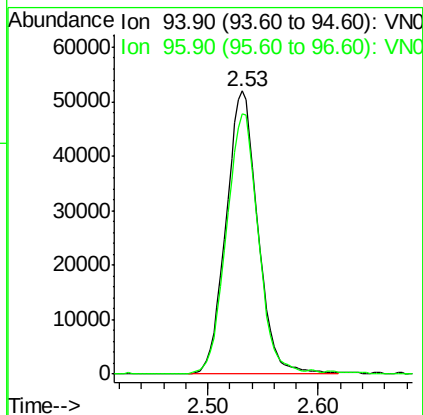
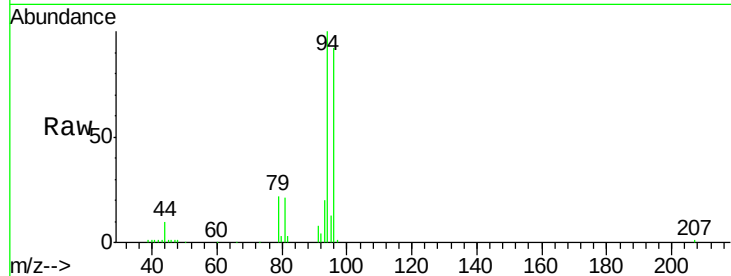
96 91.9 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 48.000 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063432.D

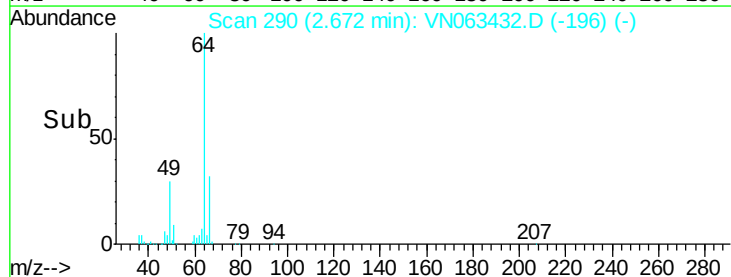
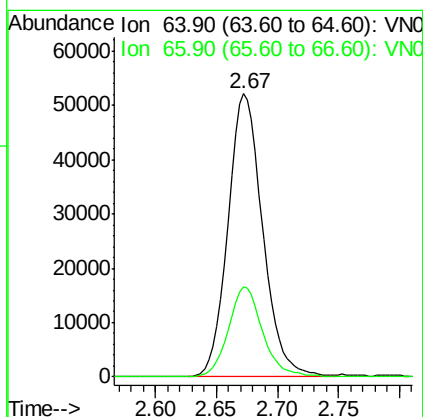
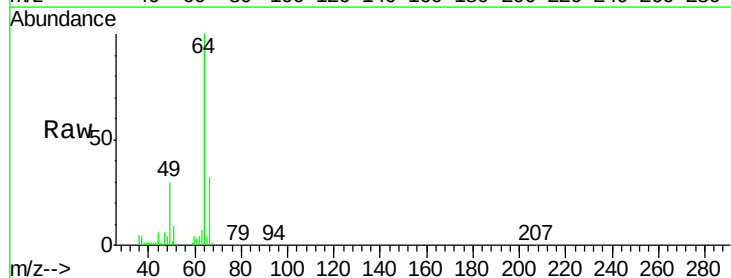
Acq: 17 Sep 2020 20:24

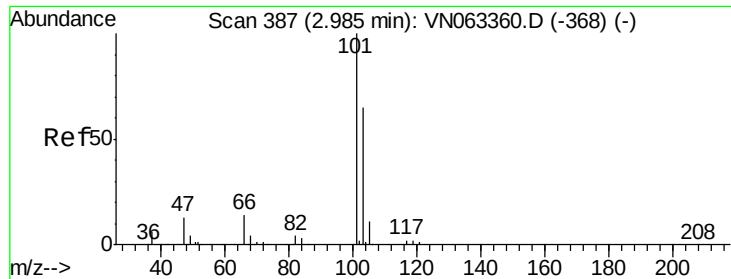
Tgt Ion: 64 Resp: 103448

Ion Ratio Lower Upper

64 100

66 31.7 26.9 40.3





#7

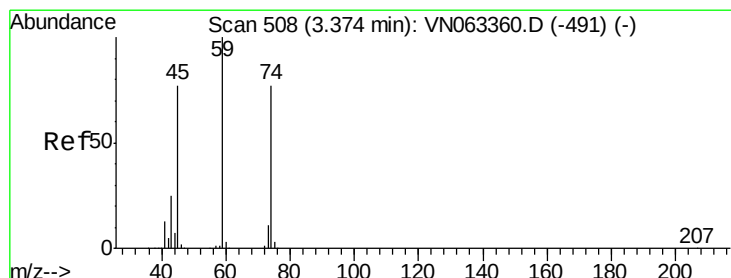
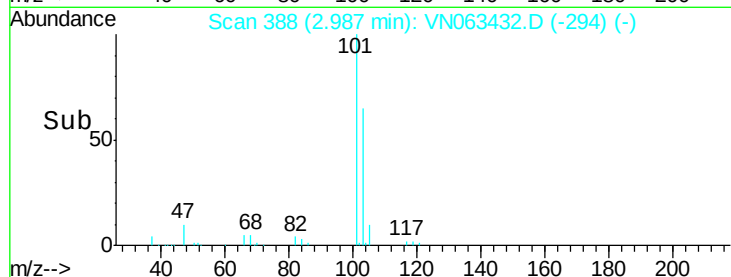
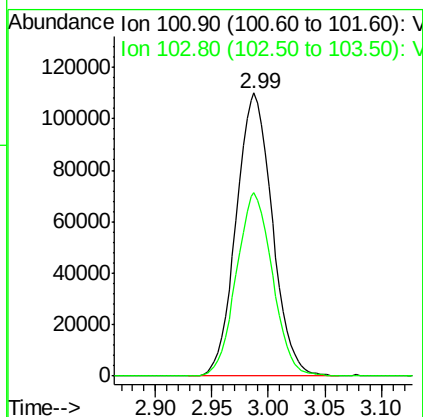
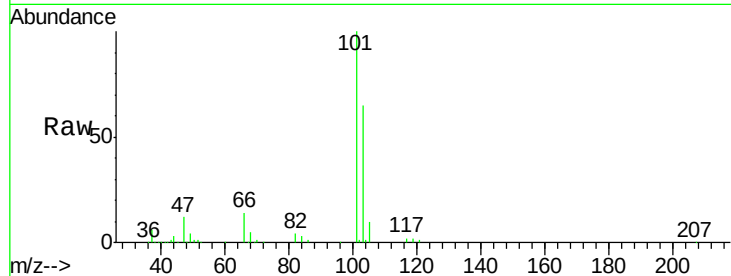
Trichlorofluoromethane
 Concen: 46.759 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.3	78.5

Manual Integrations
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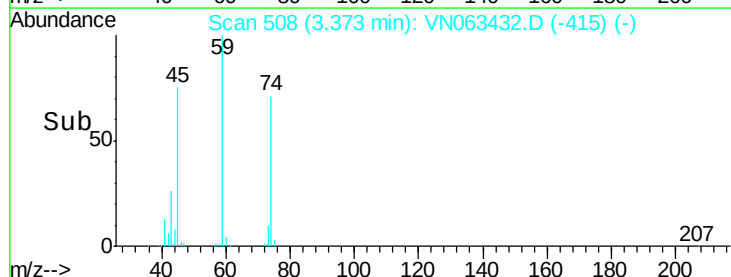
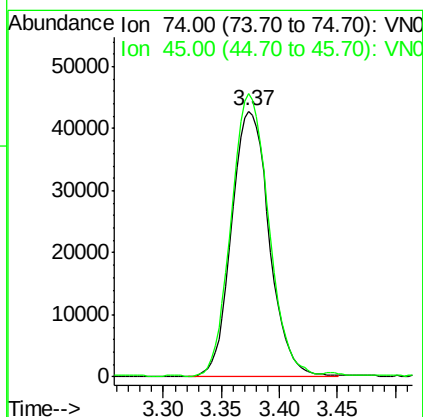
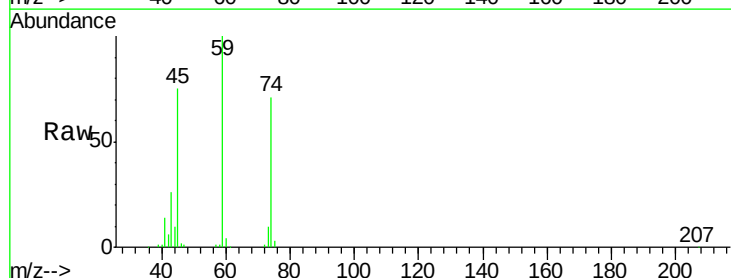
MMDadoda
 9/18/2020 2:45:31 PM

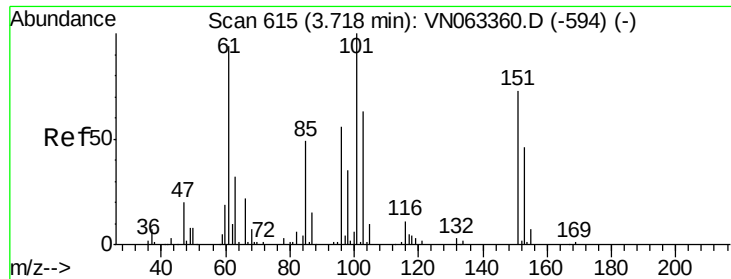


#8

Diethyl Ether
 Concen: 47.384 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.522 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

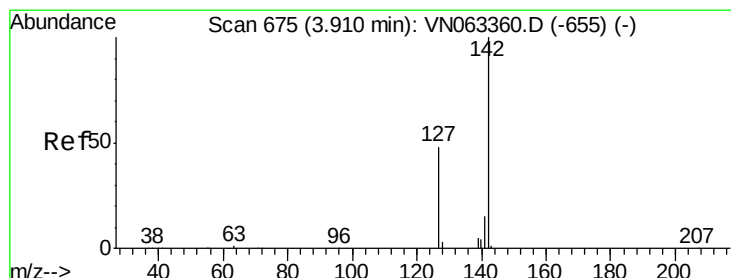
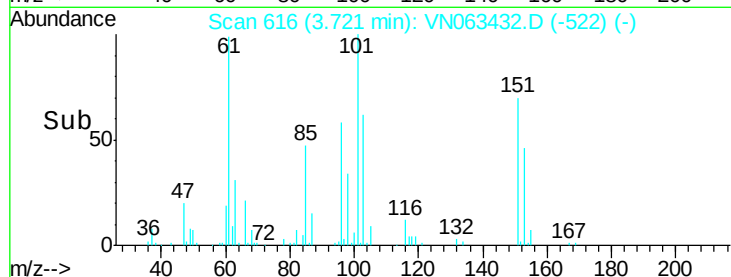
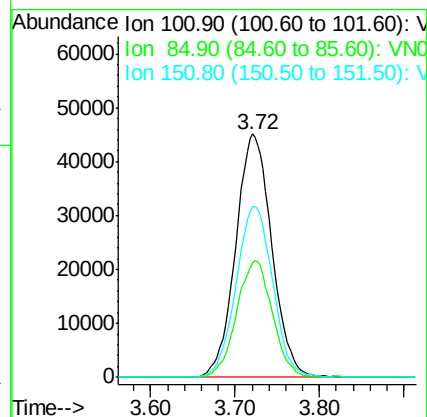
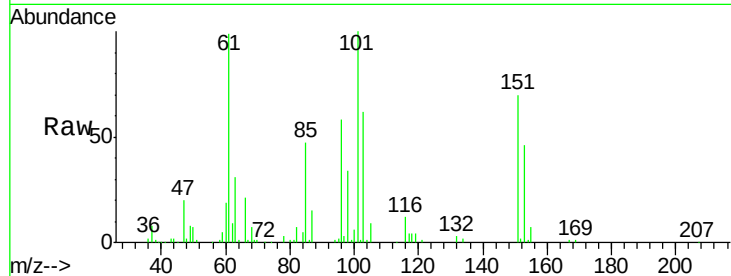
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	134101
Ion Ratio	Lower	Upper	
101	100		
85	47.3	37.7	56.5
151	71.3	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 48.680 ug/l

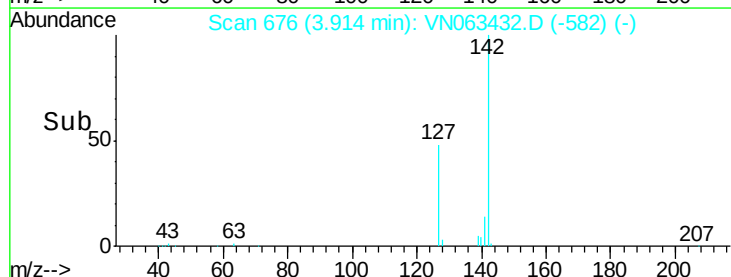
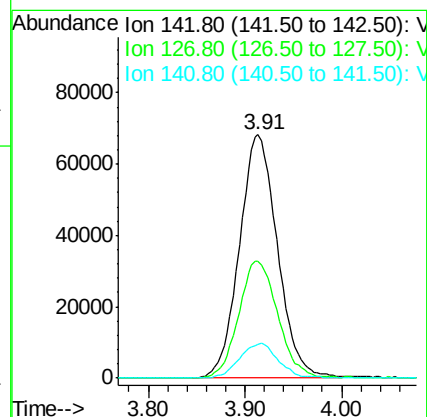
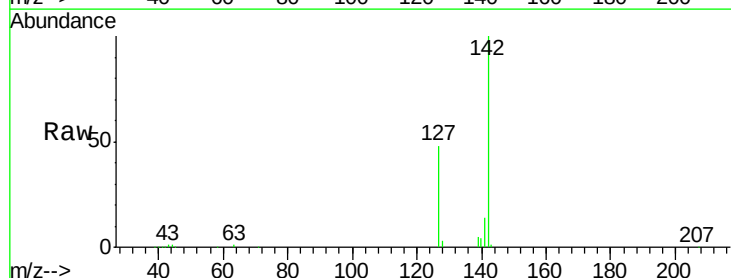
RT: 3.91 min Scan# 676

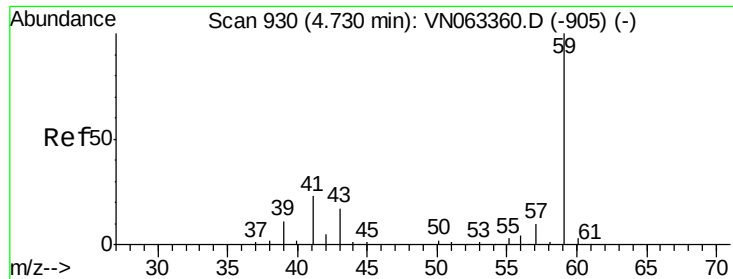
Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Tgt Ion:	142	Resp:	186706
Ion Ratio	Lower	Upper	
142	100		
127	49.4	39.0	58.6
141	14.5	11.6	17.4





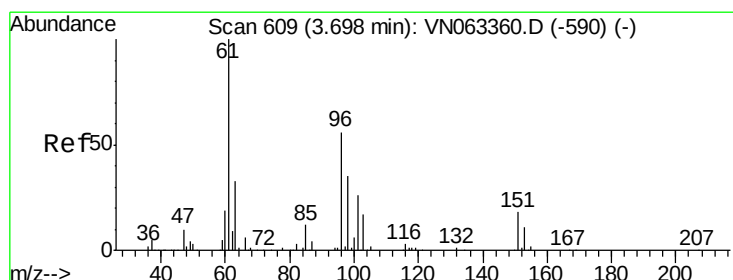
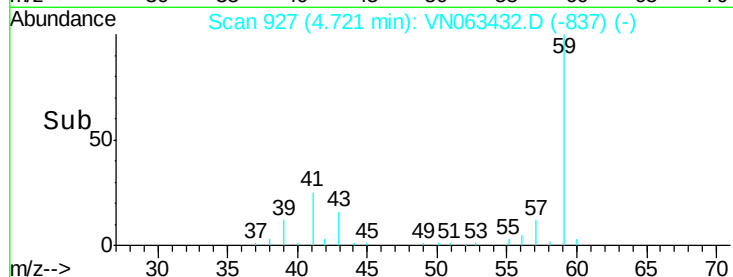
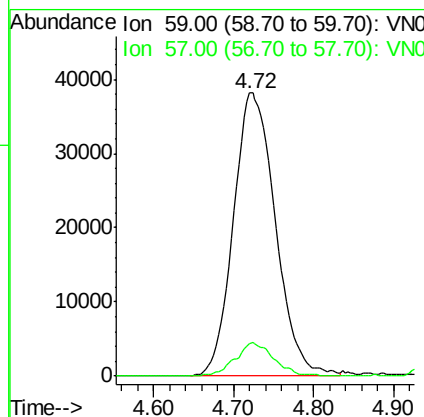
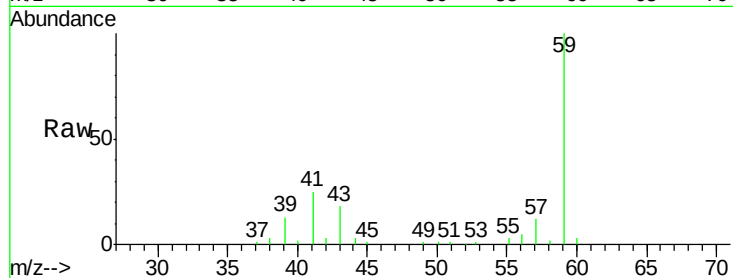
#11
Tert butyl alcohol
Concen: 218.898 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.8	Resp	136491	Lower	Upper
59	100								
57		10.8						8.4	12.6

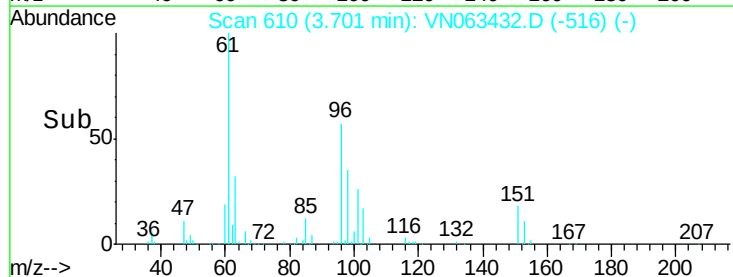
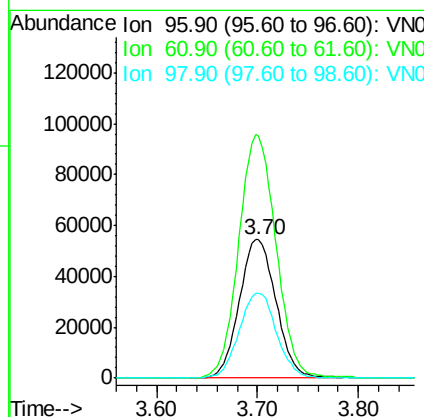
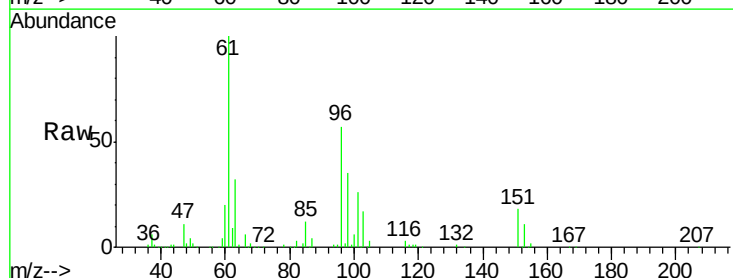
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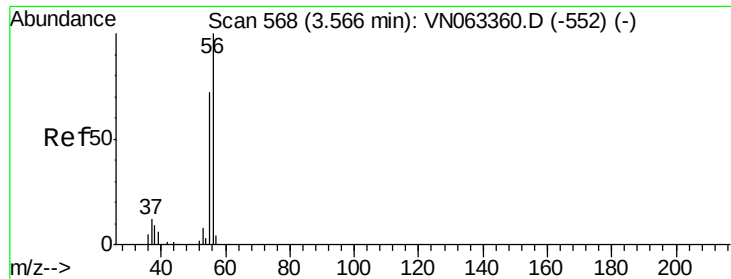
MMDadoda
9/18/2020 2:45:31 PM



#12
1,1-Dichloroethene
Concen: 46.148 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	96	61	98	Ratio	100	174.6	61.4	Resp	137698	Lower	Upper
96	100										
61		174.6								143.4	215.2
98		61.4								50.6	76.0





#13

Acrolein

Concen: 229.195 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 52961

Ion Ratio Lower Upper

56 100

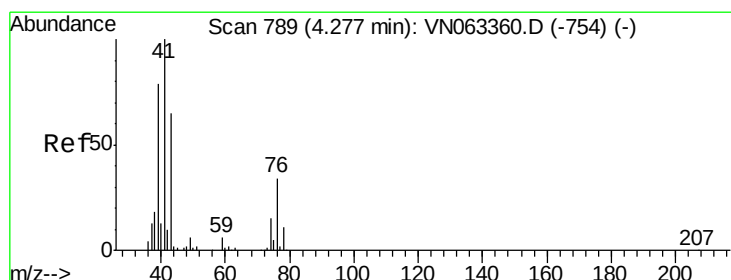
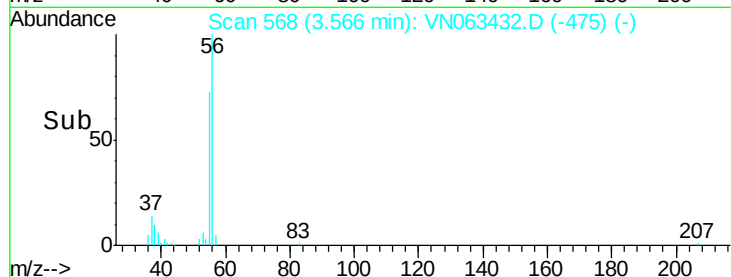
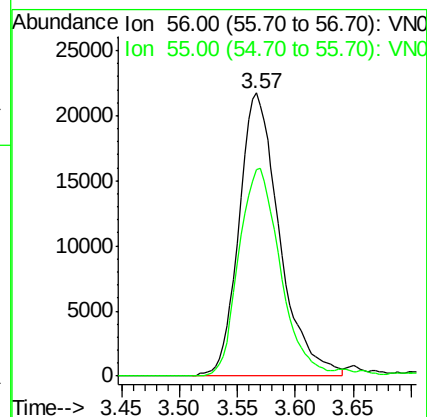
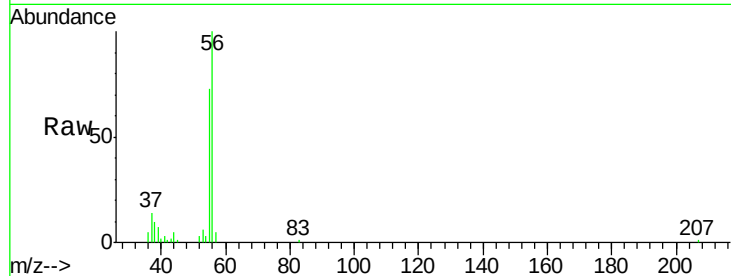
55 74.6 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 45.970 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

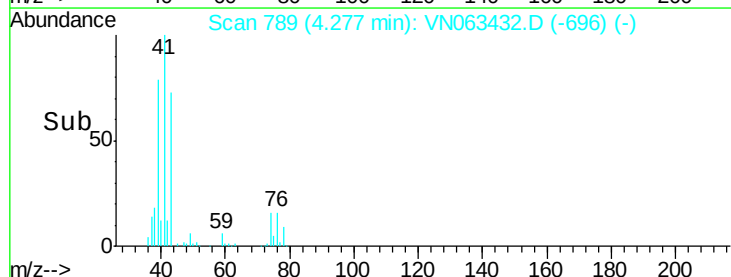
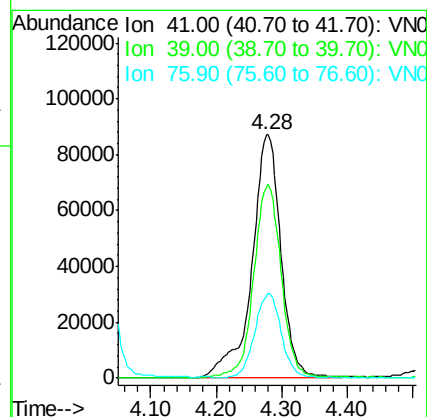
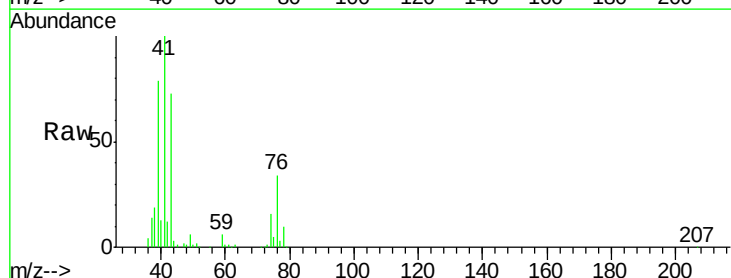
Tgt Ion: 41 Resp: 271321

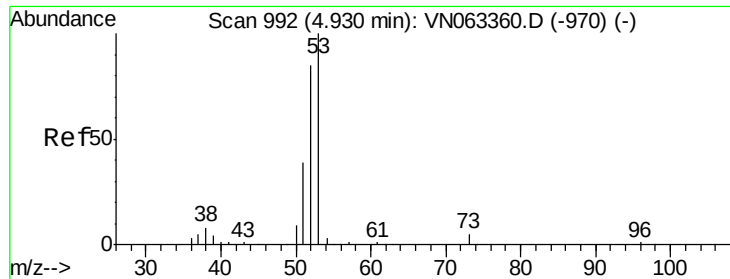
Ion Ratio Lower Upper

41 100

39 75.0 59.3 88.9

76 31.0 25.3 37.9





#15

Acrylonitrile

Concen: 240.381 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

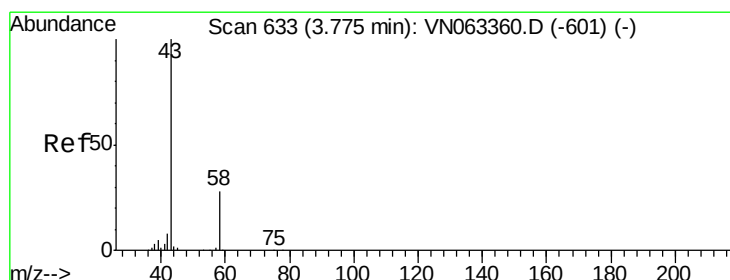
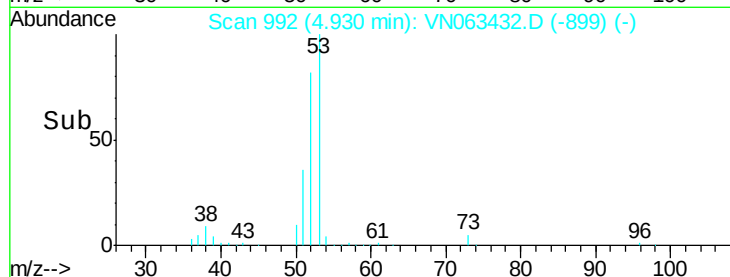
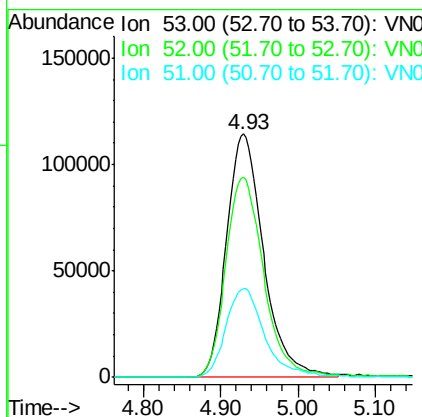
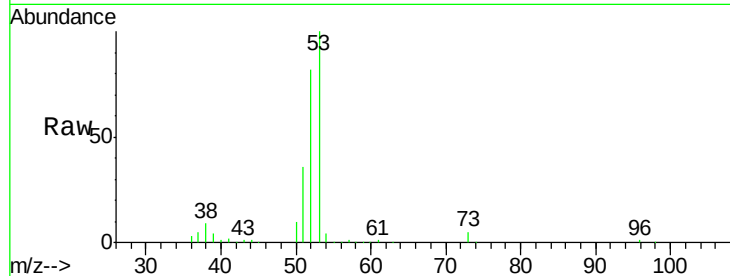
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	381262
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.4	99.6
51	37.9	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 238.826 ug/l

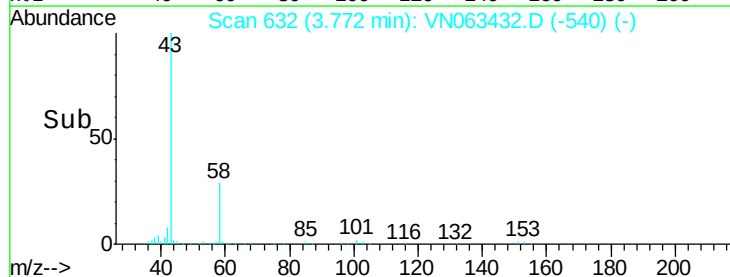
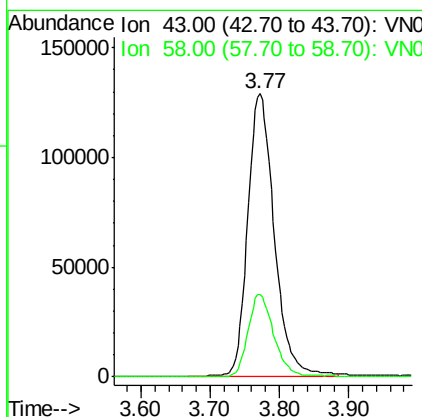
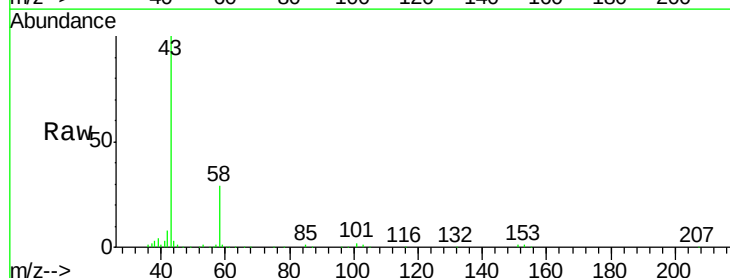
RT: 3.77 min Scan# 632

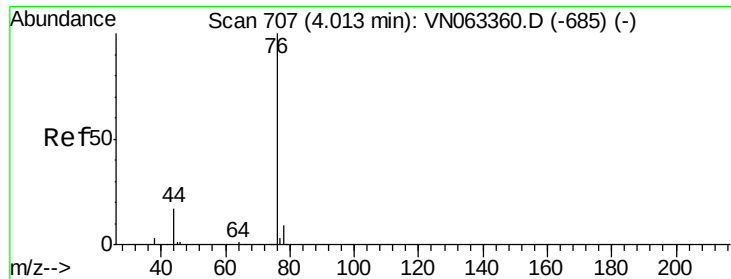
Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Tgt Ion:	43	Resp:	345467
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.3	33.5





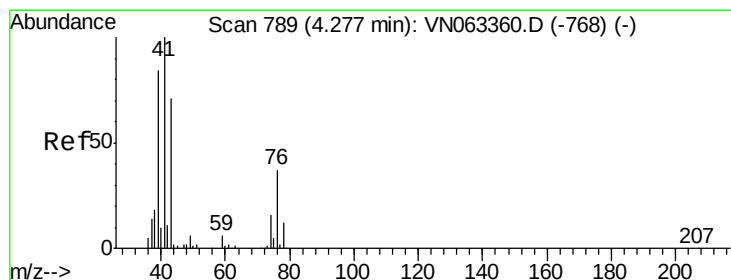
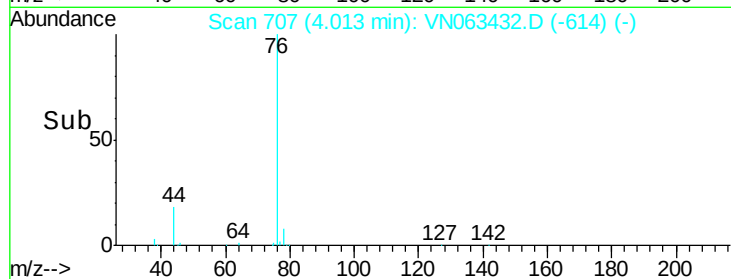
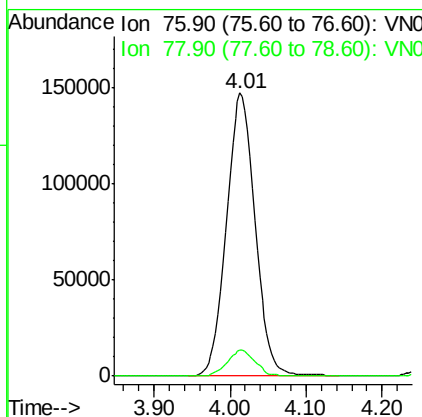
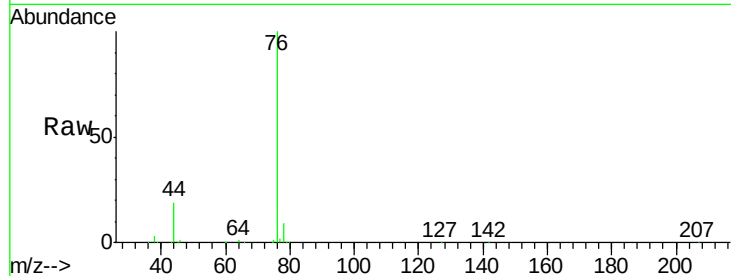
#17
Carbon Disulfide
Concen: 44.490 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

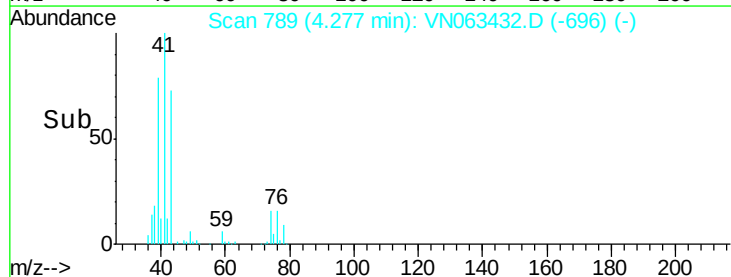
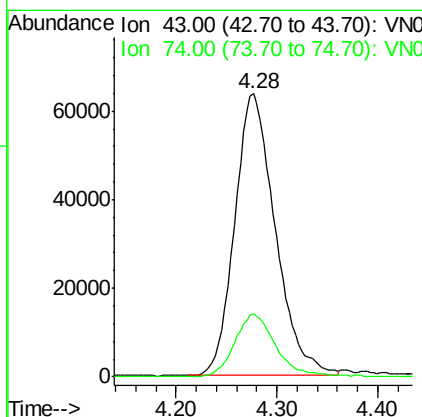
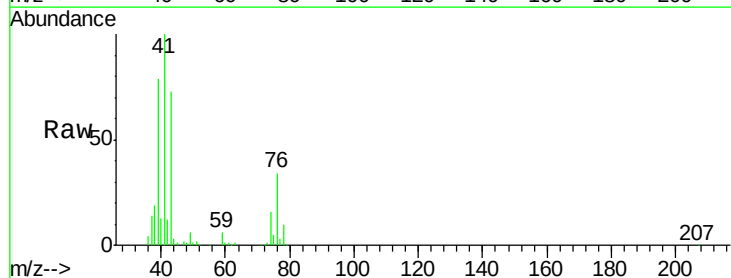
Manual Integrations
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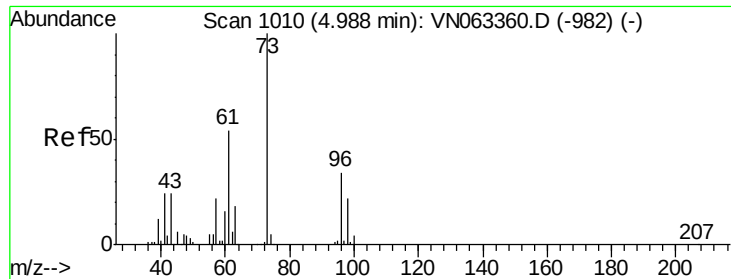
MMDadoda
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#18
Methyl Acetate
Concen: 48.492 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2





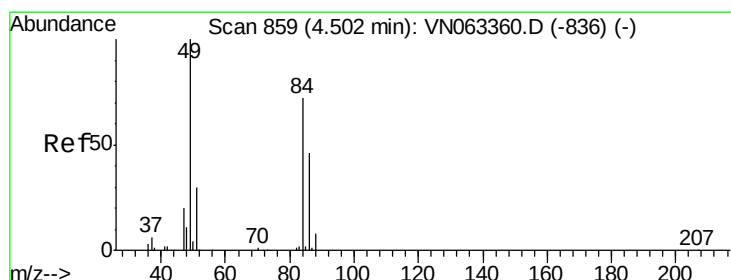
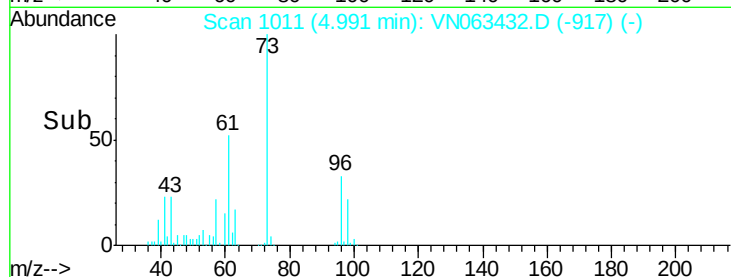
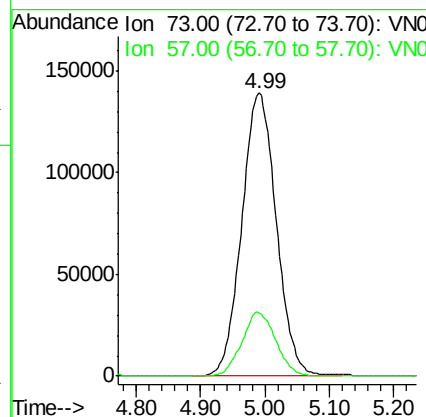
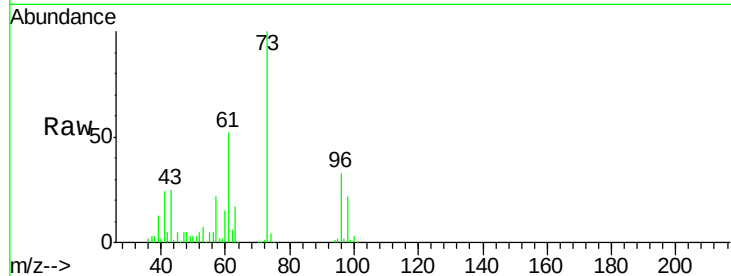
#19
Methvl tert-butvl Ether
Concen: 46.653 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 518820
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

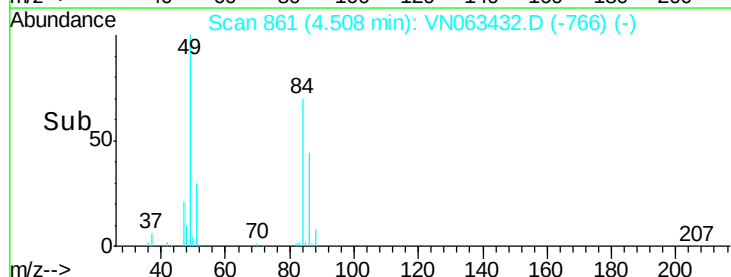
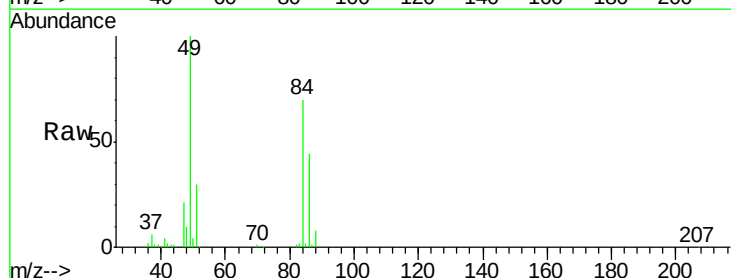
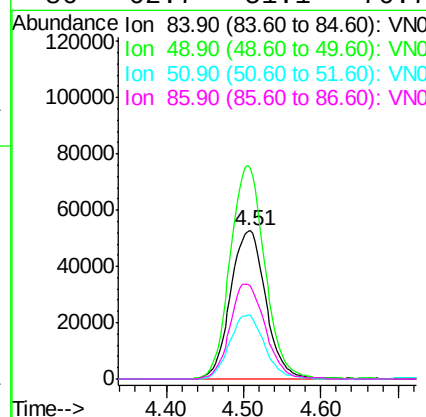
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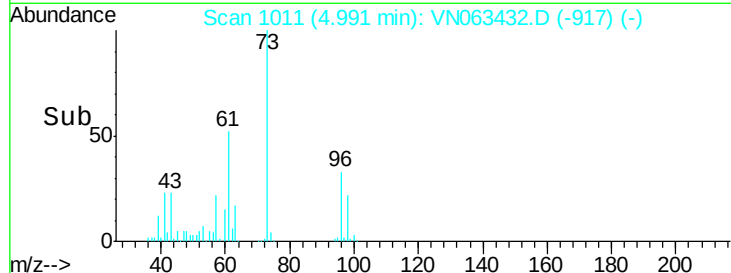
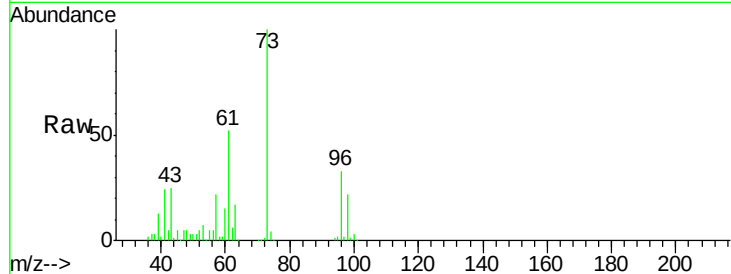
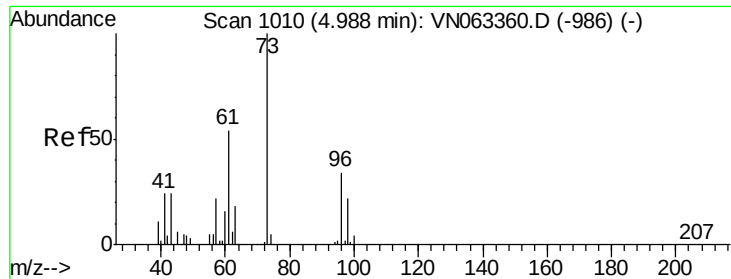
MMDadoda
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#20
Methylene Chloride
Concen: 45.516 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion: 84 Resp: 166815
Ion Ratio Lower Upper
84 100
49 142.1 110.7 166.1
51 42.9 32.9 49.3
86 62.7 51.1 76.7





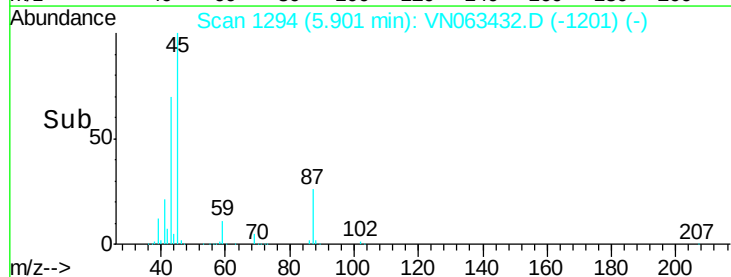
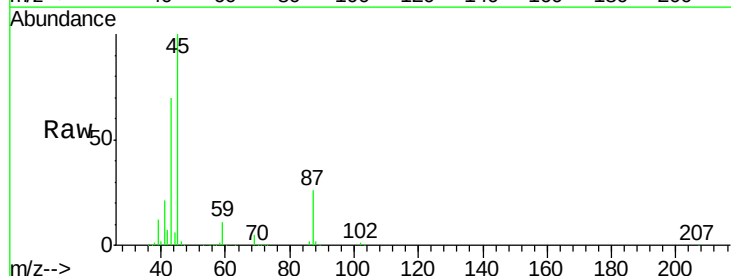
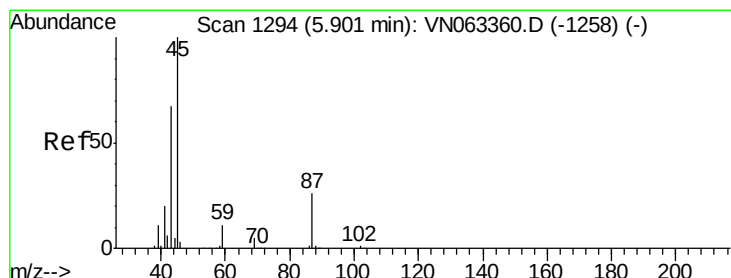
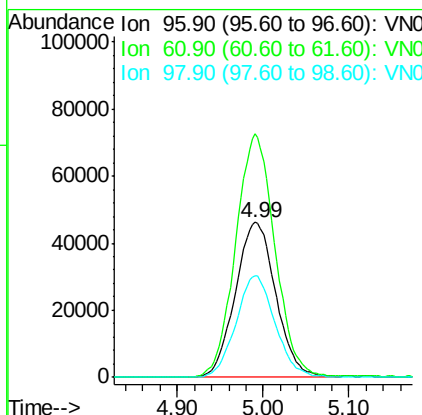
#21
trans-1,2-Dichloroethene
Concen: 45.718 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	126.2	189.4
98	65.7	51.0	76.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

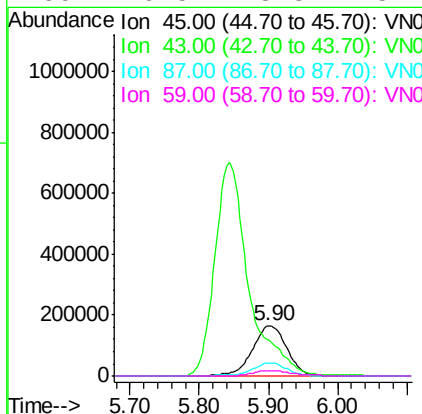
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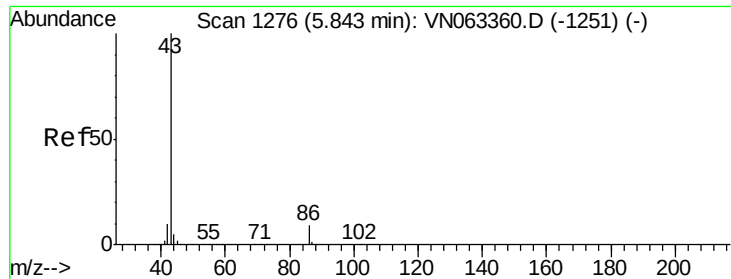
MMDadoda
9/18/2020 2:45:31 PM



#22
Diisopropyl ether
Concen: 47.303 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.1	53.5	80.3
87	26.2	21.2	31.8
59	10.5	8.8	13.2





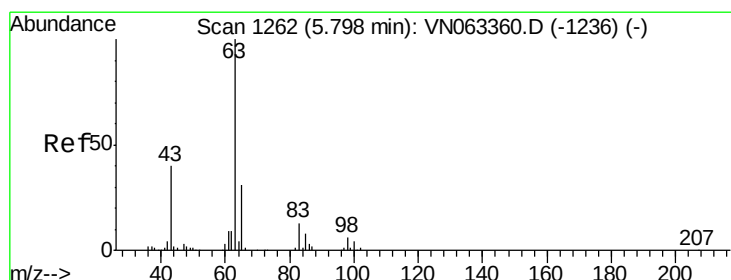
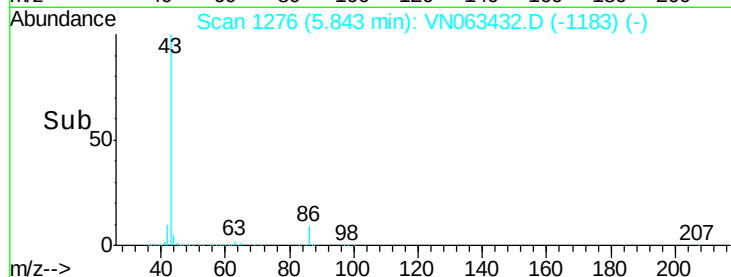
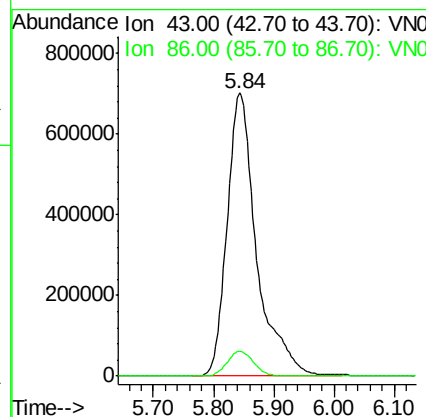
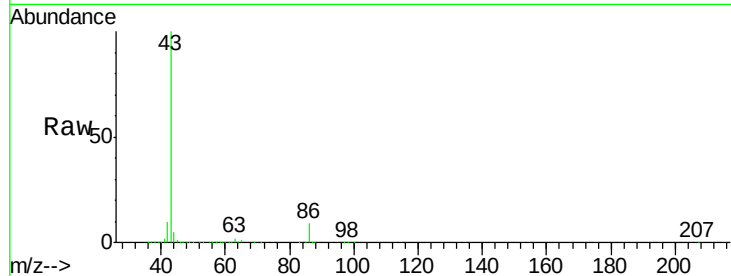
#23
 Vinyl Acetate
 Concen: 241.496 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2387360
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7

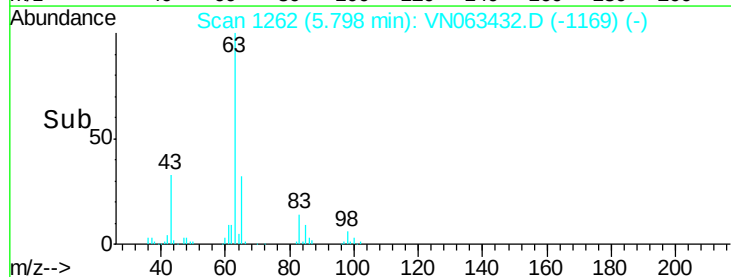
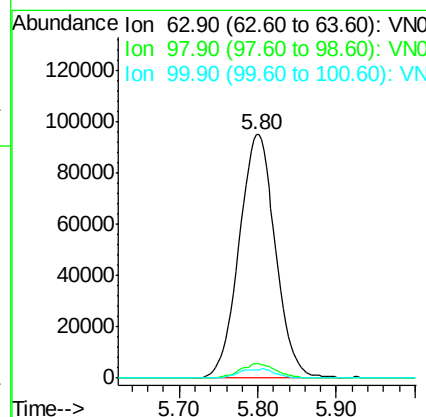
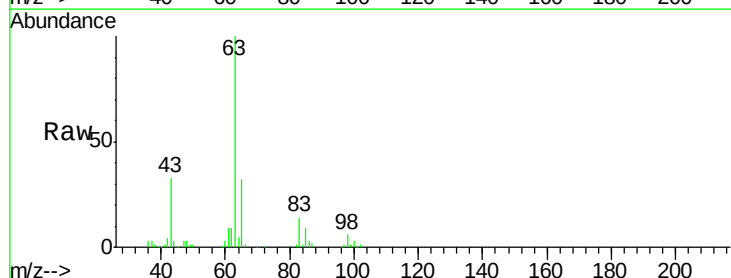
Manual Integrations
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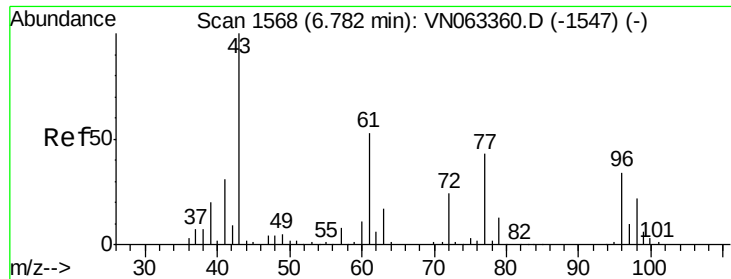
MMDadoda
 9/18/2020 2:45:31 PM



#24
 1,1-Dichloroethane
 Concen: 46.792 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion: 63 Resp: 307501
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 3.2 2.1 6.3





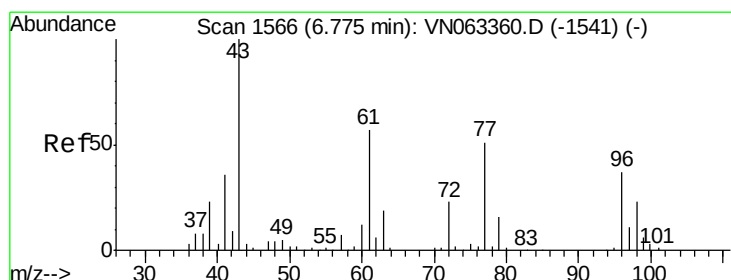
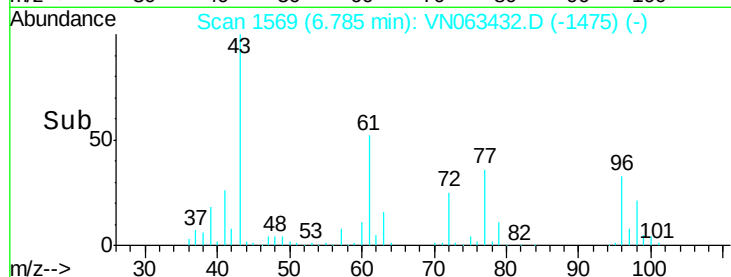
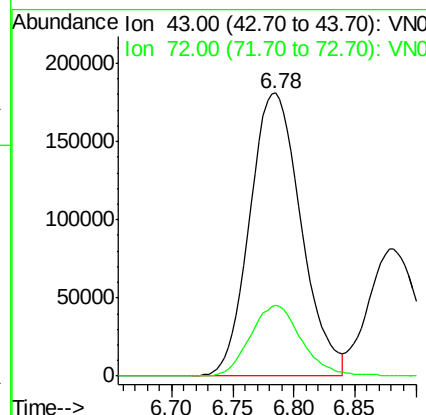
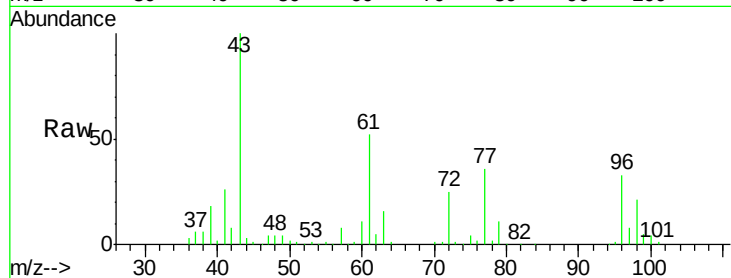
#25
2-Butanone
Concen: 236.694 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 526577
Ion Ratio Lower Upper
43 100
72 25.1 19.2 28.8

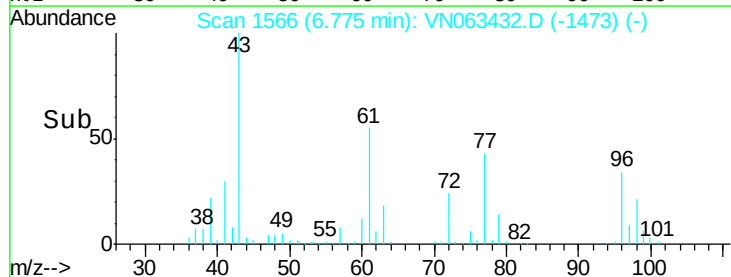
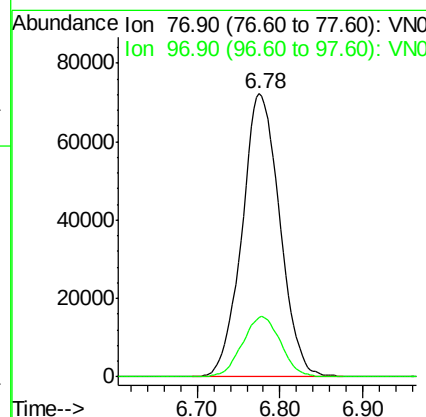
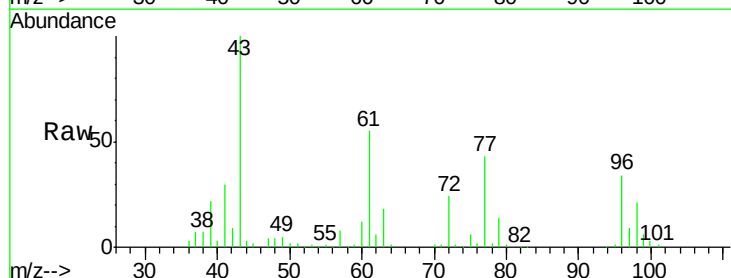
Manual Integrations
APPROVED

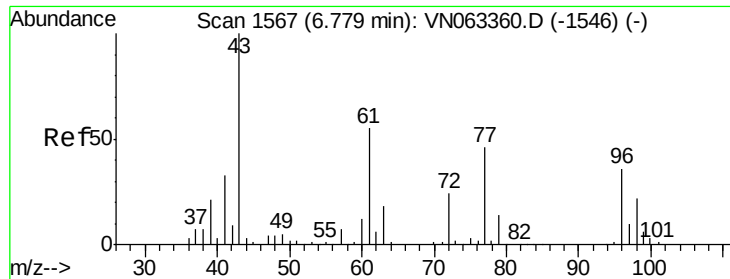
MMDadoda
9/18/2020 2:45:31 PM



#26
2,2-Dichloropropane
Concen: 39.482 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion: 77 Resp: 228444
Ion Ratio Lower Upper
77 100
97 21.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.269 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 176872

Ion Ratio Lower Upper

96 100

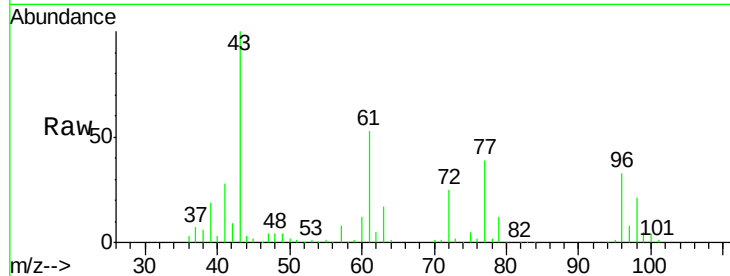
61 159.7 0.0 319.6

98 63.8 0.0 127.8

Manual Integrations
APPROVED

MMDadoda

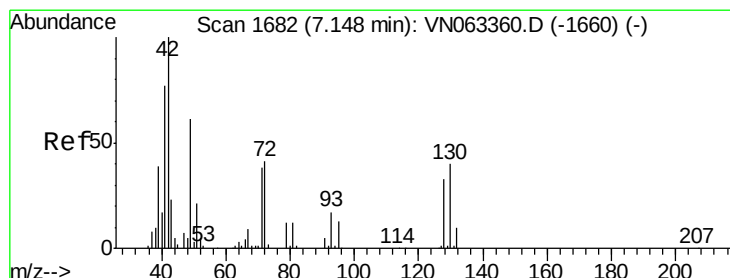
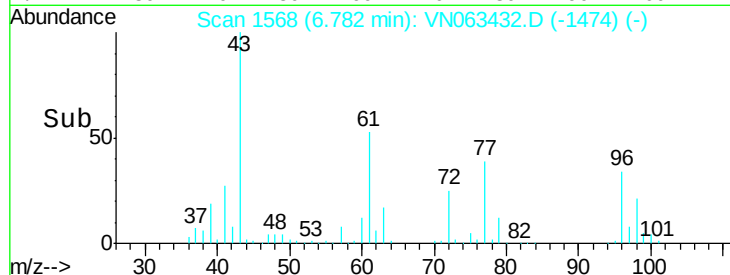
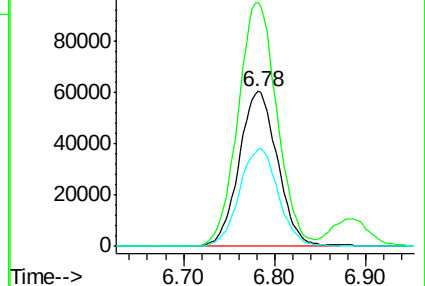
9/18/2020 2:45:31 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.211 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

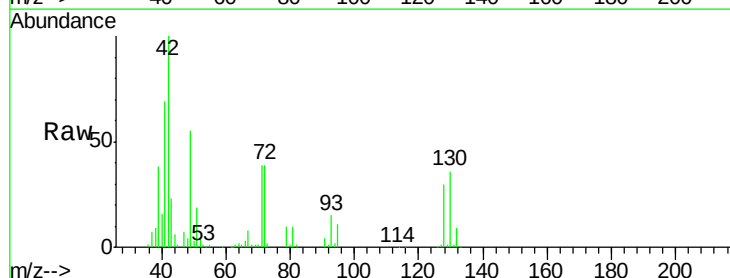
Tgt Ion: 49 Resp: 146289

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

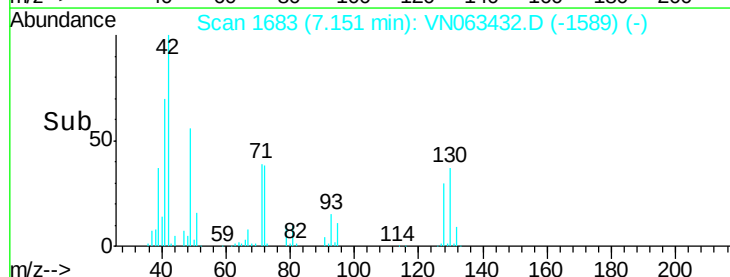
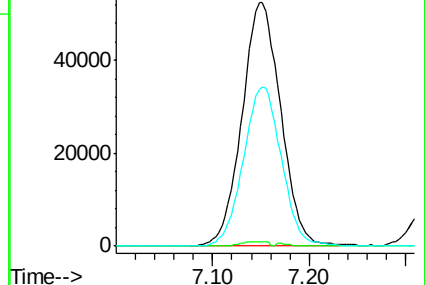
130 64.0 52.2 78.2

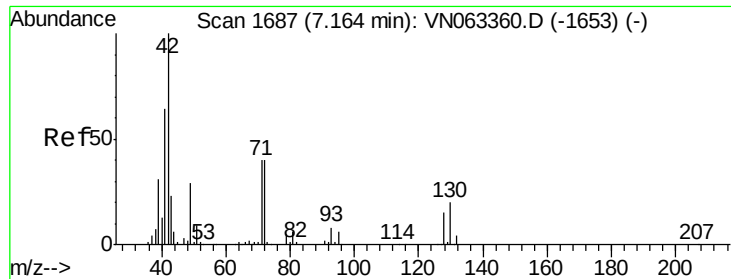


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





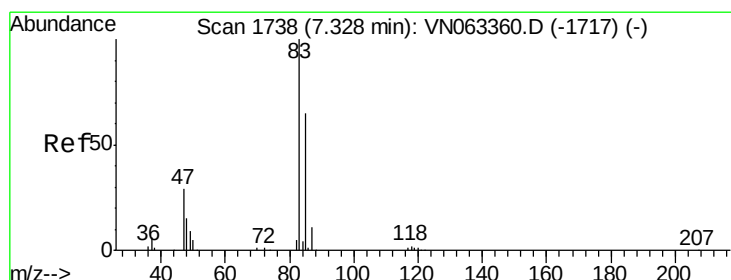
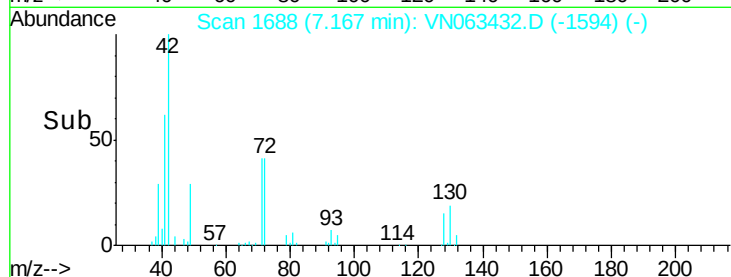
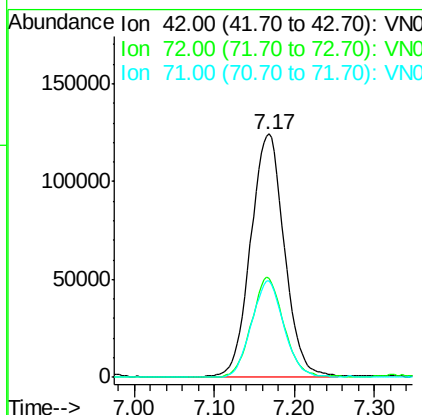
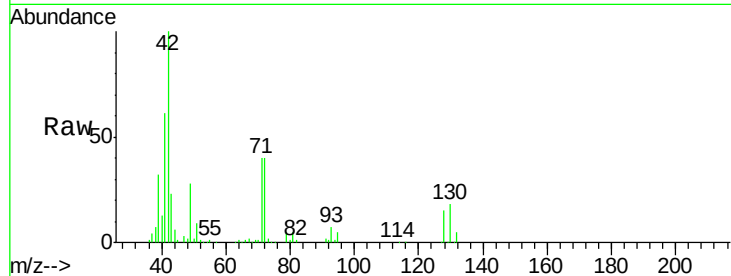
#29
Tetrahydrofuran
Concen: 235.804 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.1	48.1
71	38.4	31.2	46.8

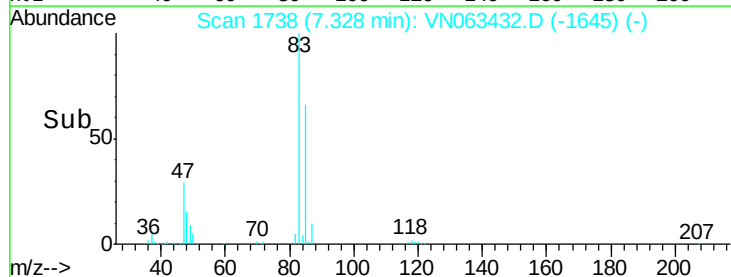
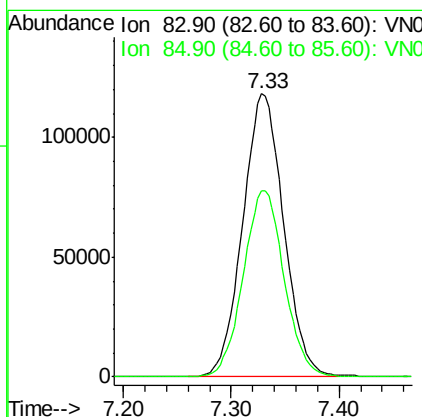
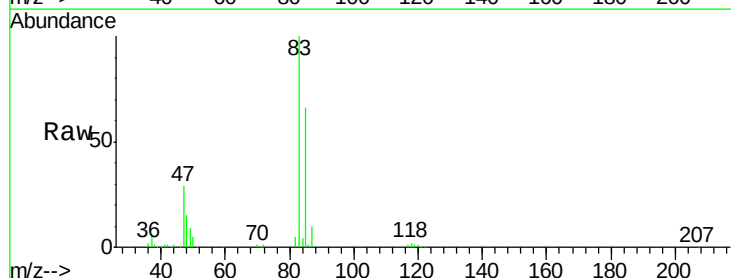
Manual Integrations
APPROVED

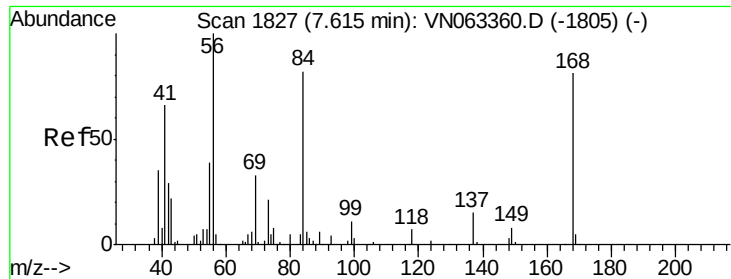
MMDadoda
9/18/2020 2:45:31 PM



#30
Chloroform
Concen: 47.209 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.1	78.1





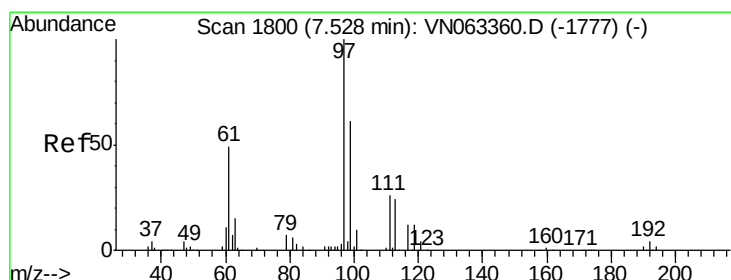
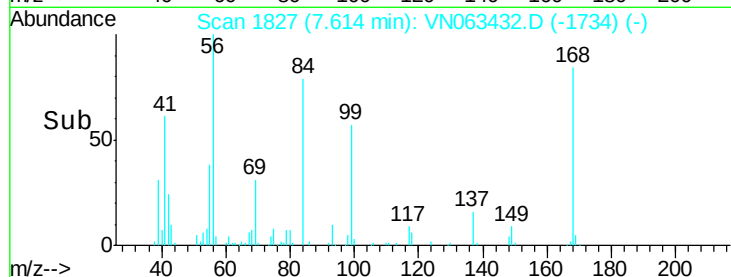
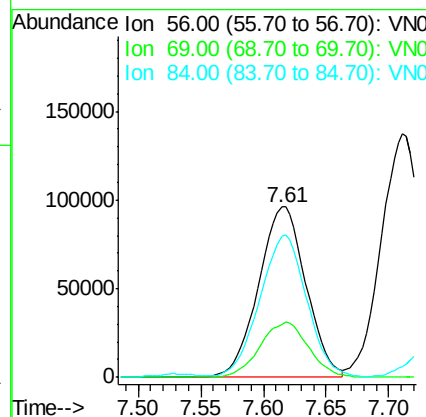
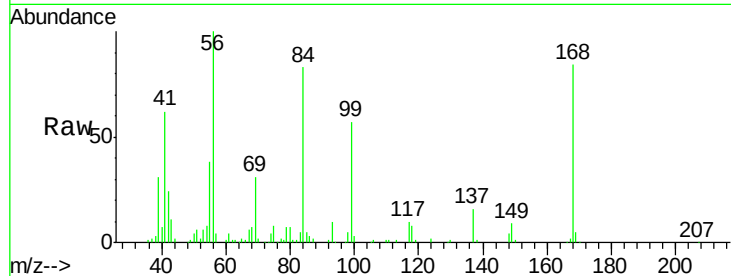
#31
Cyclohexane
Concen: 40.727 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	253169		
69	31.4		26.1	39.1
84	81.3		65.4	98.2

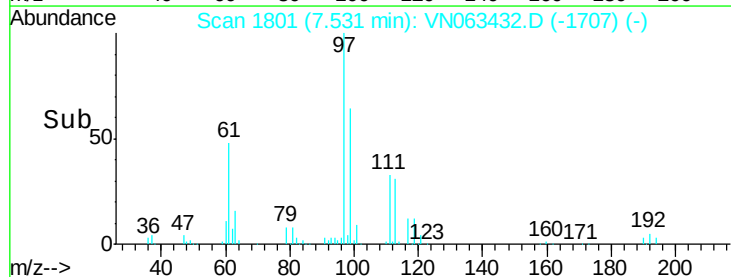
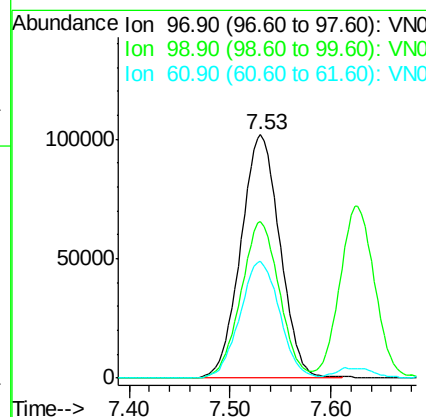
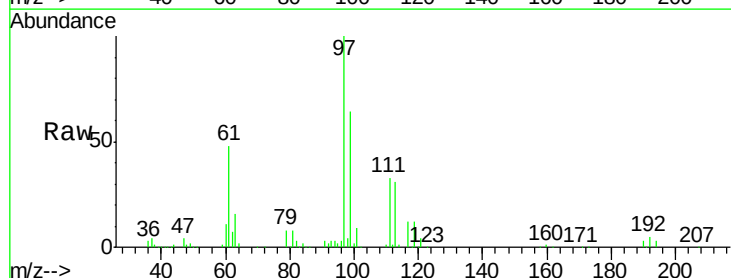
Manual Integrations
APPROVED

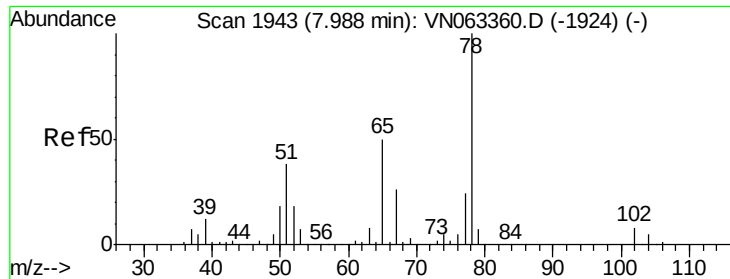
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.712 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	273933		
99	63.2		50.6	76.0
61	48.6		39.2	58.8





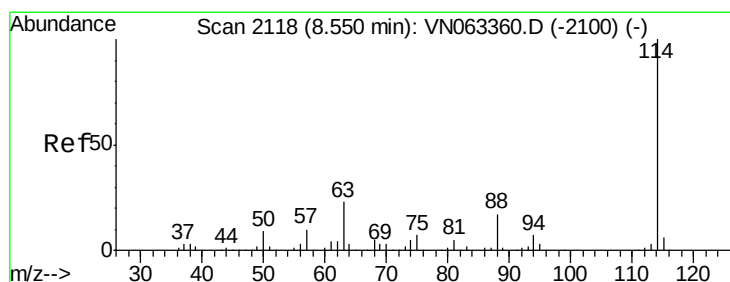
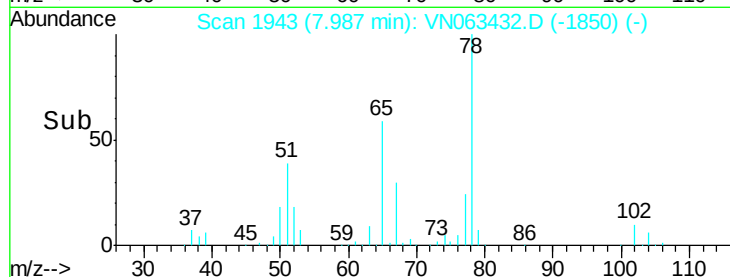
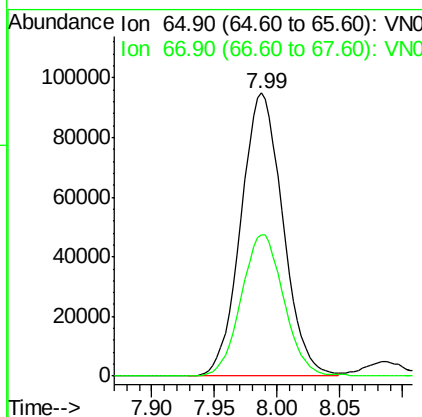
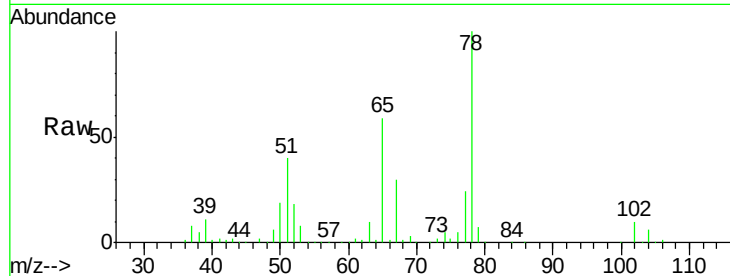
#33
 1,2-Dichloroethane-d4
 Concen: 49.223 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	221548		
67	50.9	0.0	104.2	

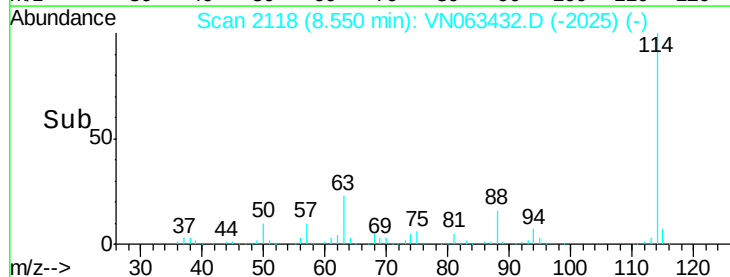
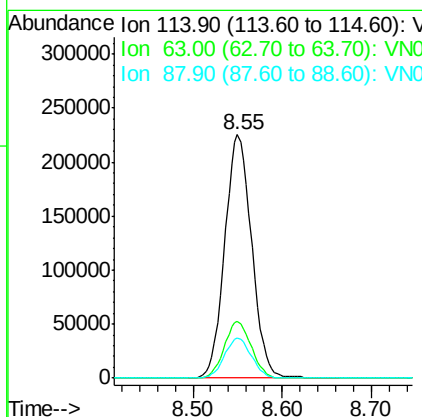
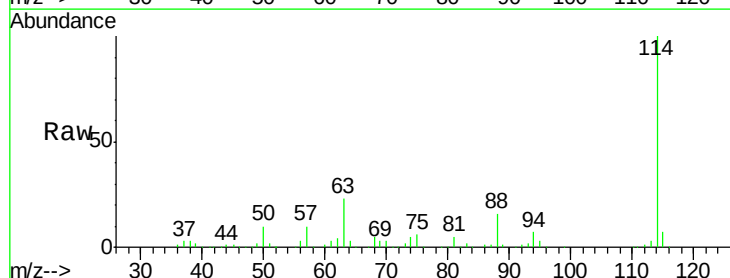
Manual Integrations
 APPROVED

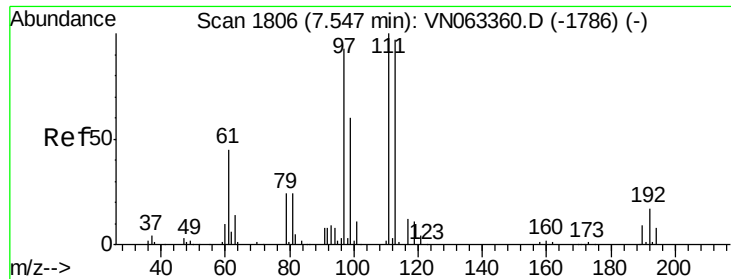
MMDadoda
 9/18/2020 2:45:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	470217		
63	23.2	0.0	46.4	
88	16.4	0.0	33.2	





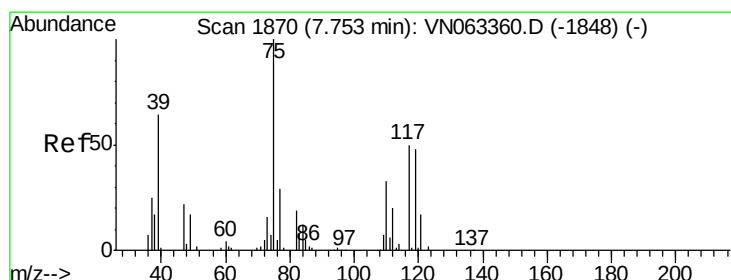
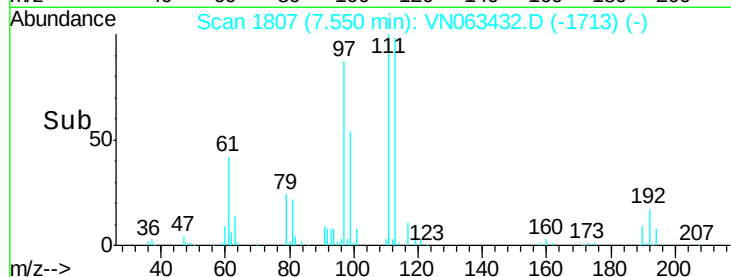
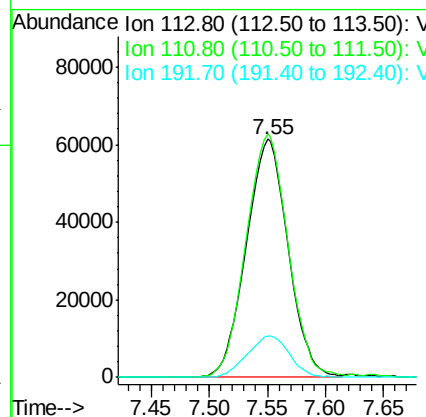
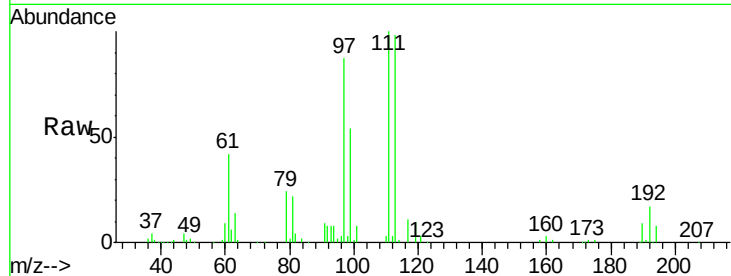
#35
 Dibromofluoromethane
 Concen: 47.443 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154437		
111	102.5	82.9	124.3	
192	17.5	13.9	20.9	

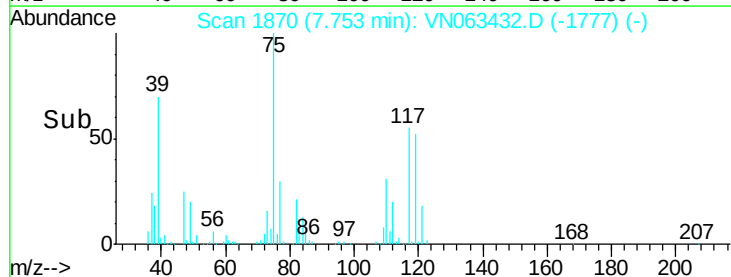
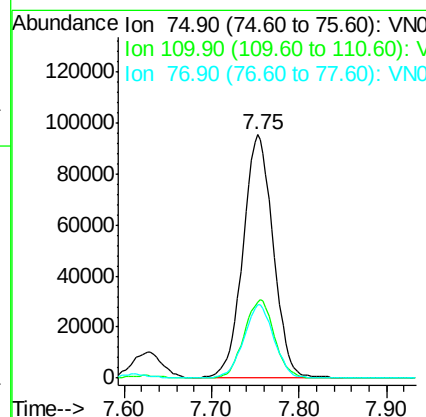
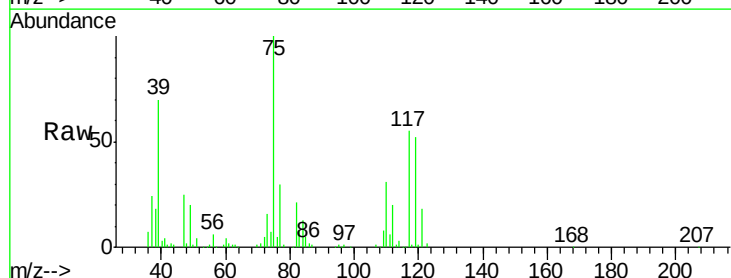
Manual Integrations
 APPROVED

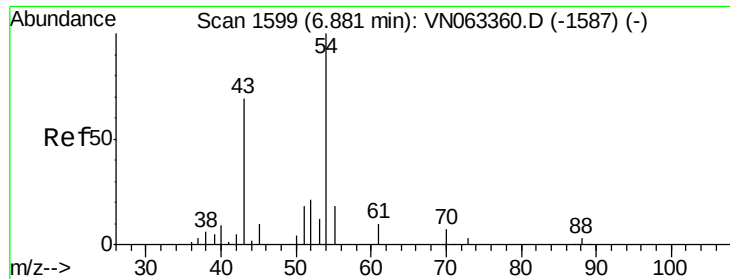
MMDadoda
 9/18/2020 2:45:31 PM



#36
 1,1-Dichloropropene
 Concen: 45.421 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227538		
110	32.4	16.5	49.5	
77	30.3	24.6	36.8	





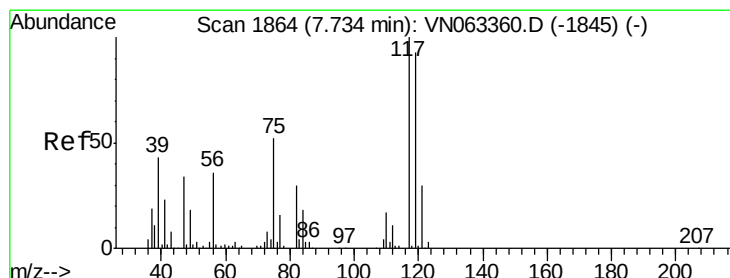
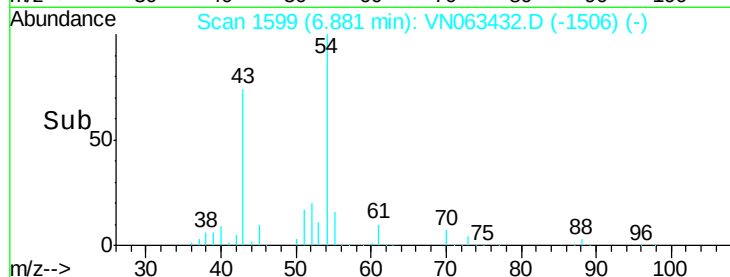
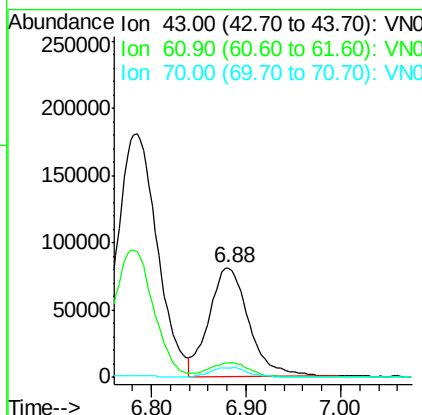
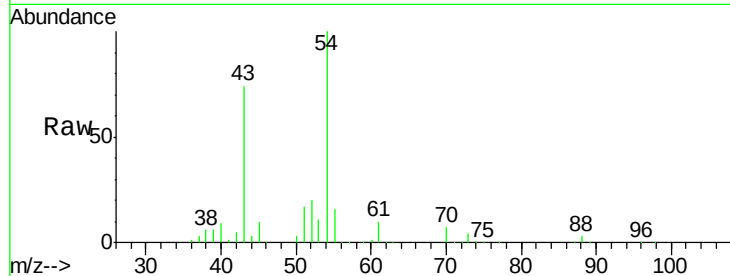
#37
Ethyl Acetate
Concen: 47.778 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.6	15.8
70	9.2	7.2	10.8

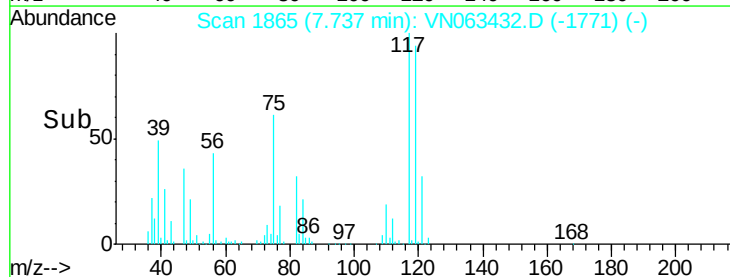
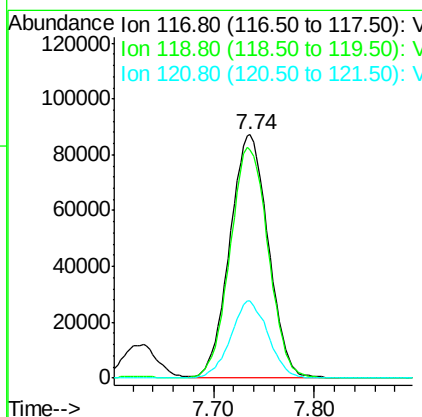
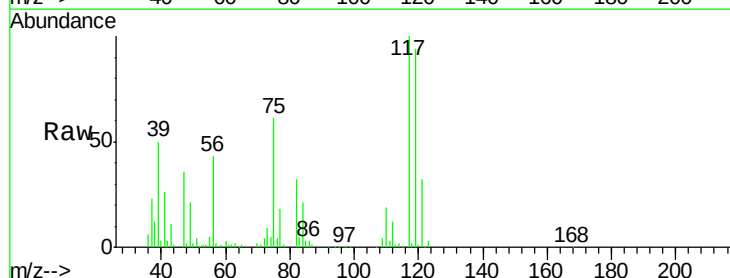
Manual Integrations
APPROVED

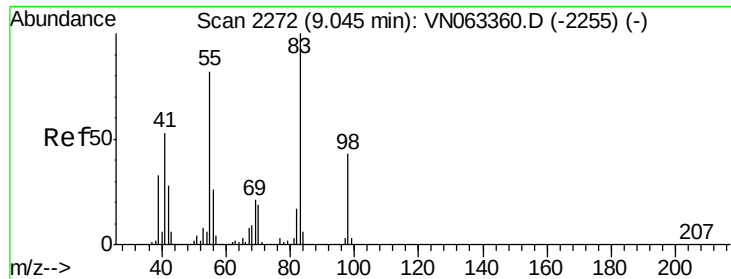
MMDadoda
9/18/2020 2:45:31 PM



#38
Carbon Tetrachloride
Concen: 44.865 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.5	111.7
121	31.8	24.1	36.1





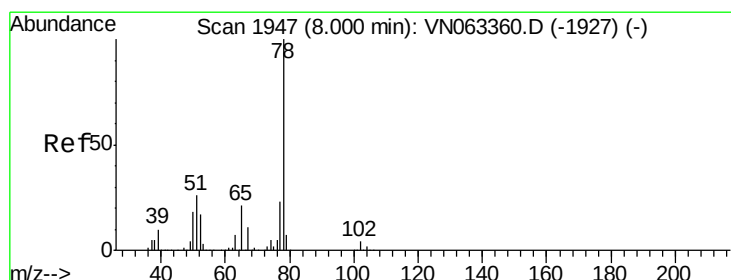
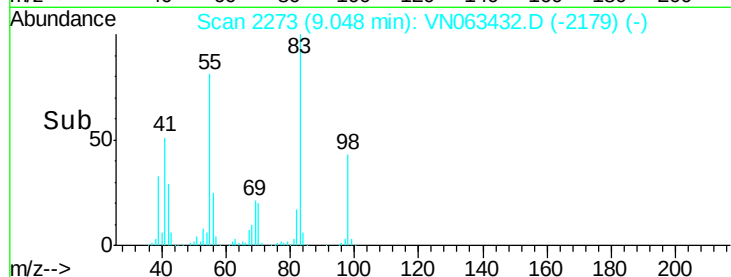
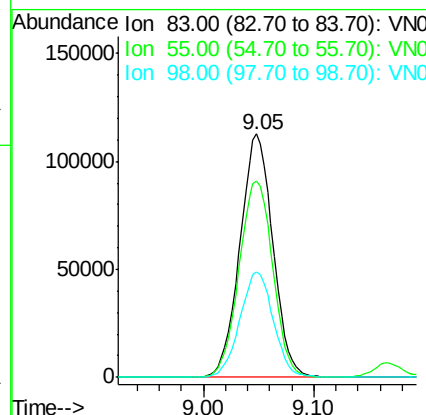
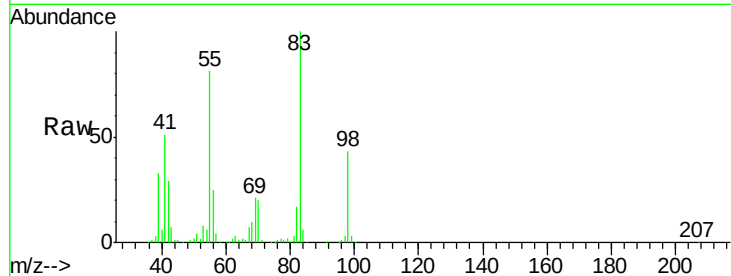
#39
Methylvlcyclohexane
Concen: 42.974 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	233646		
55	80.9	65.5	98.3	
98	43.5	34.2	51.4	

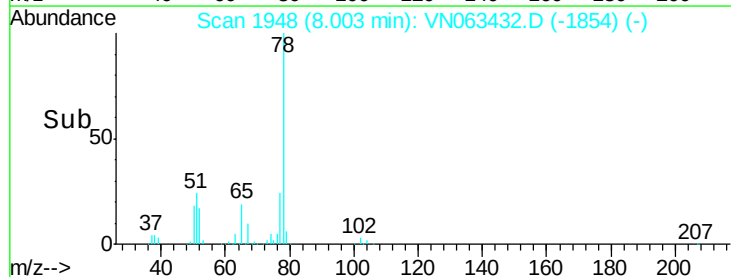
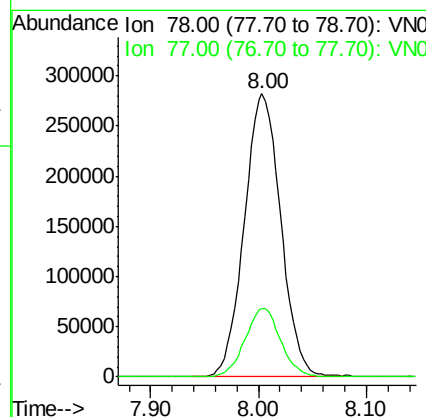
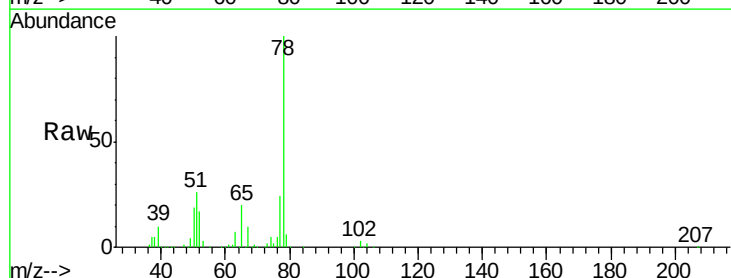
Manual Integrations
APPROVED

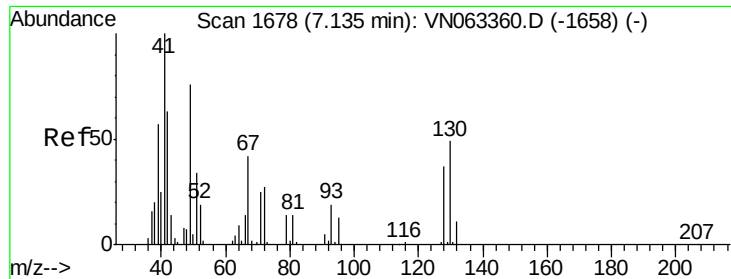
MMDadoda
9/18/2020 2:45:31 PM



#40
Benzene
Concen: 46.396 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	663473		
77	24.3	18.3	27.5	





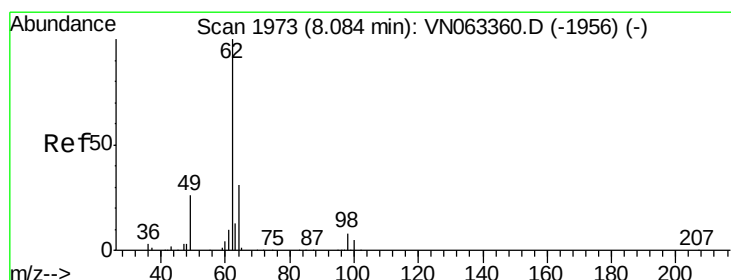
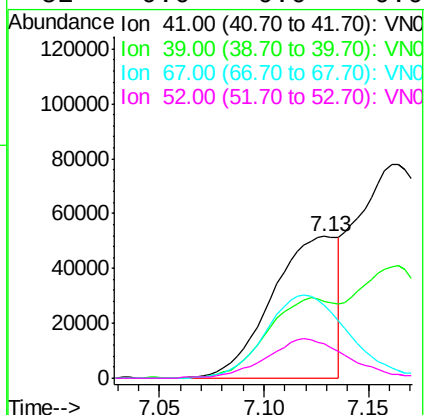
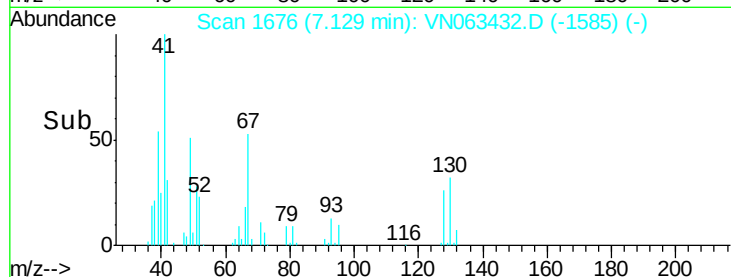
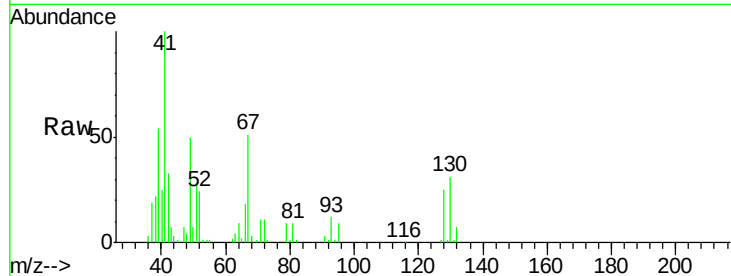
#41
Methacrylonitrile
Concen: 51.060 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	112910		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

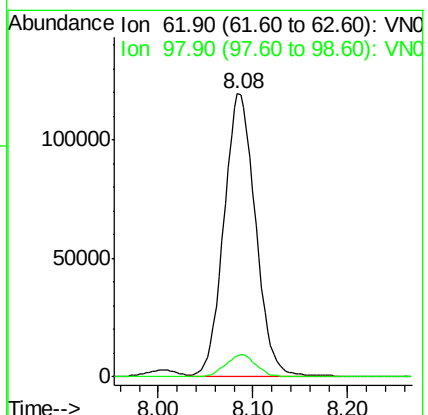
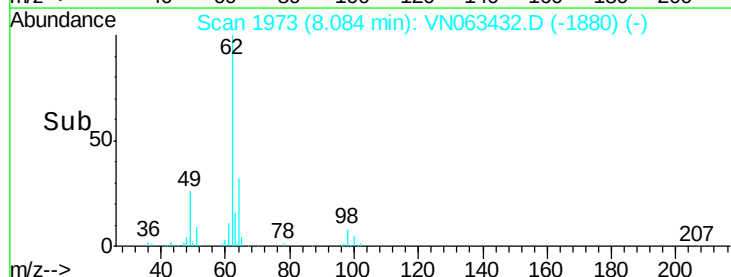
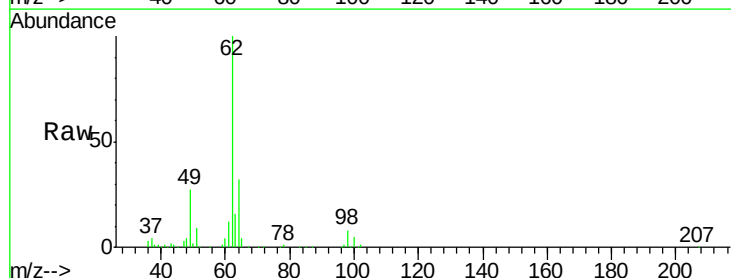
Manual Integrations
APPROVED

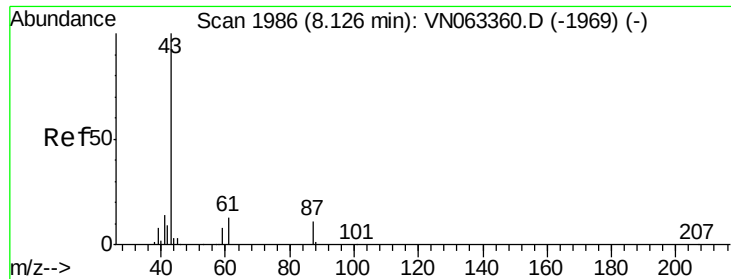
MMDadoda
9/18/2020 2:45:31 PM



#42
1,2-Dichloroethane
Concen: 47.991 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	275986		
98	7.6	0.0	15.6	





#43

Isopropyl Acetate

Concen: 45.340 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

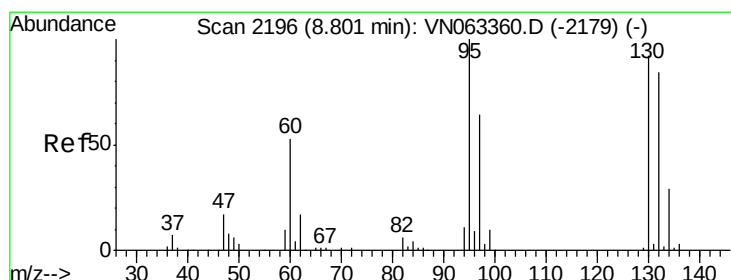
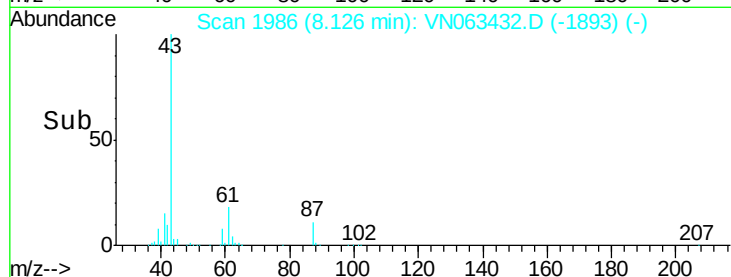
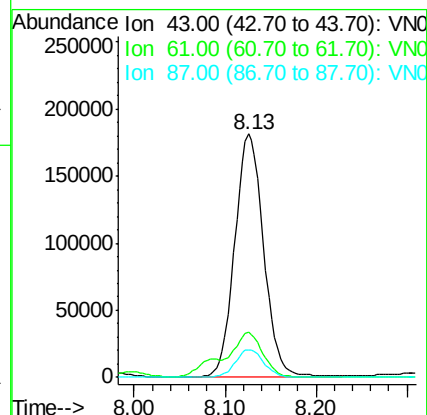
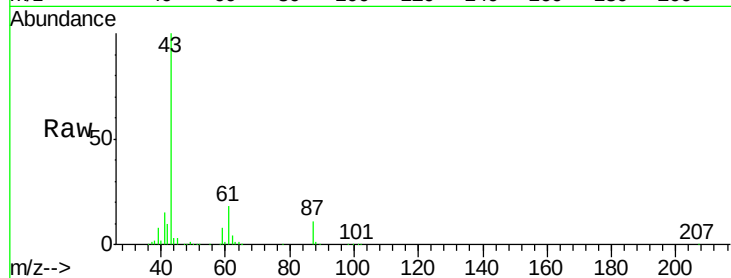
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	398600
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.2	21.2
87	11.3	9.0	13.6

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#44

Trichloroethene

Concen: 45.583 ug/l

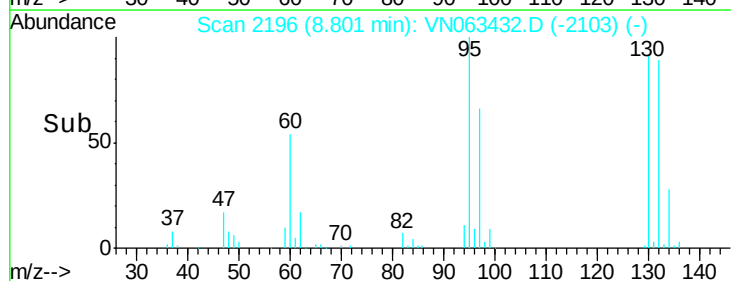
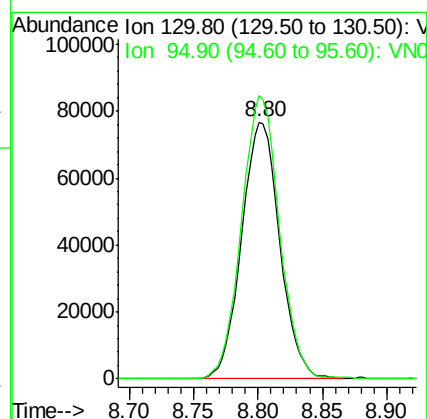
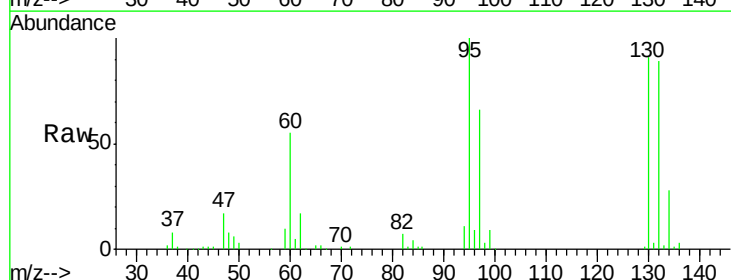
RT: 8.80 min Scan# 2196

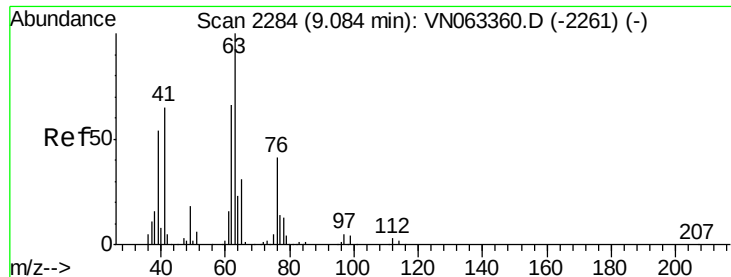
Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Tgt Ion:	130	Resp:	158103
Ion	Ratio	Lower	Upper
130	100		
95	110.2	0.0	217.4





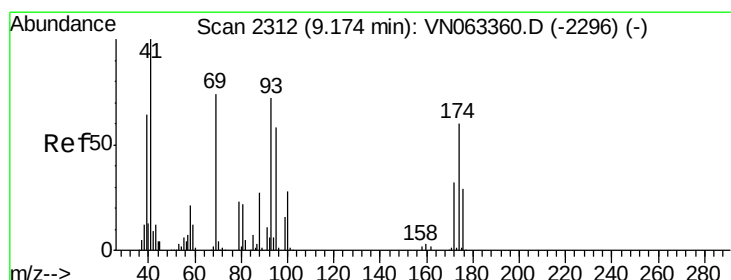
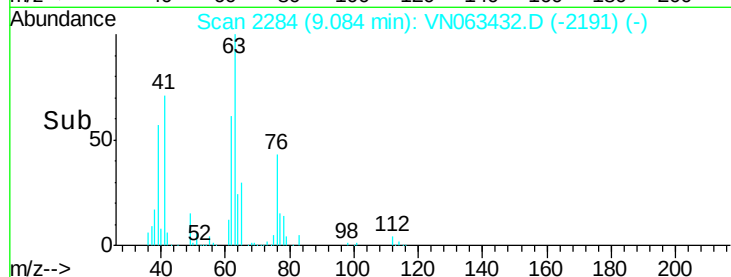
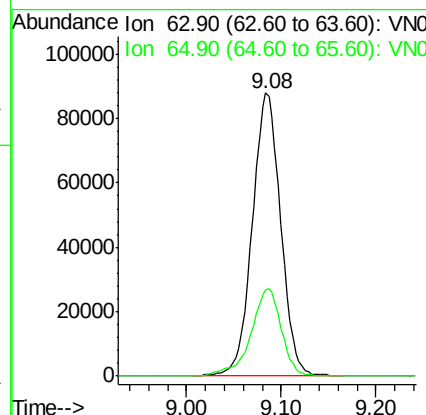
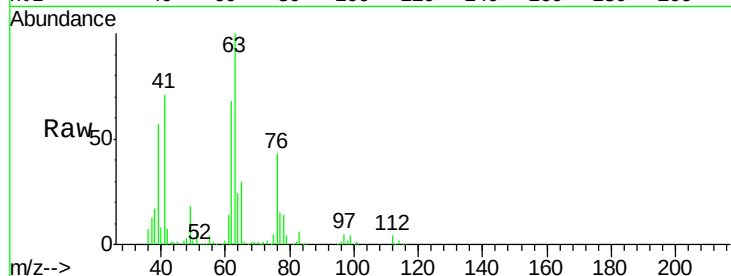
#45
 1,2-Dichloropropane
 Concen: 47.025 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.0	37.6

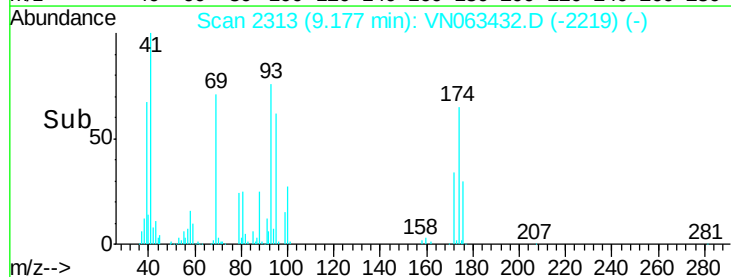
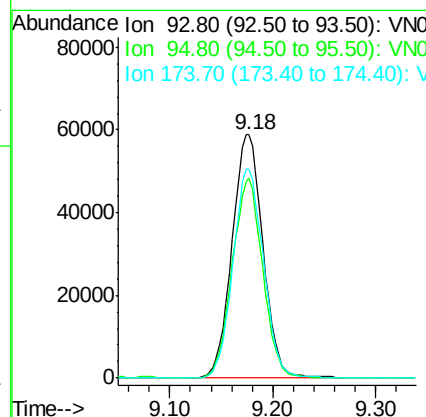
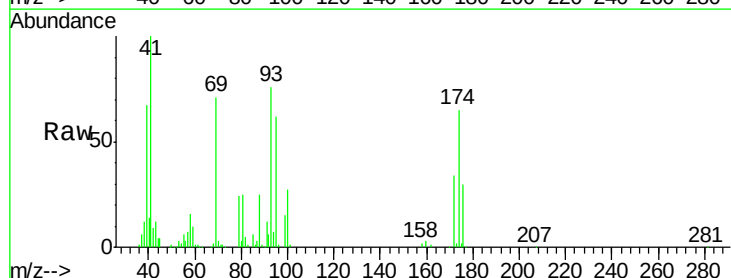
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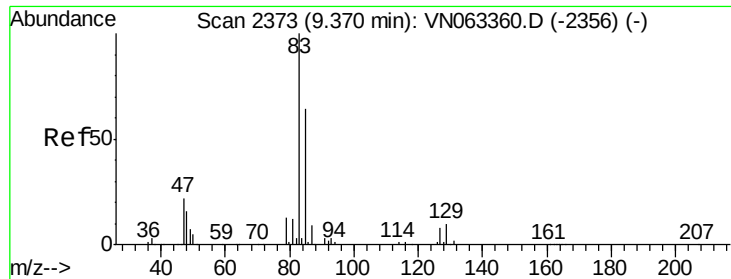
MMDadoda
 9/18/2020 2:45:31 PM



#46
 Dibromomethane
 Concen: 47.942 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.6	98.4
174	84.6	68.1	102.1





#47

Bromodichloromethane

Concen: 47.501 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

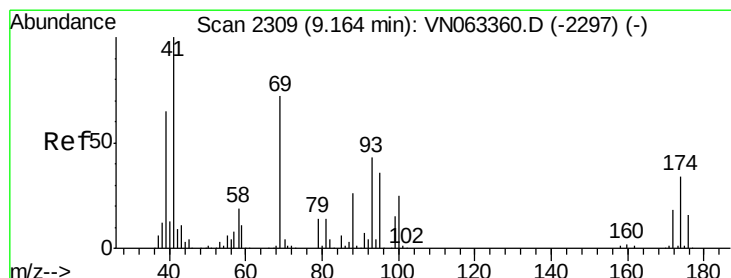
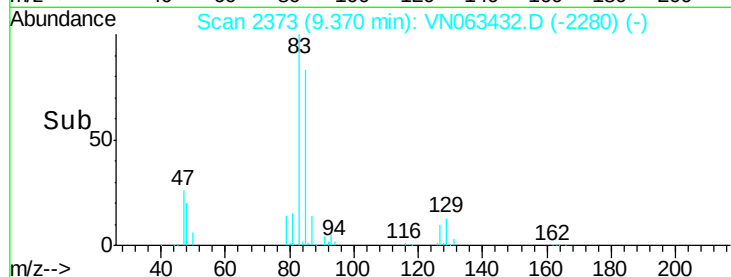
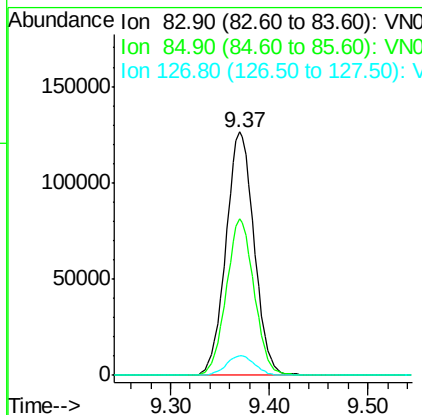
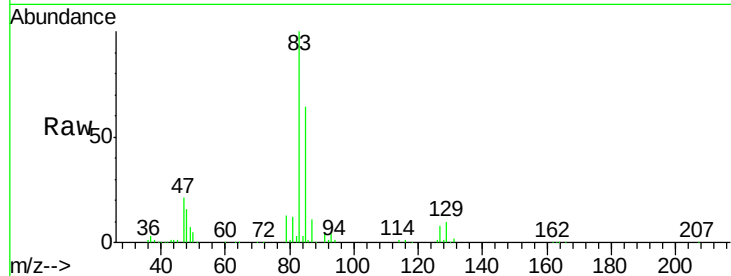
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	252612
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.0	76.6
127	8.1	6.3	9.5

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#48

Methyl methacrylate

Concen: 45.728 ug/l

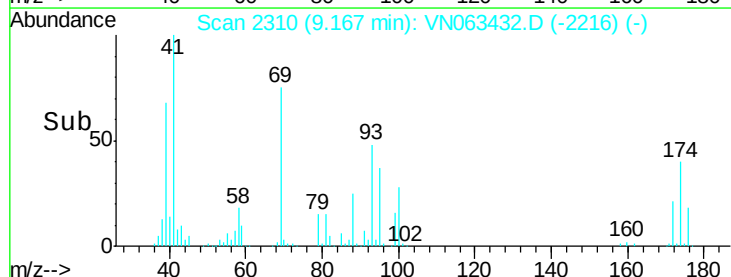
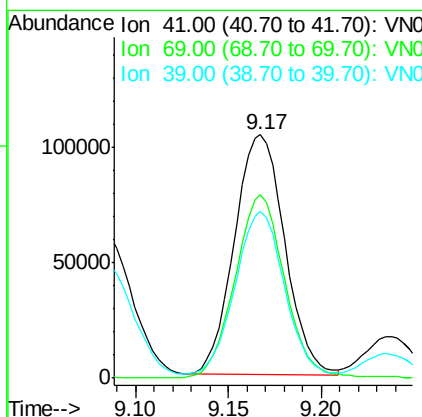
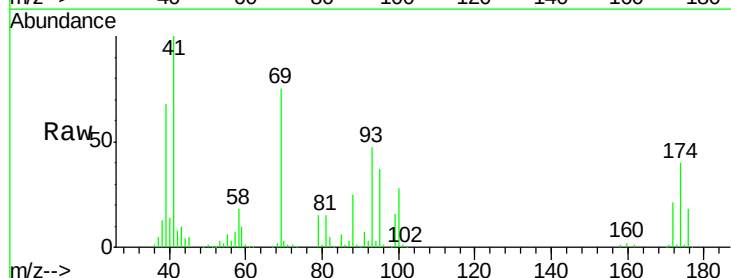
RT: 9.17 min Scan# 2310

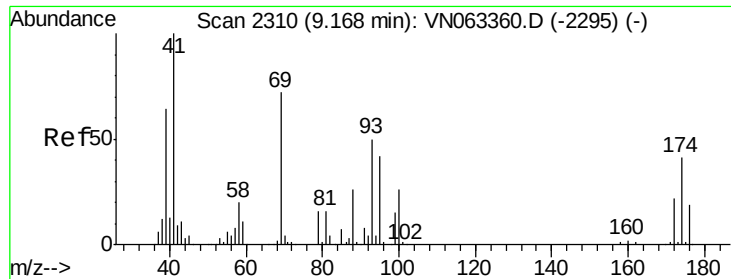
Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Tgt Ion:	41	Resp:	197511
Ion Ratio	Lower	Upper	
41	100		
69	75.4	59.3	88.9
39	68.5	52.9	79.3





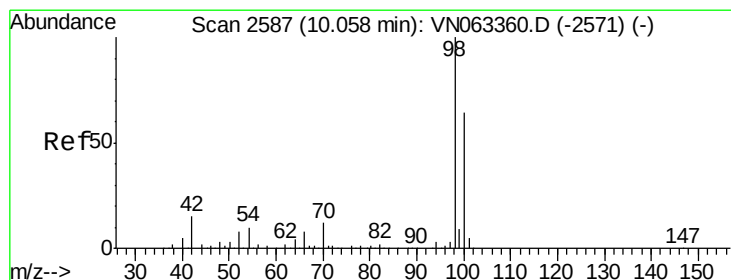
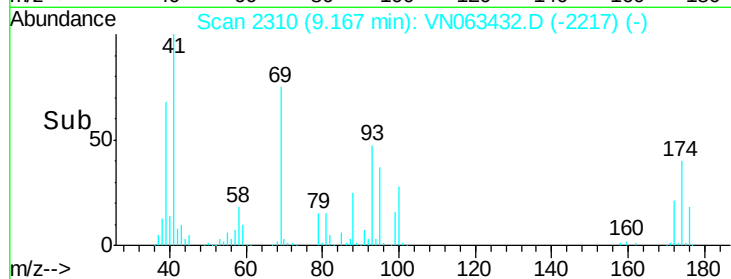
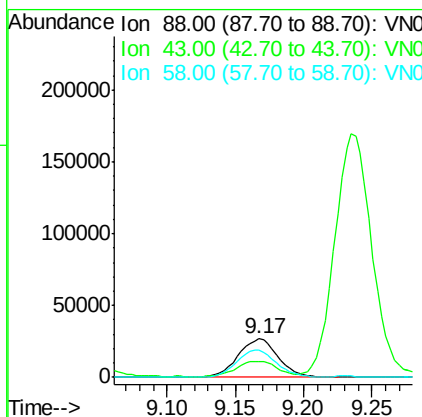
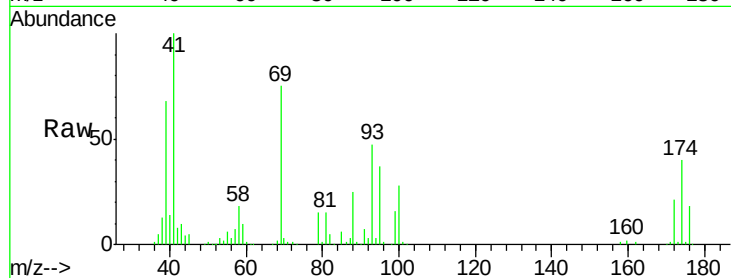
#49
1,4-Dioxane
Concen: 885.226 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	54870
Ion Ratio	100	Lower	Upper
88	100		
43	39.5	32.6	49.0
58	70.1	60.0	90.0

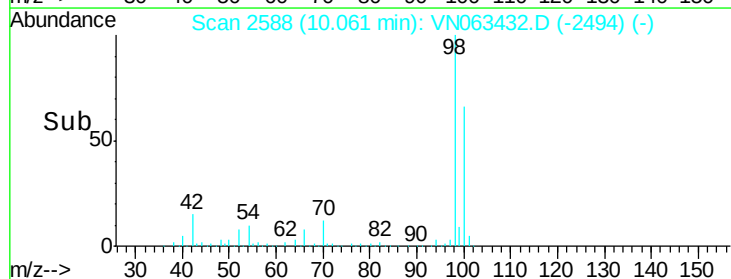
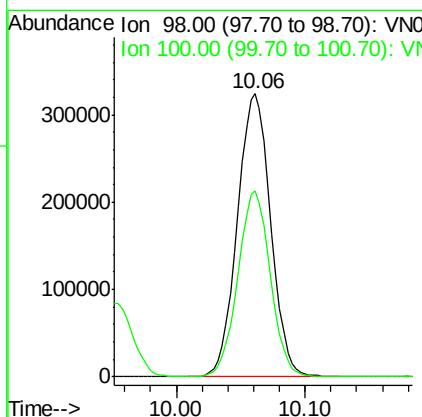
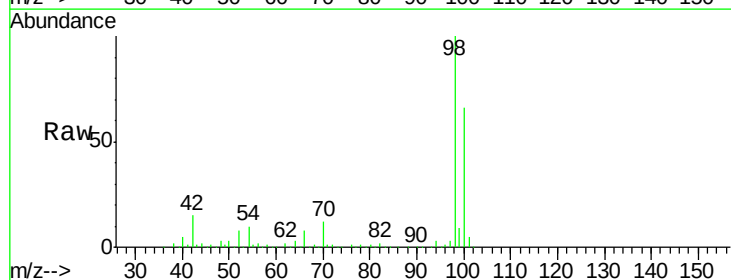
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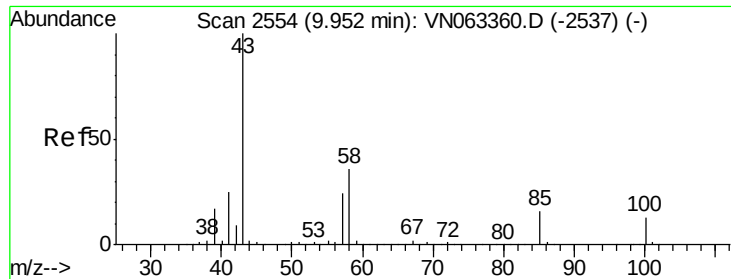
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#50
Toluene-d8
Concen: 47.521 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	98	Resp	581661
Ion Ratio	100	Lower	Upper
98	100		
100	63.7	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 240.679 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1184557

Ion Ratio Lower Upper

43 100

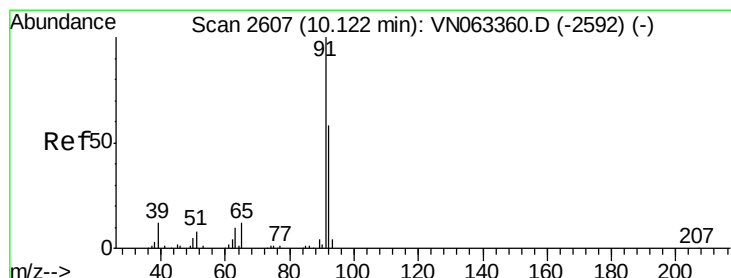
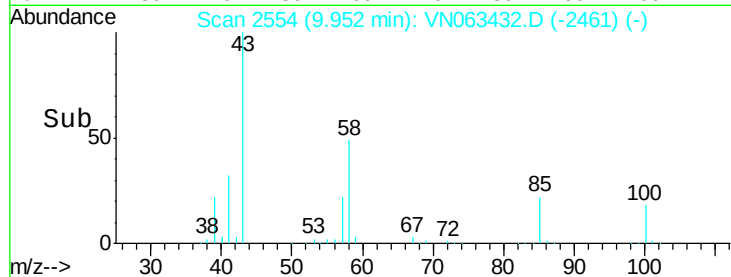
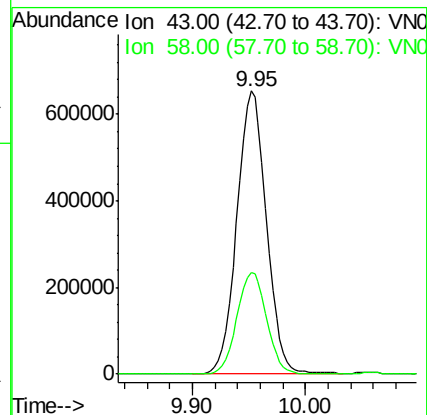
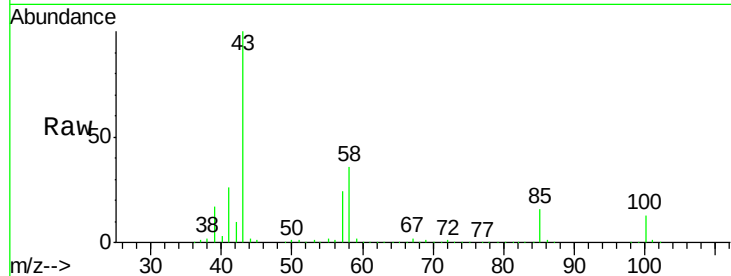
58 36.3 29.0 43.6

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#52

Toluene

Concen: 47.986 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063432.D

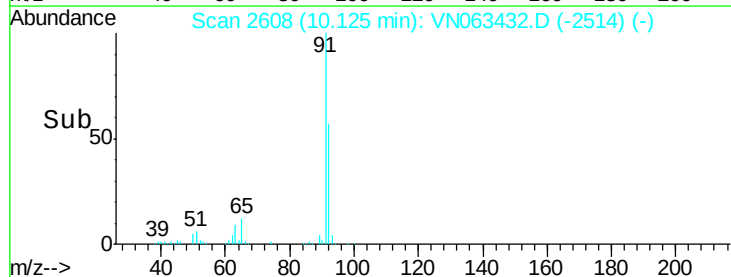
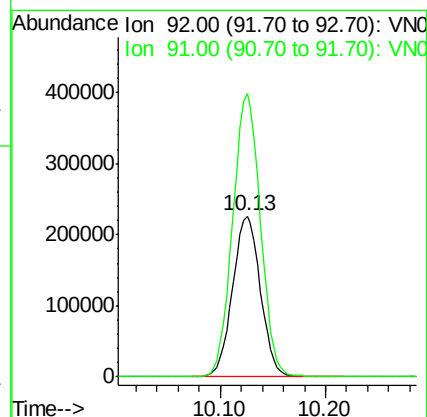
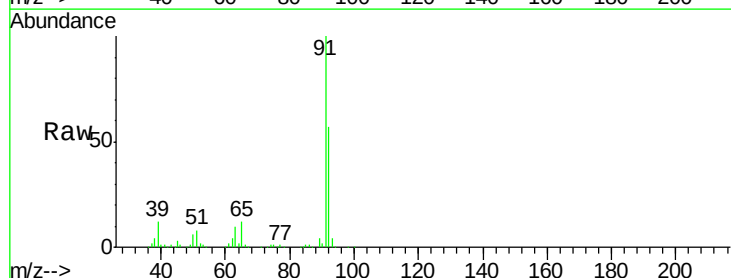
Acq: 17 Sep 2020 20:24

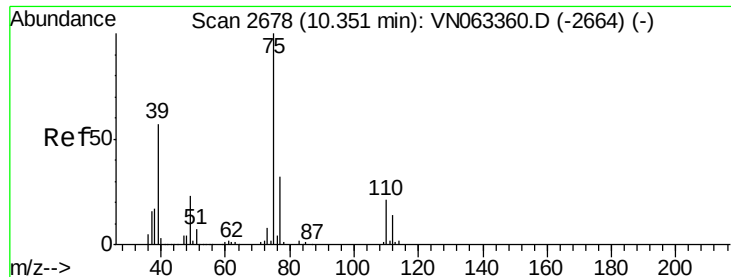
Tgt Ion: 92 Resp: 412575

Ion Ratio Lower Upper

92 100

91 175.6 139.7 209.5





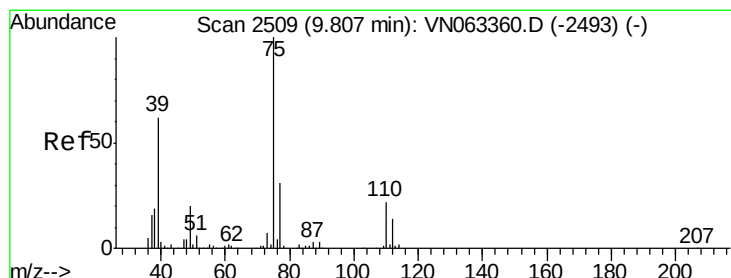
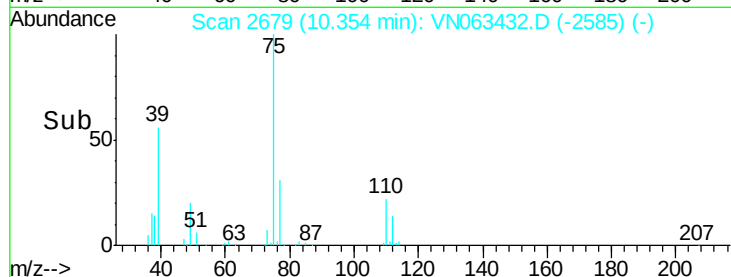
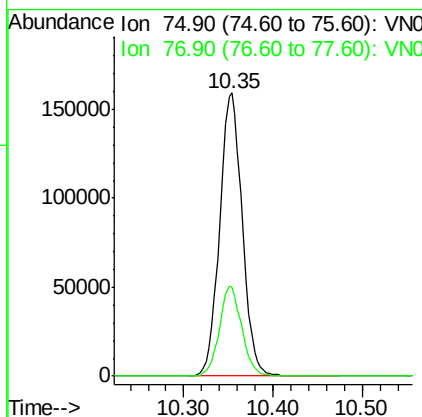
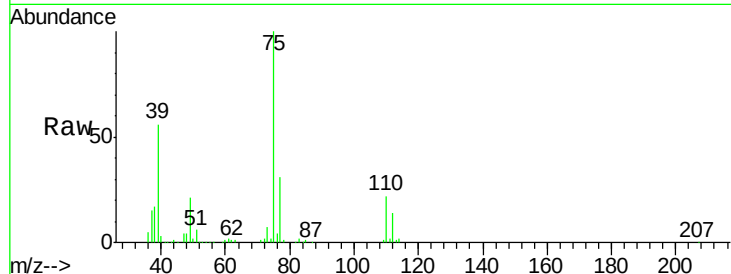
#53
t-1,3-Dichloropropene
Concen: 46.984 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

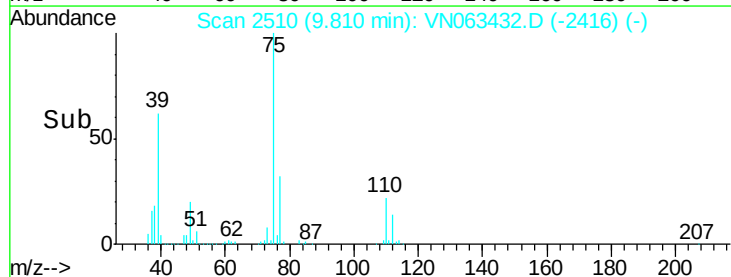
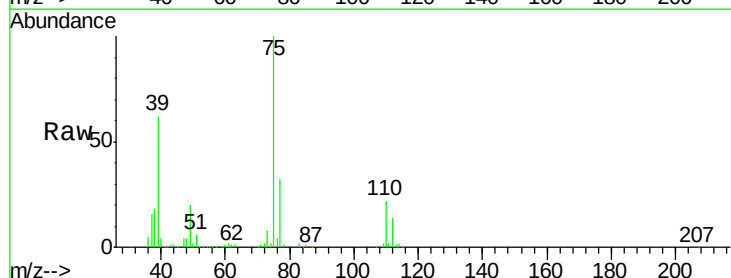
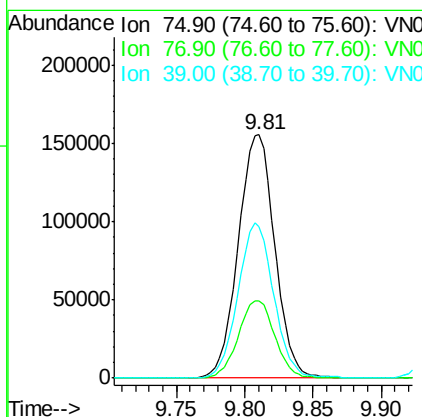
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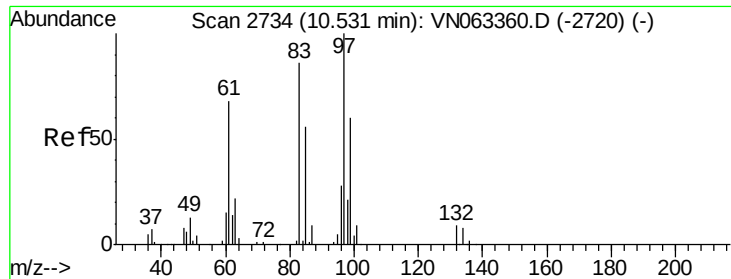
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#54
cis-1,3-Dichloropropene
Concen: 46.115 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	37.0
39	62.2	49.8	74.8





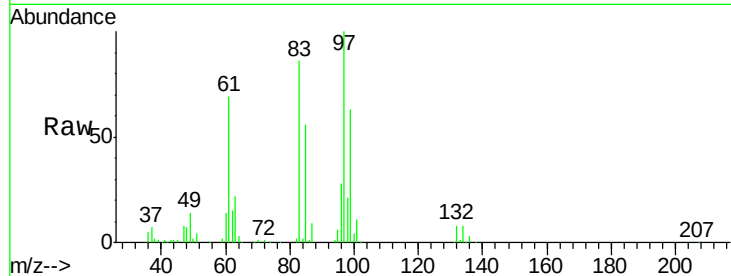
#55
 1,1,2-Trichloroethane
 Concen: 48.742 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

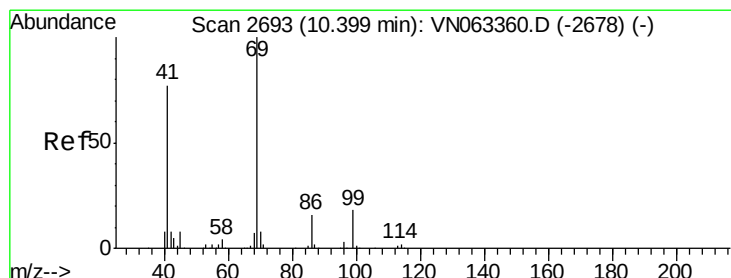
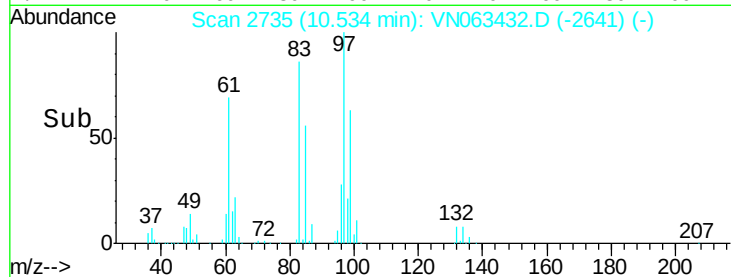
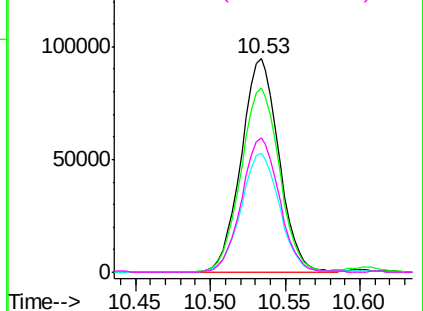
Tot Ion	97	Resp	166458
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	56.0	44.8	67.2
99	63.2	47.8	71.8

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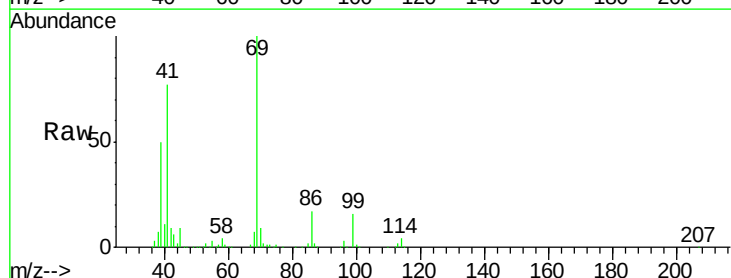


Abundance Ion 96.90 (96.60 to 97.60): VN063432.D (-2641) (-)
 Ion 82.90 (82.60 to 83.60): VN063432.D (-2641) (-)
 Ion 84.90 (84.60 to 85.60): VN063432.D (-2641) (-)
 Ion 98.90 (98.60 to 99.60): VN063432.D (-2641) (-)

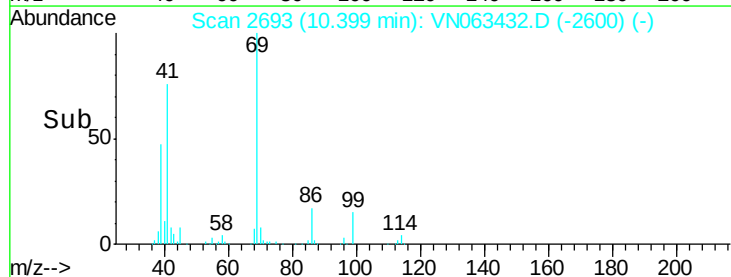
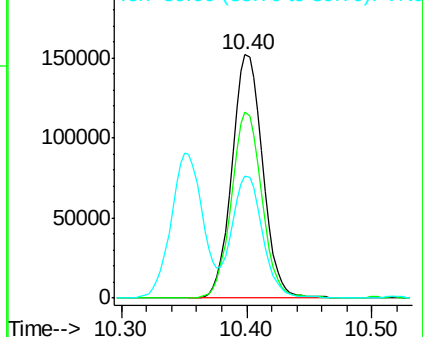


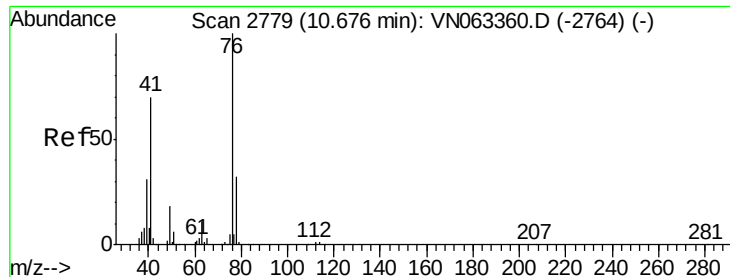
#56
 Ethyl methacrylate
 Concen: 48.553 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	69	Resp	258854
Ion	Ratio	Lower	Upper
69	100		
41	75.0	61.0	91.6
39	50.3	39.2	58.8



Abundance Ion 69.00 (68.70 to 69.70): VN063432.D (-2600) (-)
 Ion 41.00 (40.70 to 41.70): VN063432.D (-2600) (-)
 Ion 39.00 (38.70 to 39.70): VN063432.D (-2600) (-)





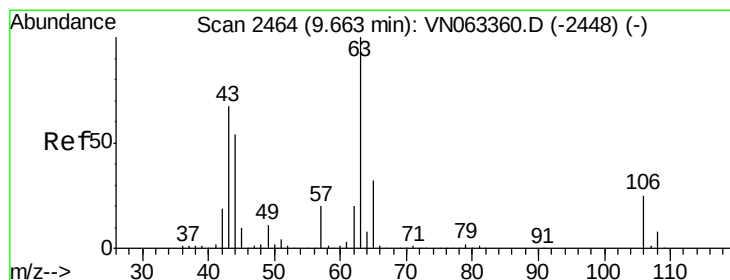
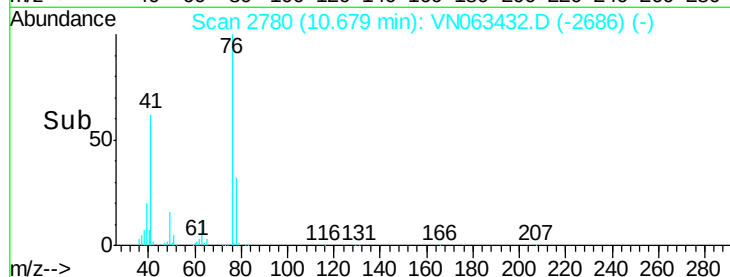
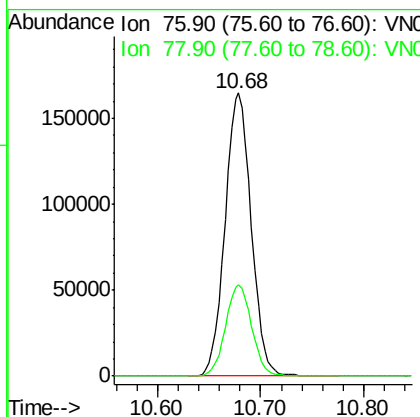
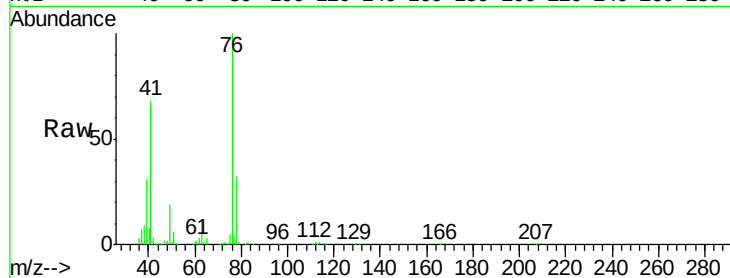
#57
 1,3-Dichloropropane
 Concen: 47.181 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

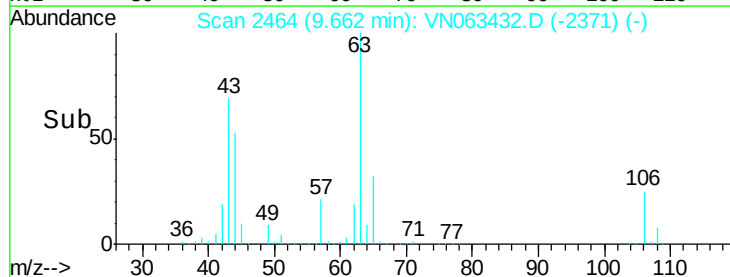
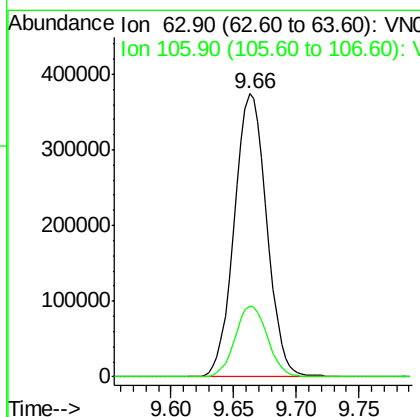
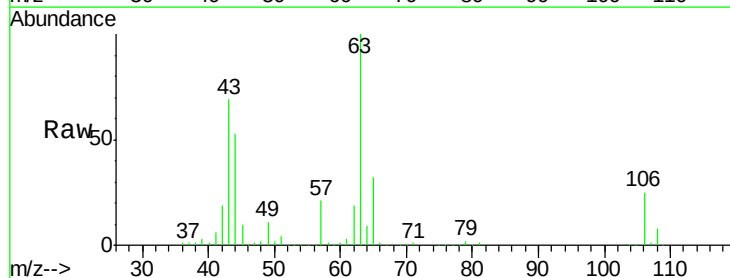
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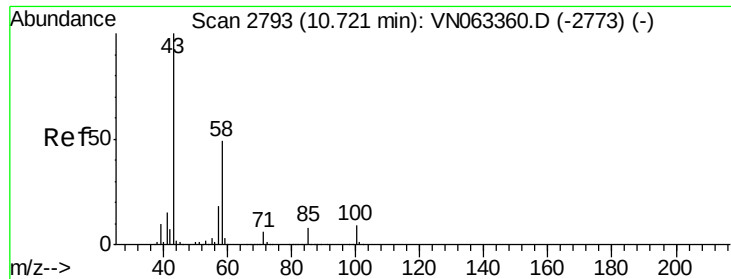
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 240.666 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	19.5	29.3





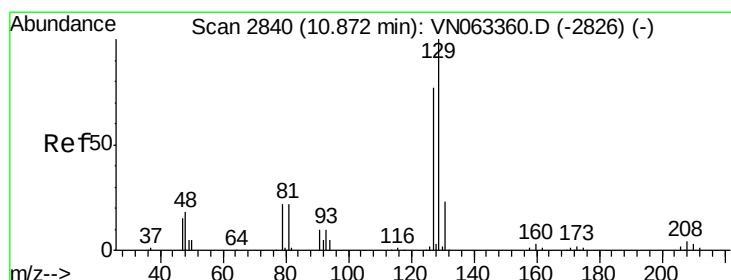
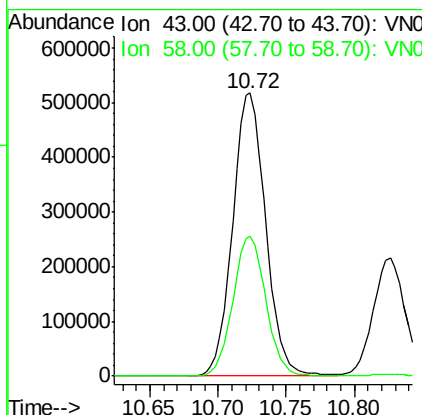
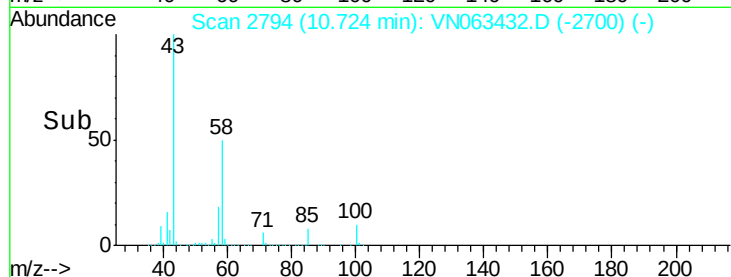
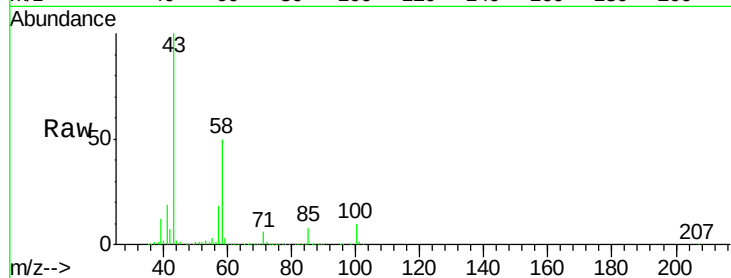
#59
2-Hexanone
Concen: 242.559 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 864883
Ion Ratio Lower Upper
43 100
58 49.7 24.7 74.1

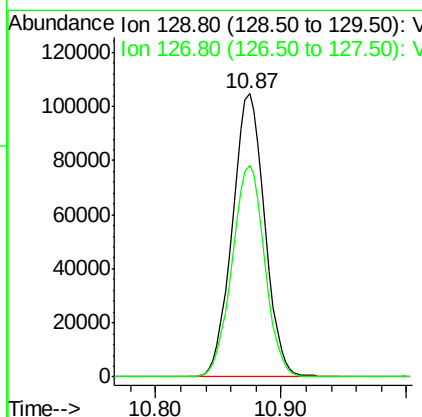
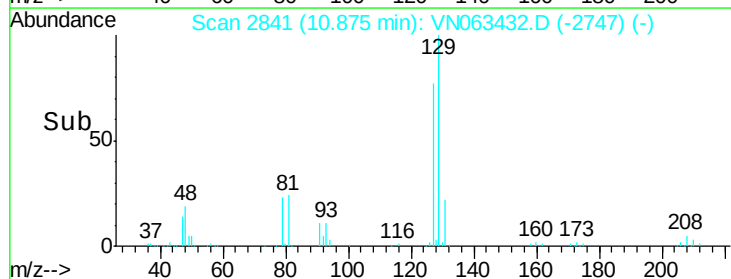
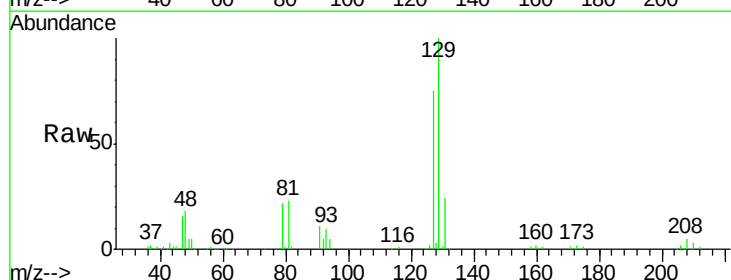
Manual Integrations
APPROVED

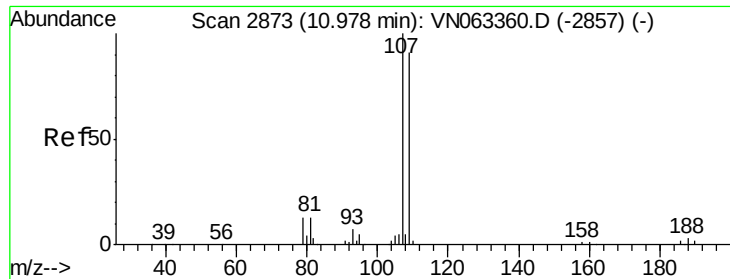
MMDadoda
9/18/2020 2:45:31 PM



#60
Dibromochloromethane
Concen: 48.589 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion: 129 Resp: 187464
Ion Ratio Lower Upper
129 100
127 75.4 39.1 117.3





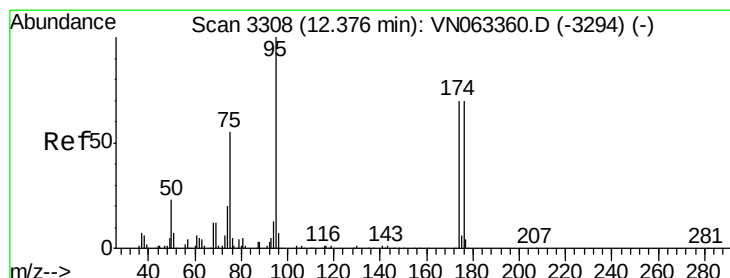
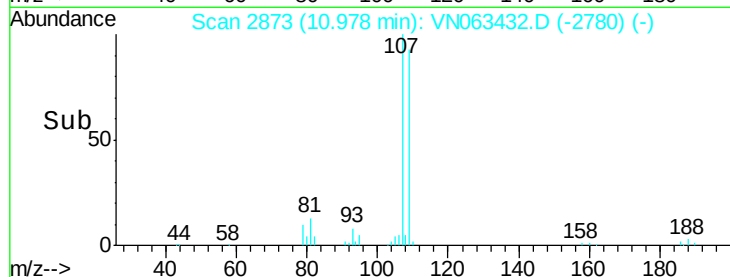
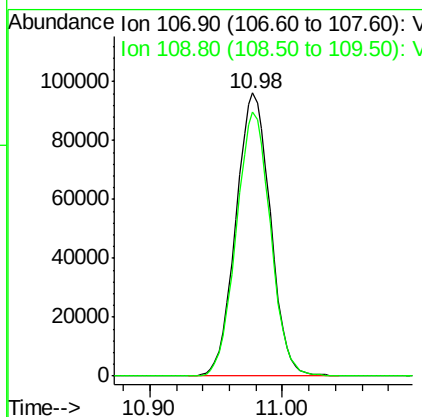
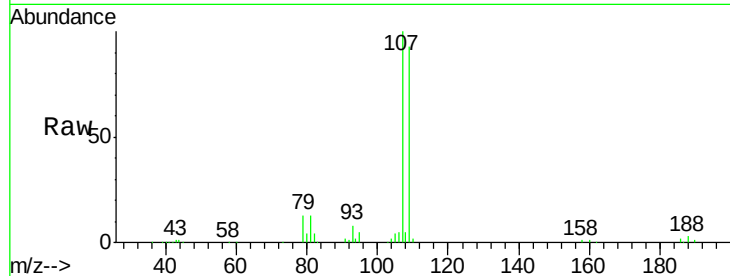
#61
 1,2-Dibromoethane
 Concen: 48.909 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.6	111.8

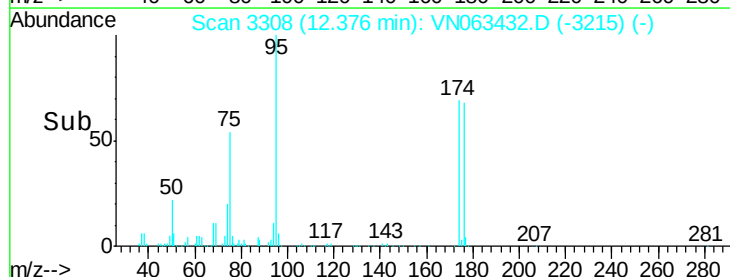
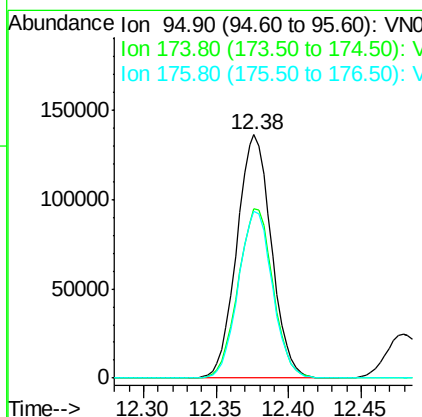
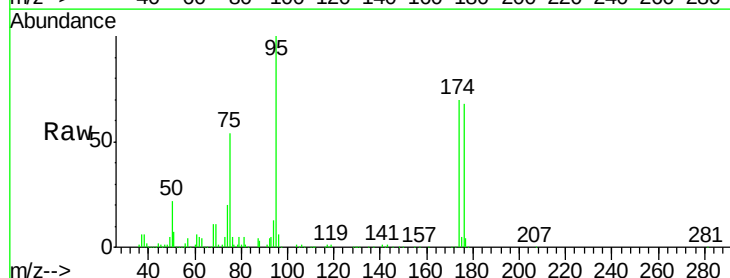
Manual Integrations
 APPROVED

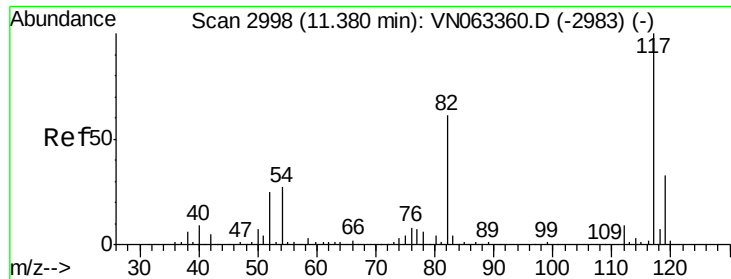
MMDadoda
 9/18/2020 2:45:31 PM



#62
 4-Bromofluorobenzene
 Concen: 50.492 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.0	0.0	140.8
176	67.7	0.0	137.6





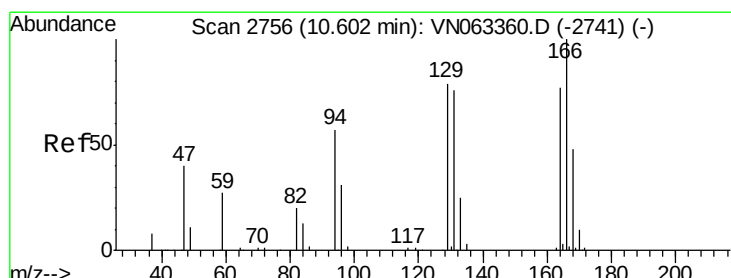
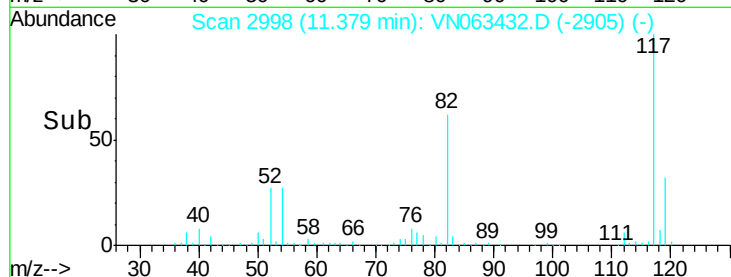
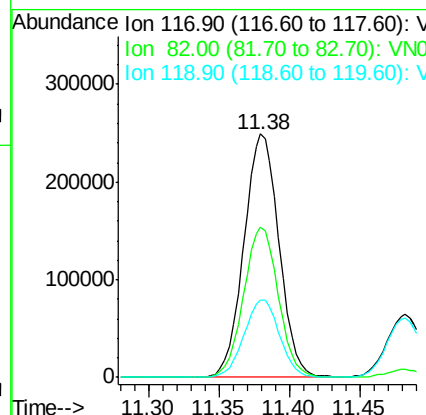
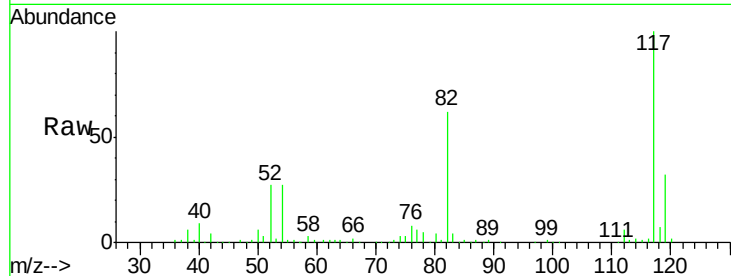
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.2	73.8
119	31.9	26.2	39.4

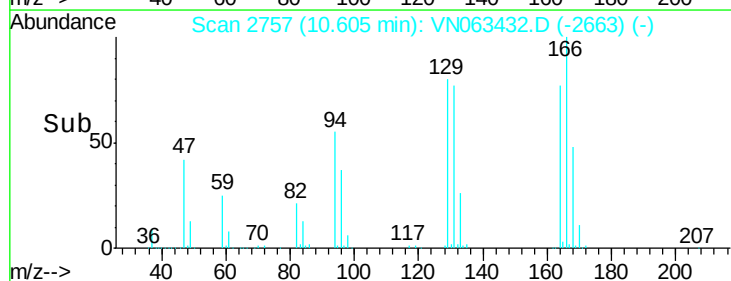
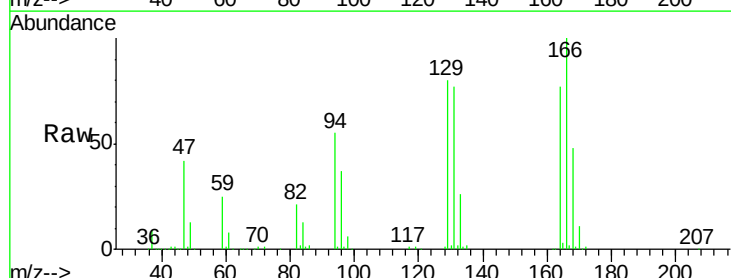
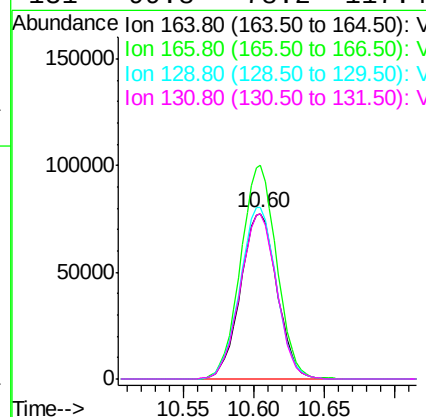
Manual Integrations
APPROVED

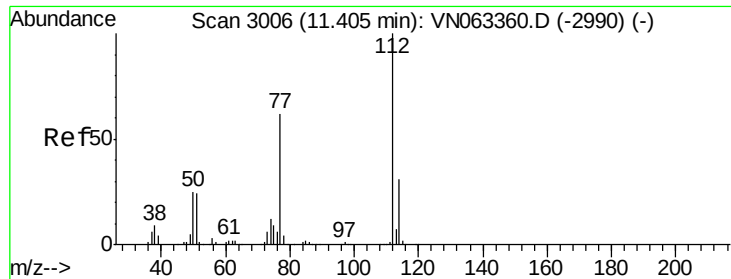
MMDadoda
9/18/2020 2:45:31 PM



#64
Tetrachloroethene
Concen: 47.509 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.4	155.0
129	103.7	81.8	122.6
131	99.8	78.2	117.4





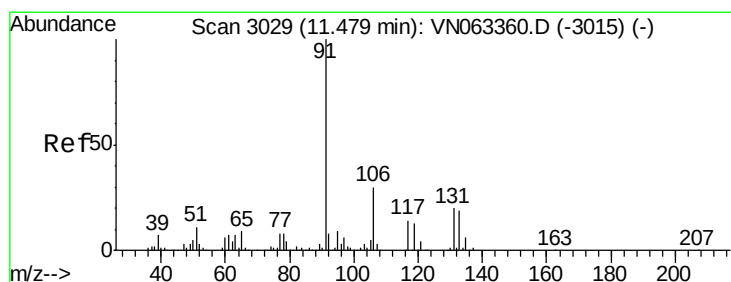
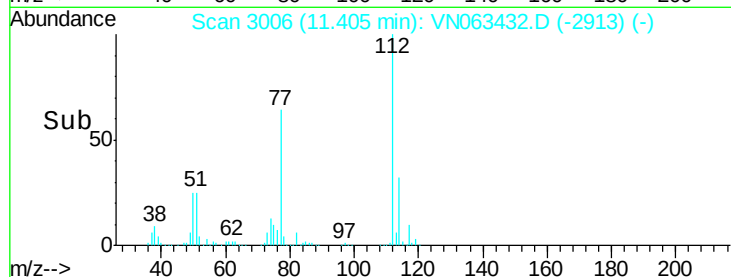
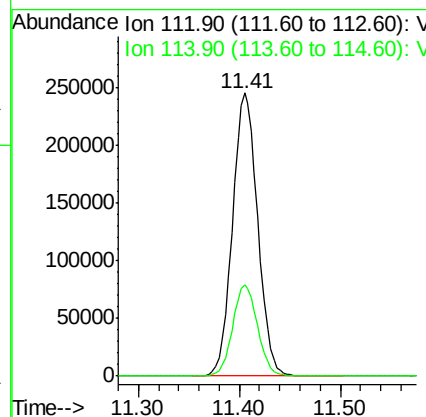
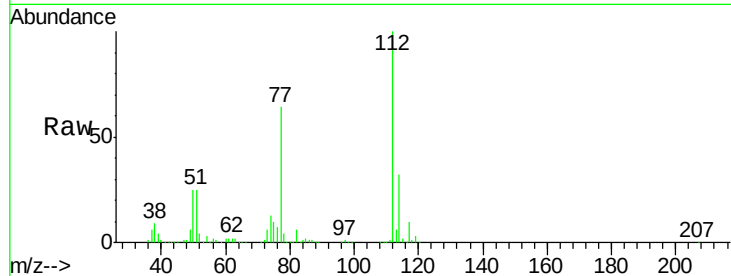
#65
Chlorobenzene
Concen: 46.326 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 427026
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6

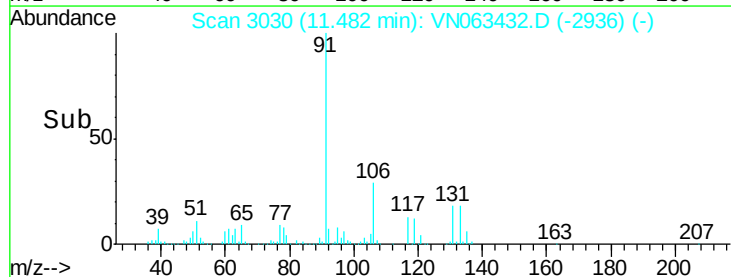
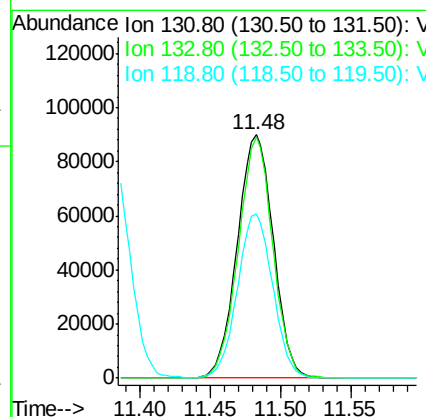
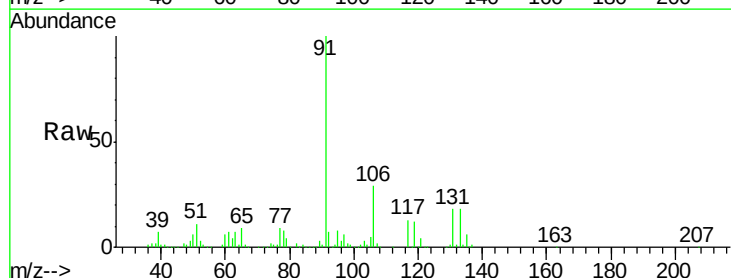
Manual Integrations
APPROVED

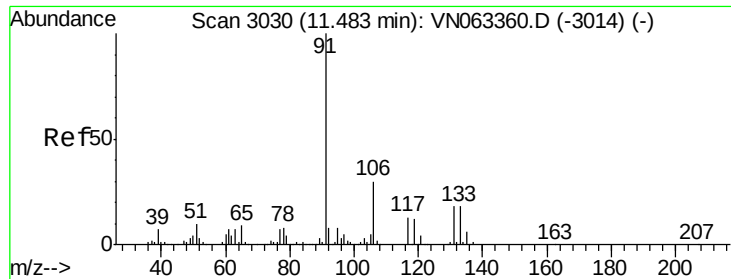
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.762 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion:131 Resp: 161382
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 66.2 33.6 100.8





#67

Ethyl Benzene

Concen: 47.005 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 815959

Ion Ratio Lower Upper

91 100

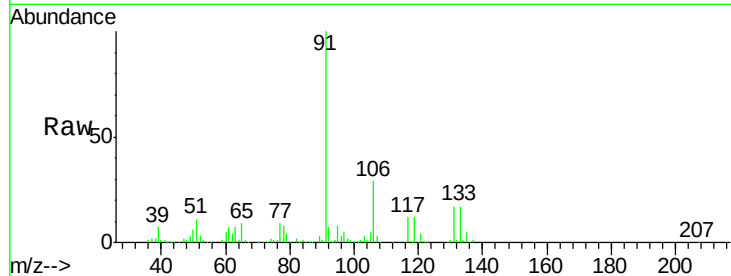
106 29.4 23.8 35.6

Manual Integrations

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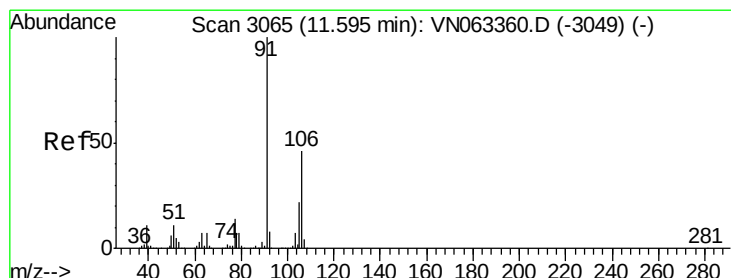
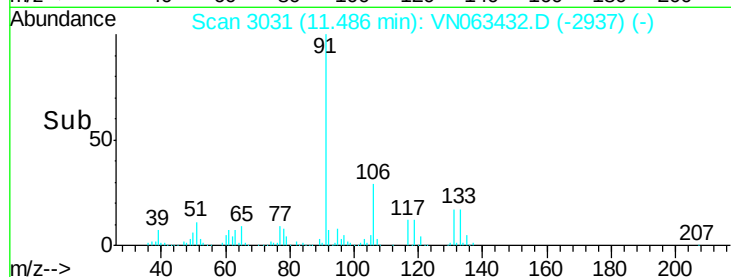
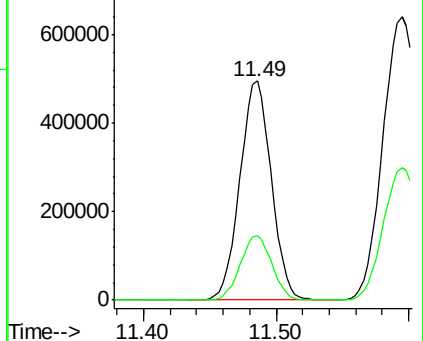
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3014) (-)

Ion 106.00 (105.70 to 106.70): VN063360.D (-3014) (-)



#68

m/p-Xylenes

Concen: 93.153 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063432.D

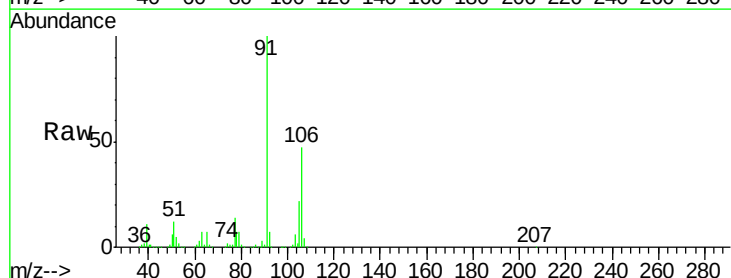
Acq: 17 Sep 2020 20:24

Tgt Ion: 106 Resp: 583020

Ion Ratio Lower Upper

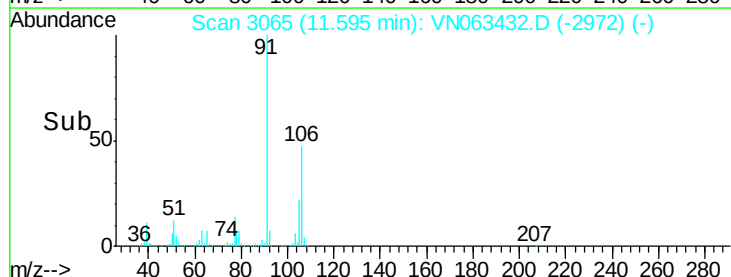
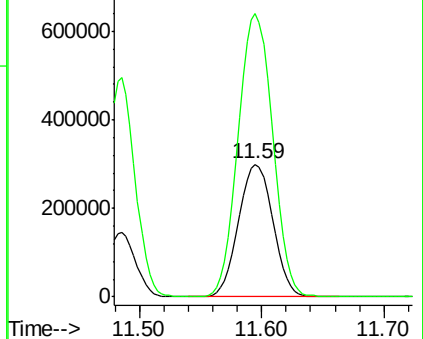
106 100

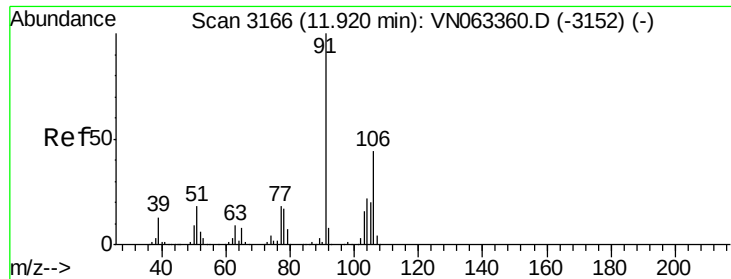
91 215.0 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): VN063360.D (-3049) (-)

Ion 91.00 (90.70 to 91.70): VN063360.D (-3049) (-)





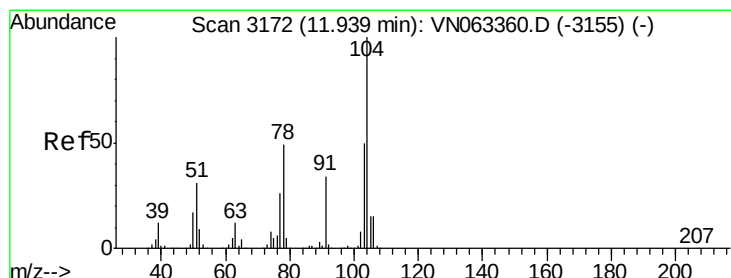
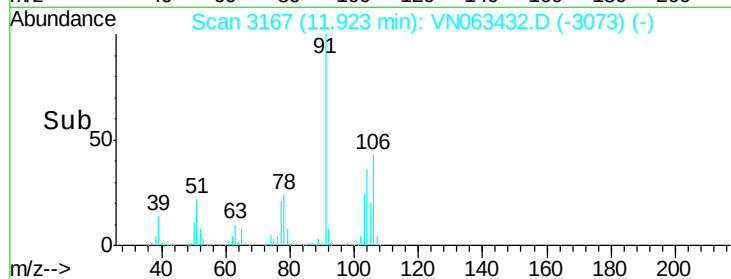
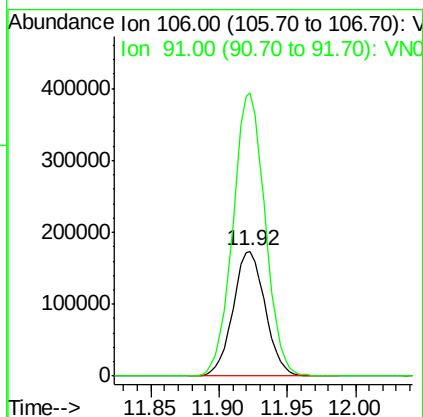
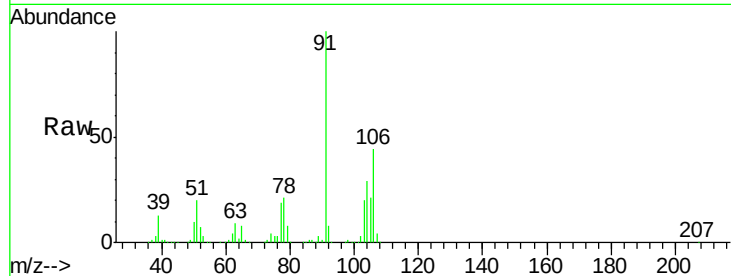
#69
o-Xylene
Concen: 47.845 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	285256		
91	91	226.0	113.6	340.8	

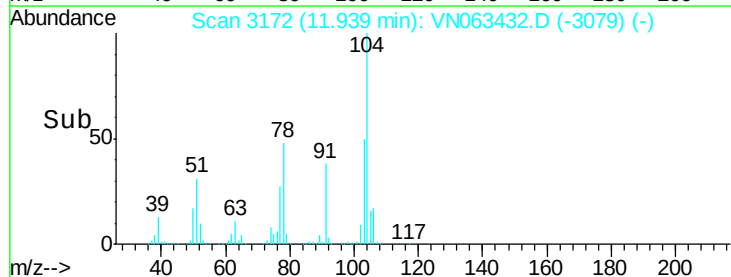
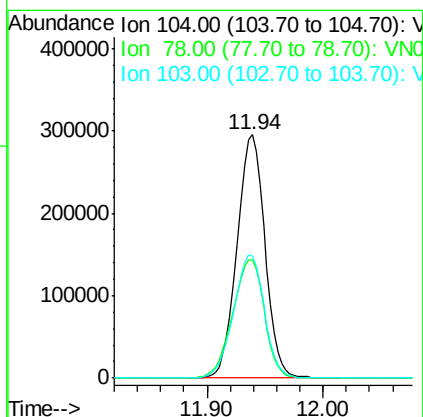
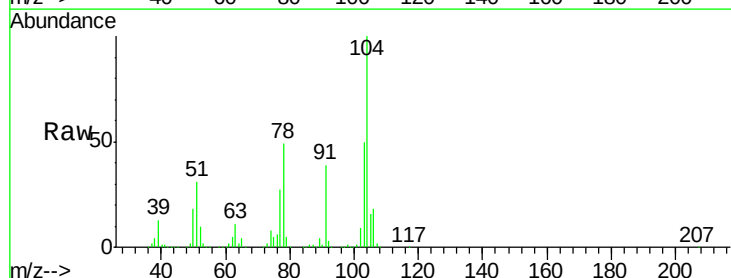
Manual Integrations
APPROVED

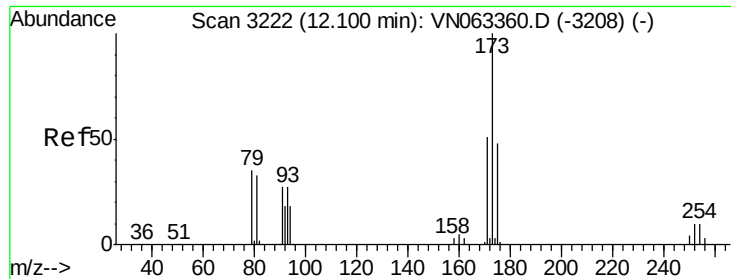
MMDadoda
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#70
Styrene
Concen: 49.407 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	493992		
78	78	55.0	44.4	66.6	
103	103	55.7	43.7	65.5	





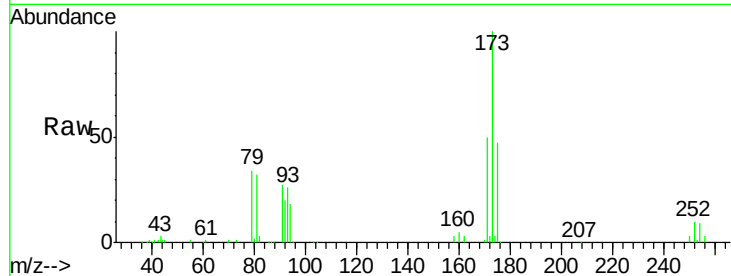
#71
Bromoform
Concen: 48.524 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

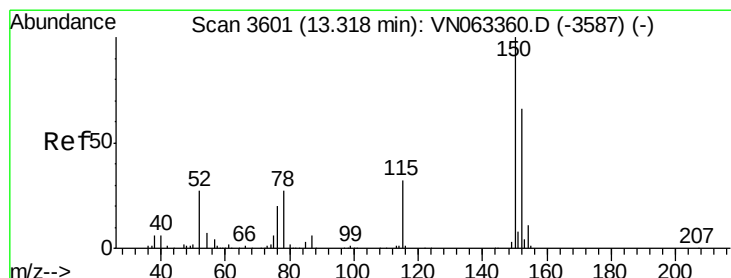
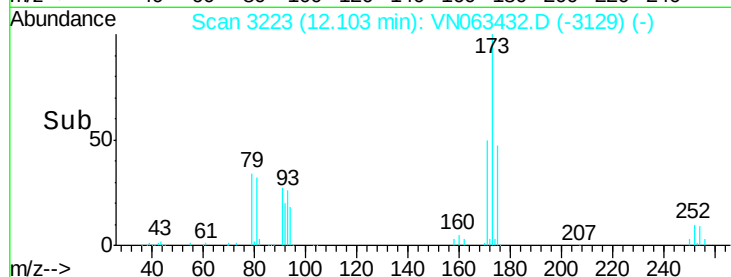
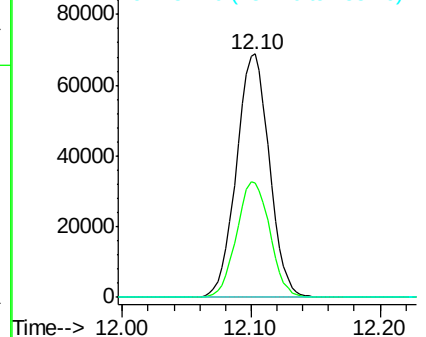
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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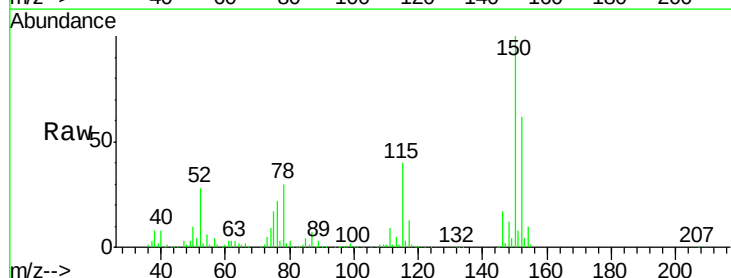


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

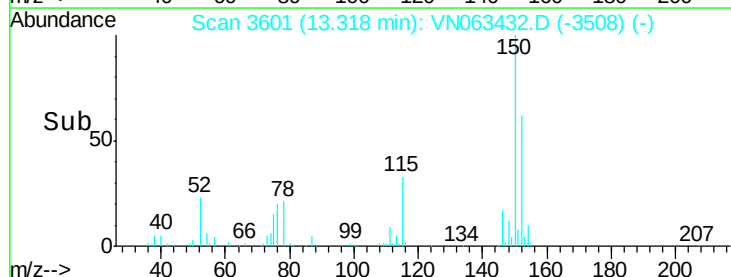
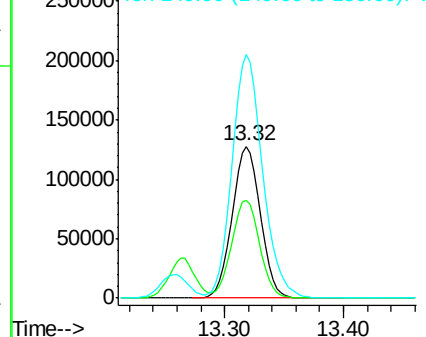


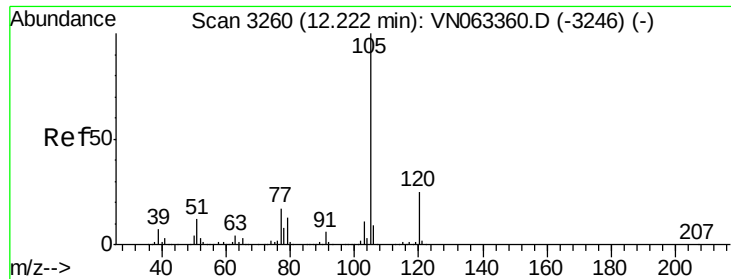
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	32.2	96.6
150	173.1	0.0	343.4



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





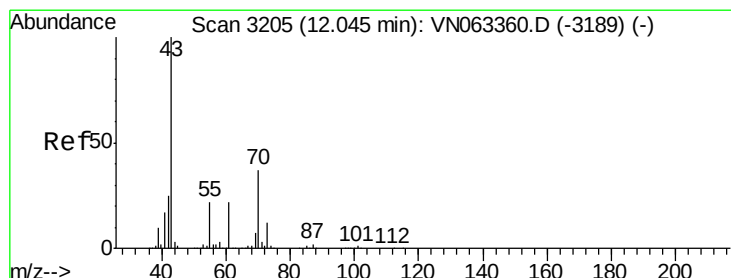
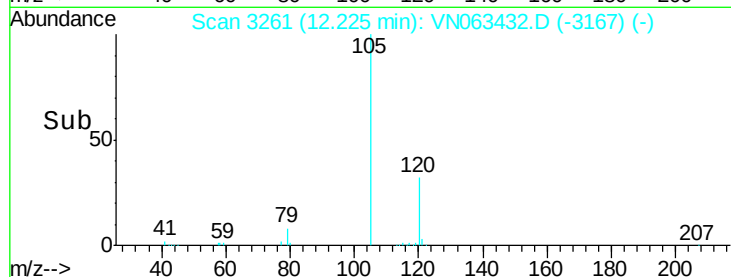
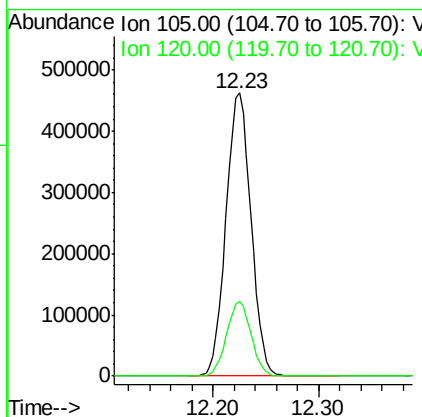
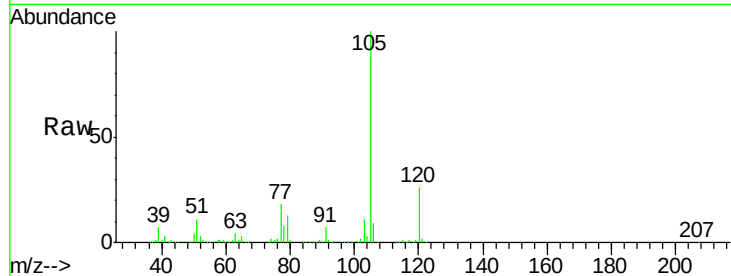
#73
Isopropylbenzene
Concen: 45.038 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.7	38.0

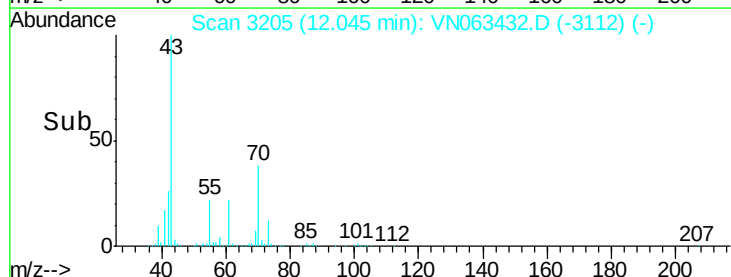
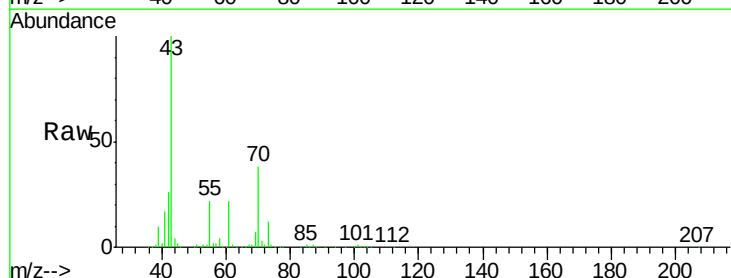
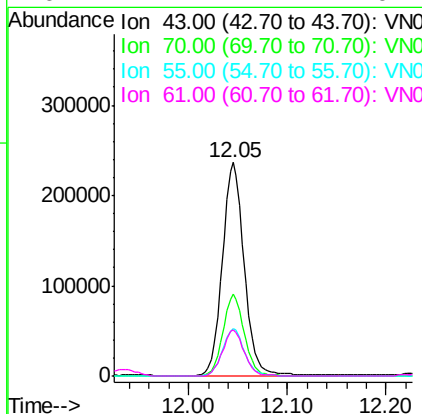
Manual Integrations
APPROVED

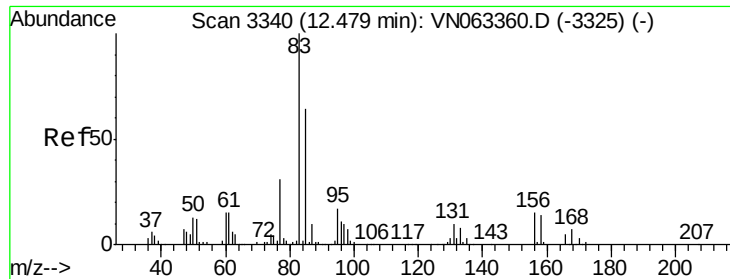
MMDadoda
9/18/2020 2:45:31 PM



#74
N-ethyl acetate
Concen: 46.126 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.8	29.6	44.4
55	22.5	17.7	26.5
61	21.7	17.4	26.2





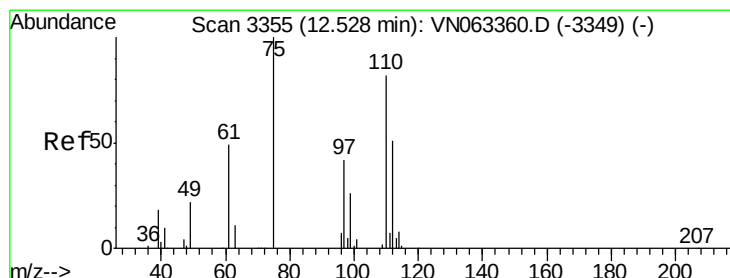
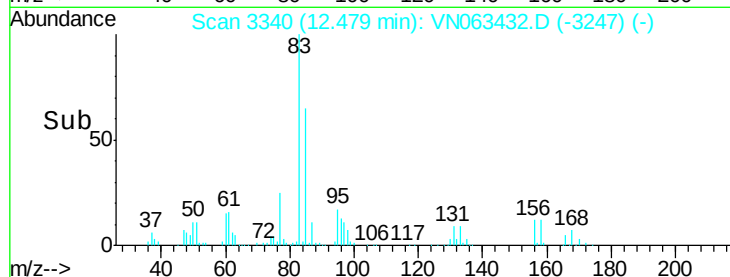
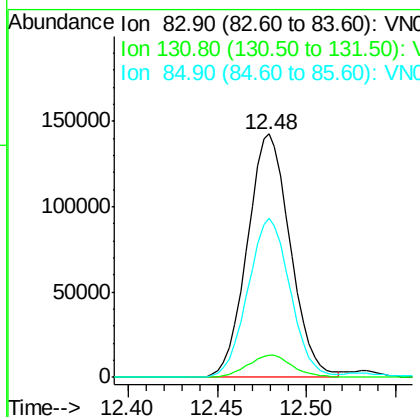
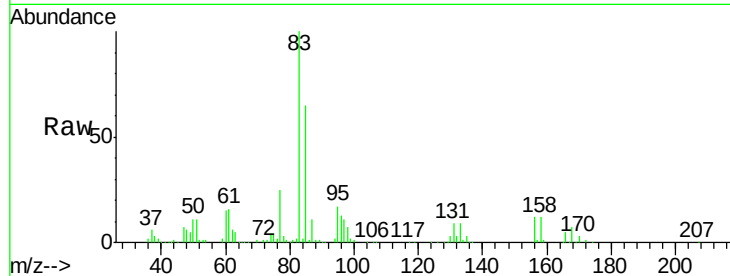
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.054 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	239877		
131	9.5	4.9	14.7	
85	64.4	32.0	96.0	

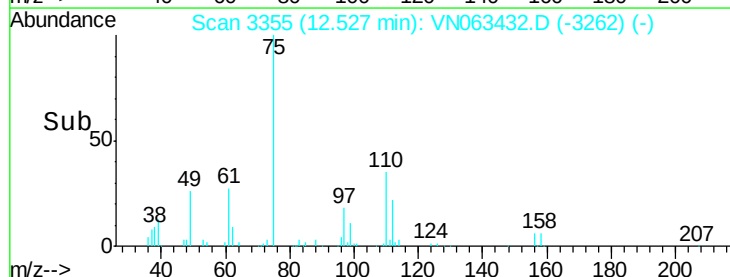
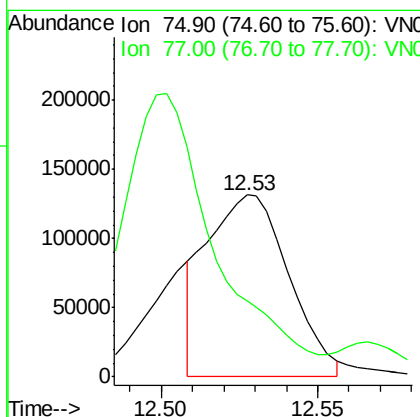
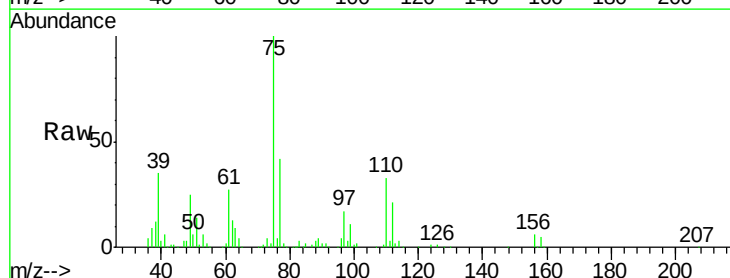
Manual Integrations
 APPROVED

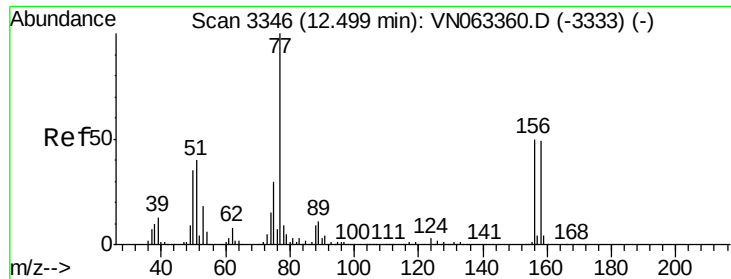
MMDadoda
 9/18/2020 2:45:31 PM



#76
 1,2,3-Trichloropropane
 Concen: 46.218 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	240141		
77	0.0	0.0	0.0	





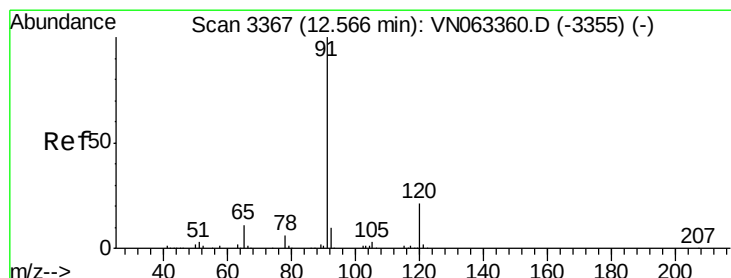
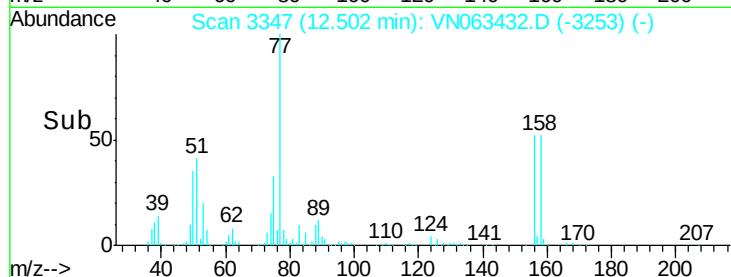
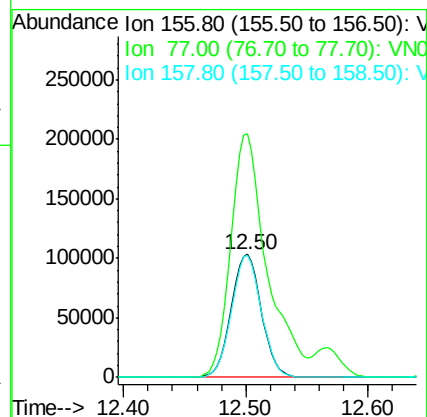
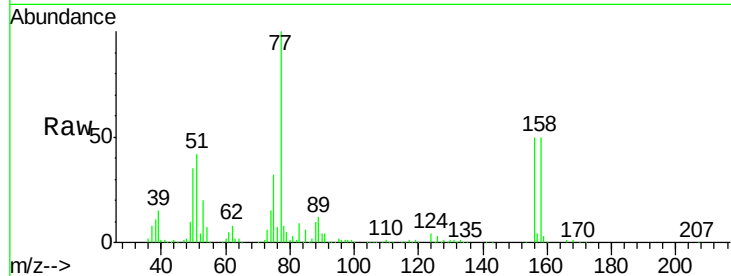
#77
Bromobenzene
Concen: 47.361 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	236.7	120.2	360.6	
158	98.3	48.9	146.6	

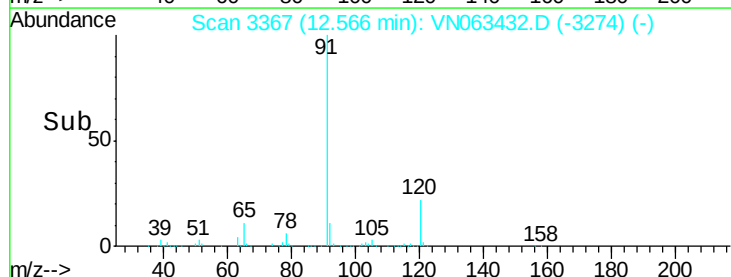
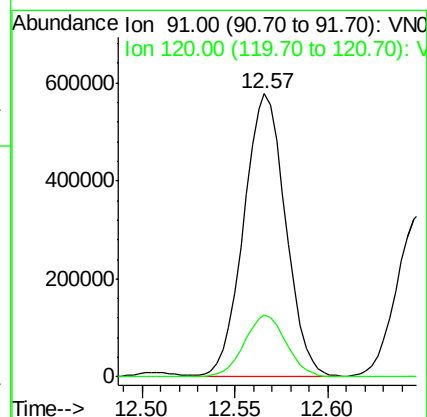
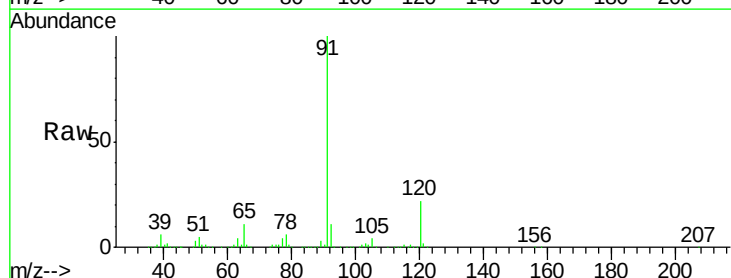
Manual Integrations
APPROVED

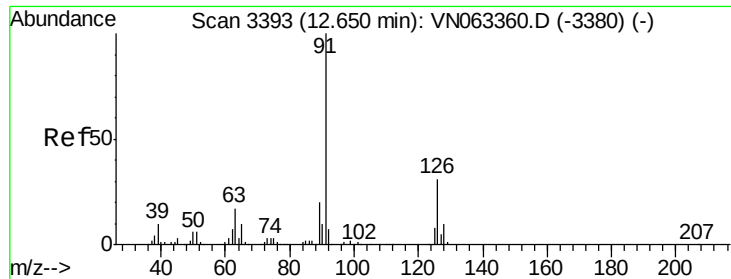
MMDadoda
9/18/2020 2:45:31 PM



#78
n-propylbenzene
Concen: 45.793 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.0	10.8	32.3	





#79

2-Chlorotoluene

Concen: 46.464 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 545714

Ion Ratio Lower Upper

91 100

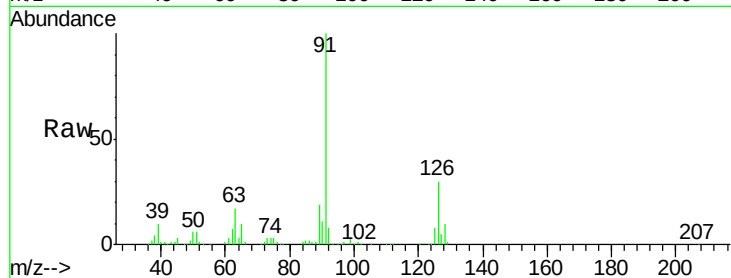
126 30.3 15.8 47.3

Manual Integrations

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

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

600000

500000

400000

300000

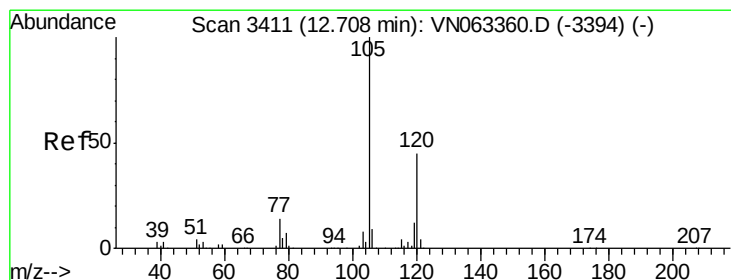
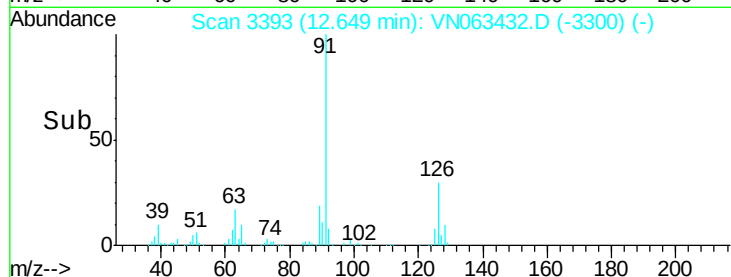
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.956 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063432.D

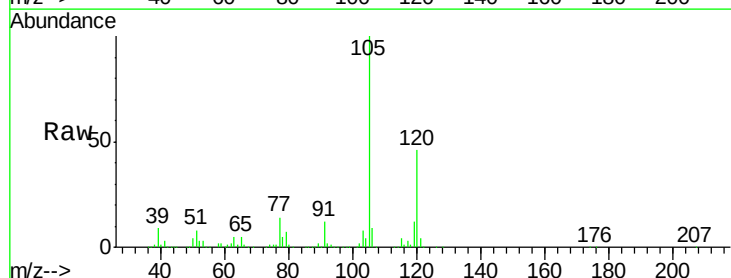
Acq: 17 Sep 2020 20:24

Tgt Ion: 105 Resp: 658667

Ion Ratio Lower Upper

105 100

120 46.1 22.9 68.8



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

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

400000

300000

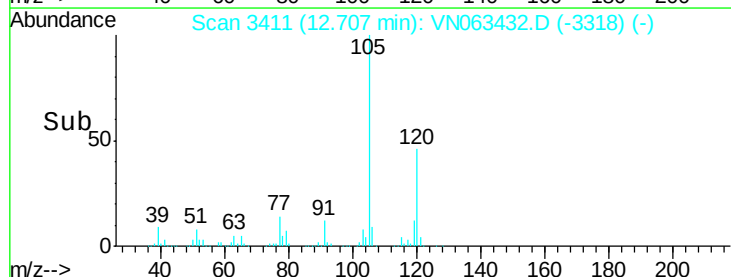
200000

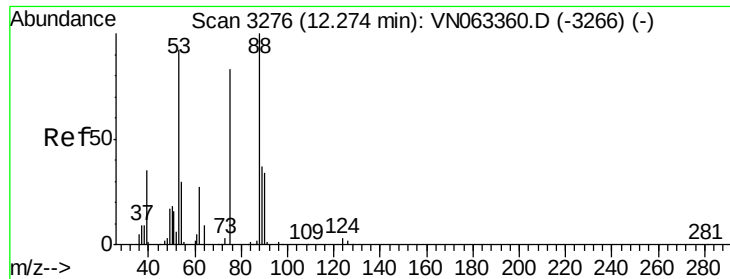
100000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 43.857 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 83116

Ion Ratio Lower Upper

75 100

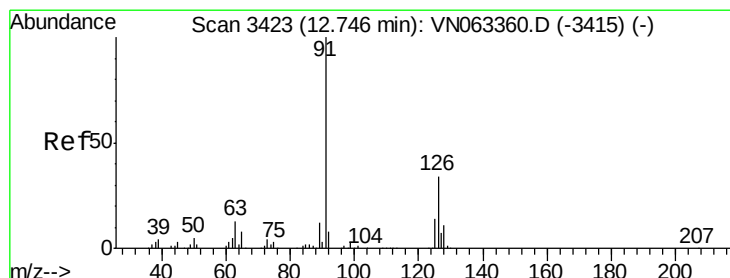
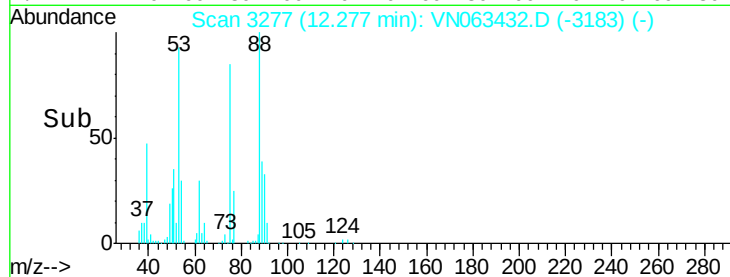
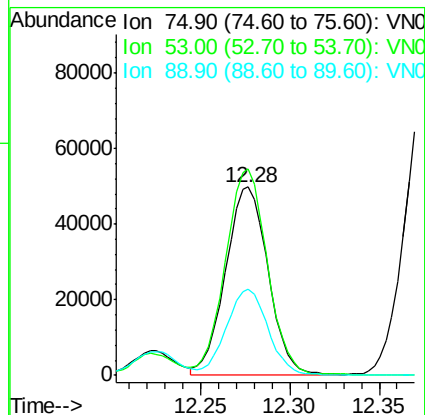
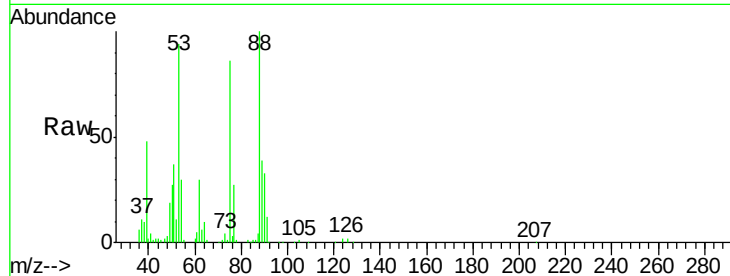
53 105.4 85.7 128.5

89 44.4 38.0 57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.154 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063432.D

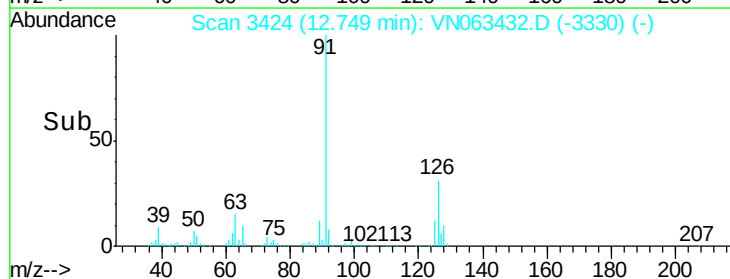
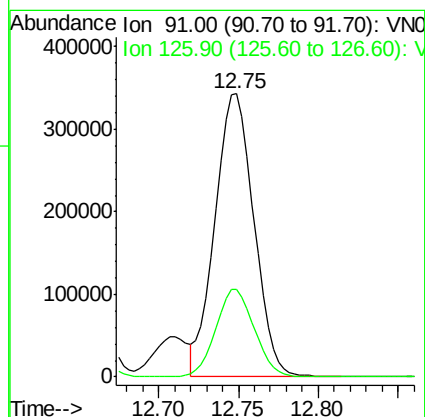
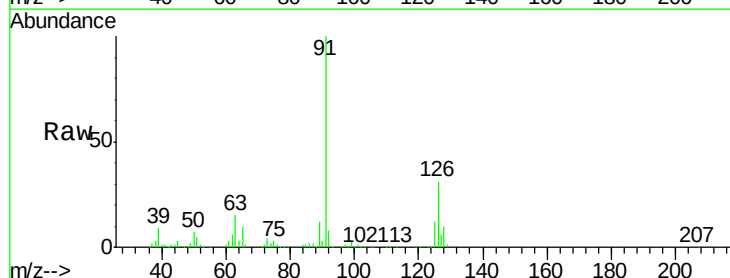
Acq: 17 Sep 2020 20:24

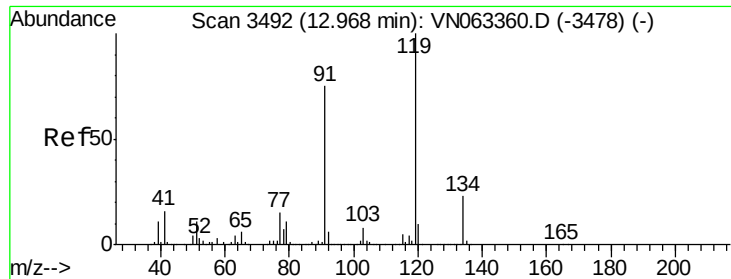
Tgt Ion: 91 Resp: 572748

Ion Ratio Lower Upper

91 100

126 30.8 15.5 46.5





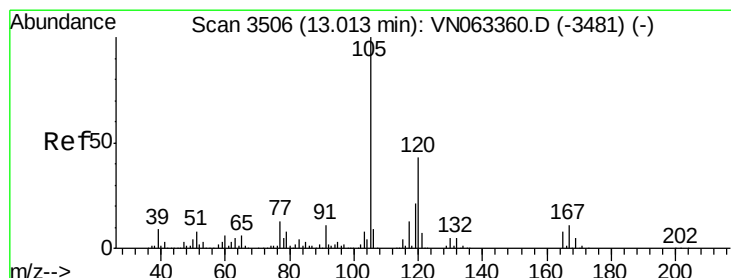
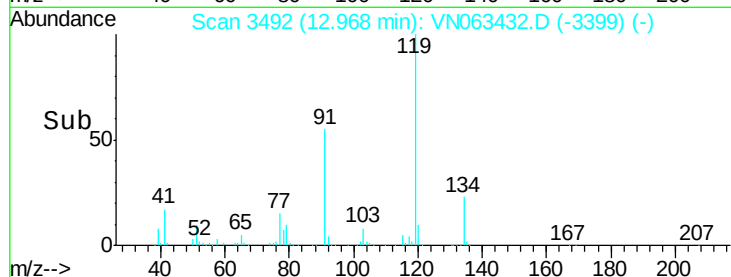
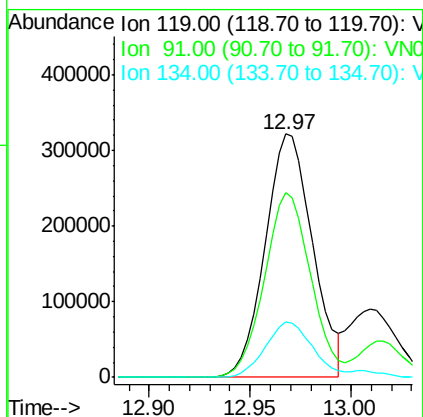
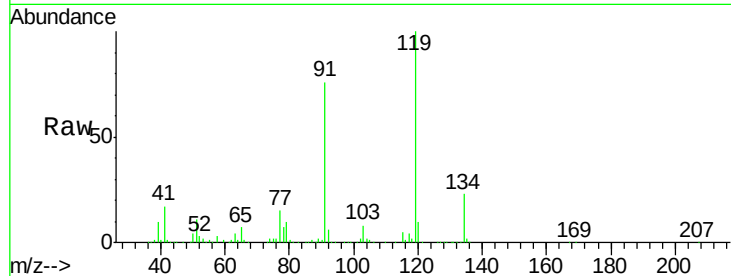
#83
 tert-Butylbenzene
 Concen: 45.329 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.7	36.3	108.9
134	22.7	12.3	36.8

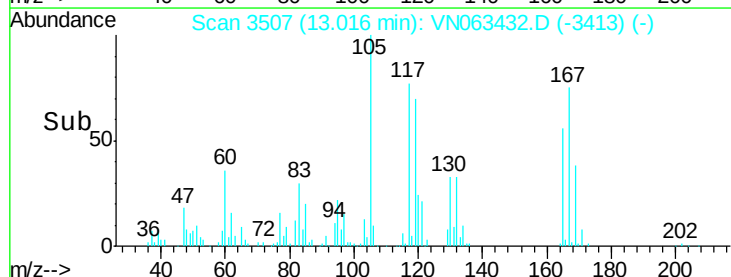
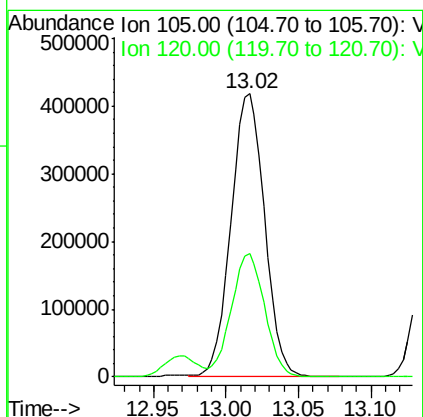
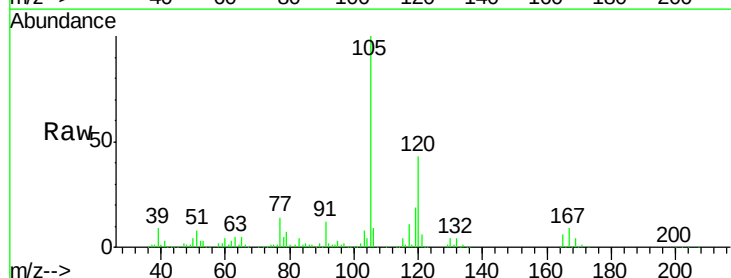
Manual Integrations
 APPROVED

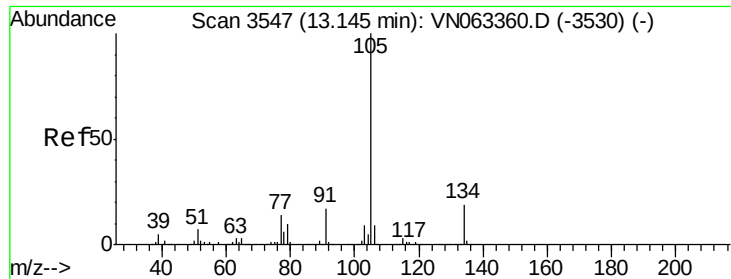
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.262 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.3	63.9





#85

sec-Butylbenzene

Concen: 46.028 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 713293

Ion Ratio Lower Upper

105 100

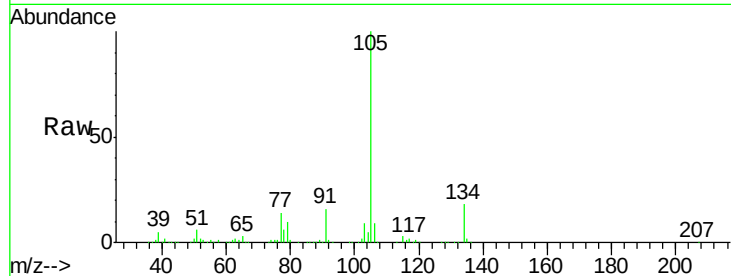
134 18.4 9.3 27.7

Manual Integrations

APPROVED

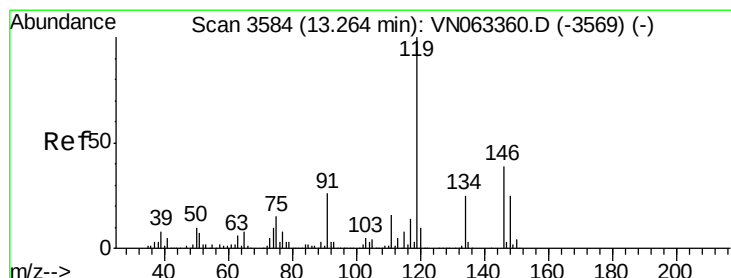
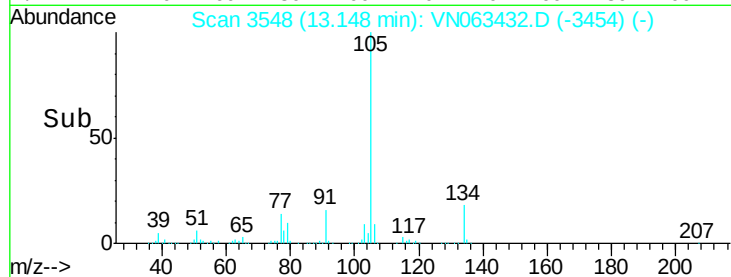
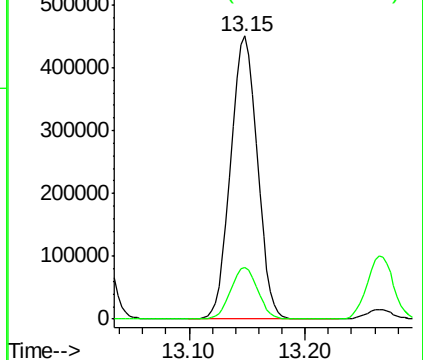
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.502 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

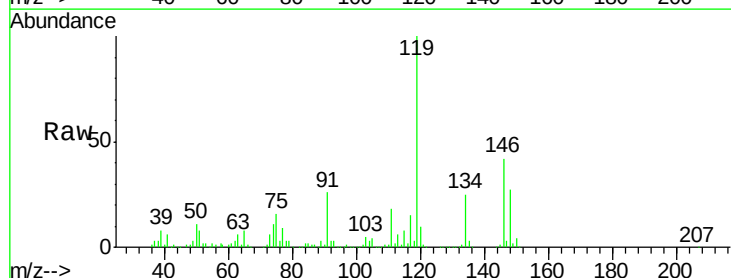
Tgt Ion:119 Resp: 635619

Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

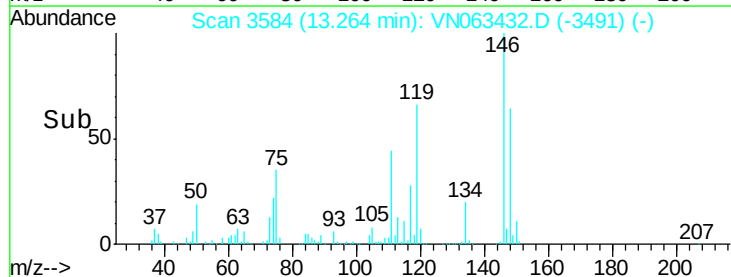
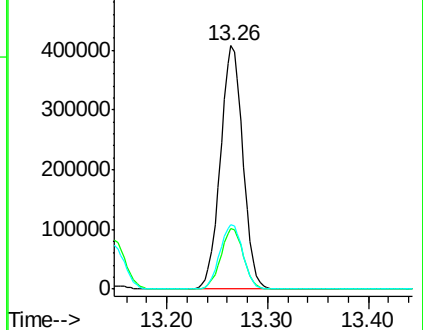
91 26.9 13.4 40.1

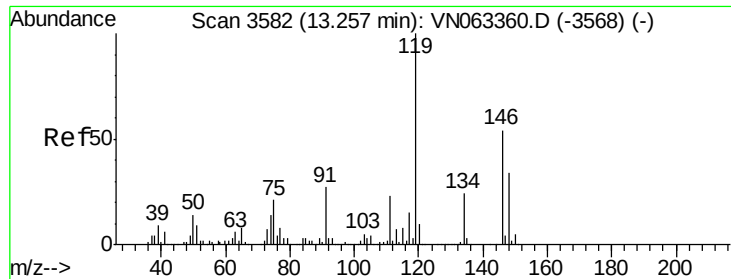


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





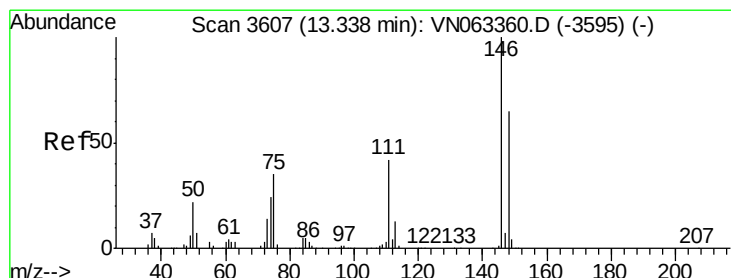
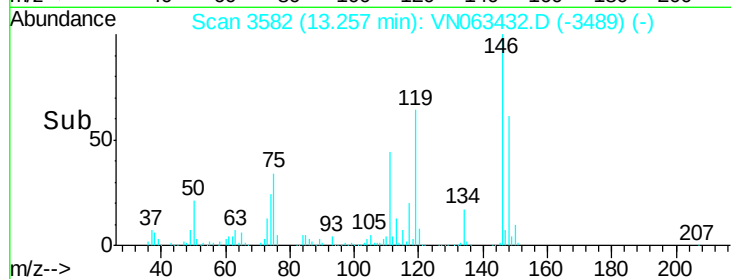
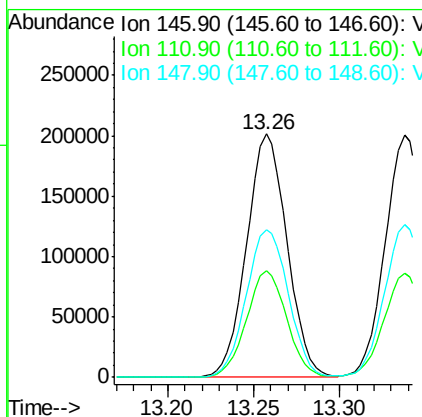
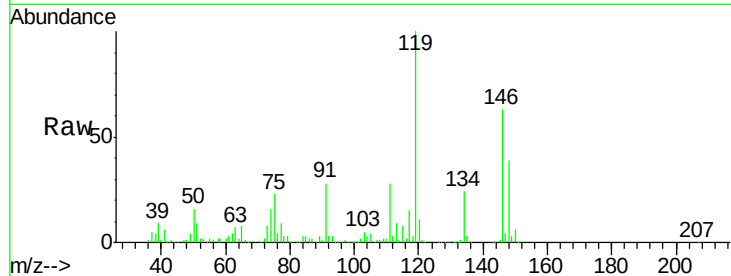
#87
 1,3-Dichlorobenzene
 Concen: 46.902 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	63.2	31.9	95.7

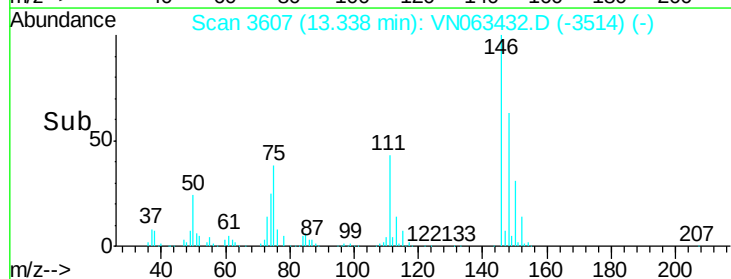
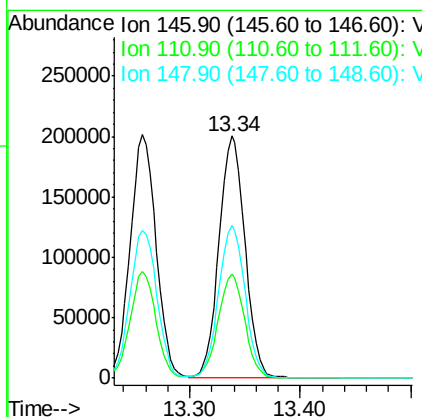
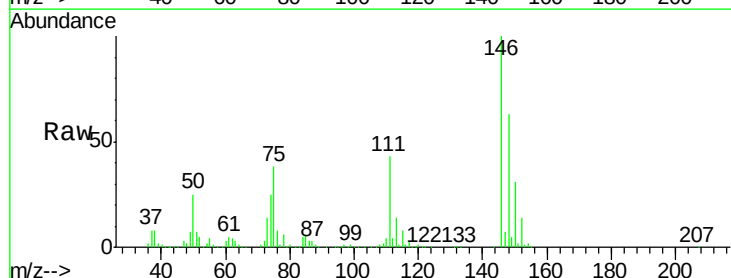
Manual Integrations
 APPROVED

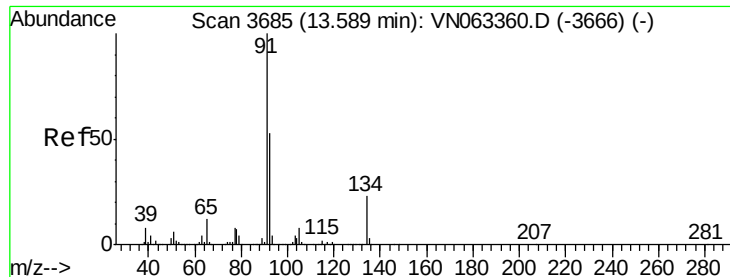
MMDadoda
 9/18/2020 2:45:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 45.949 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.2	63.6
148	63.7	31.9	95.9





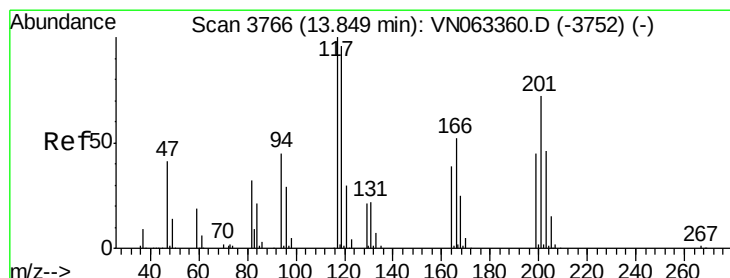
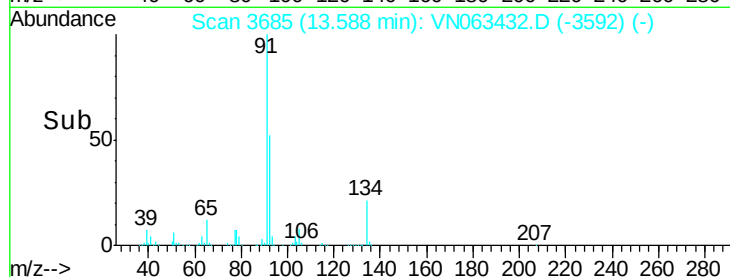
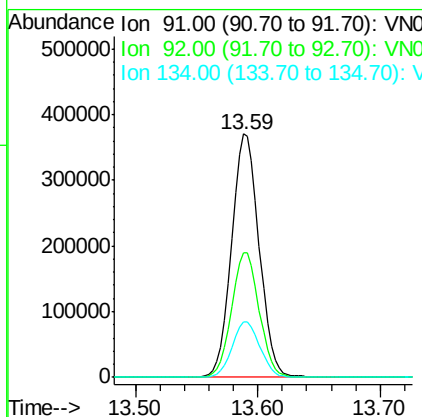
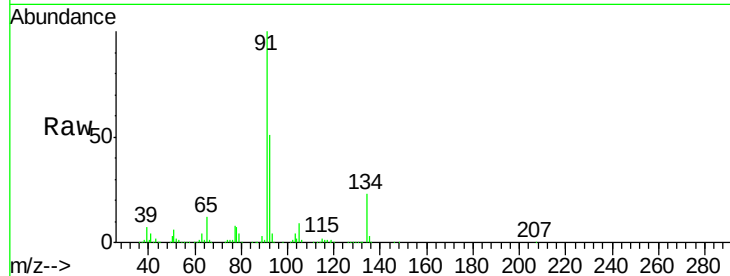
#89
n-Butylbenzene
Concen: 46.218 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		582297		
92	51.2	26.0	78.0		
134	23.0	11.7	35.0		

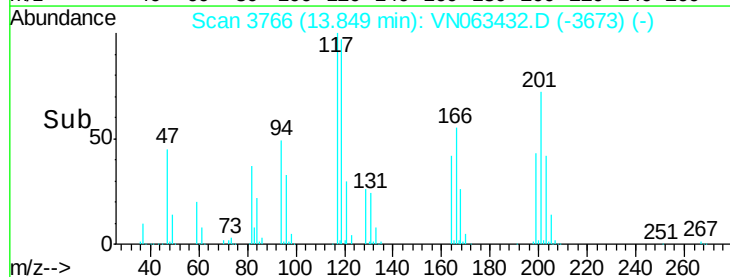
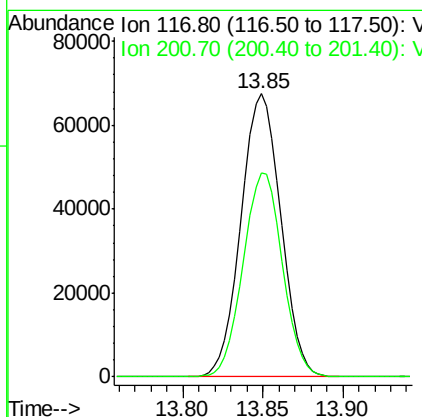
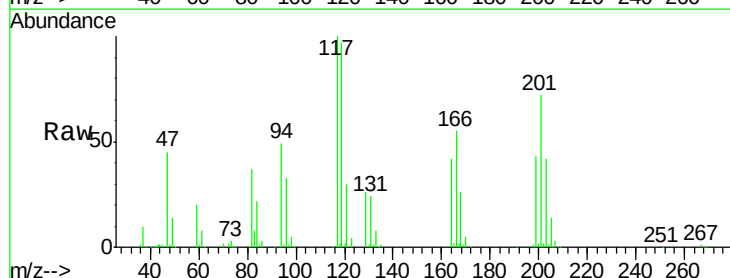
Manual Integrations
APPROVED

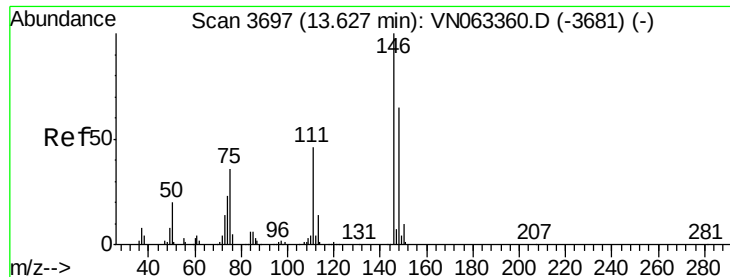
MMDadoda
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#90
Hexachloroethane
Concen: 44.097 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063432.D
Acq: 17 Sep 2020 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		114772		
201	71.0	35.5	106.7		





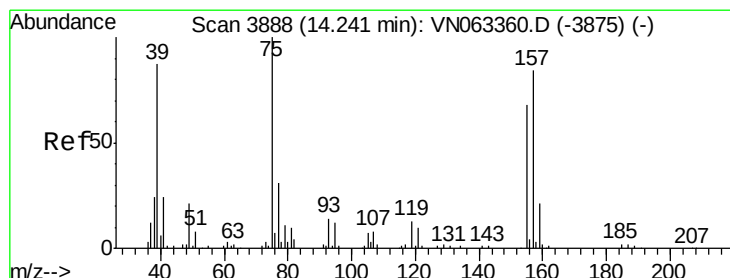
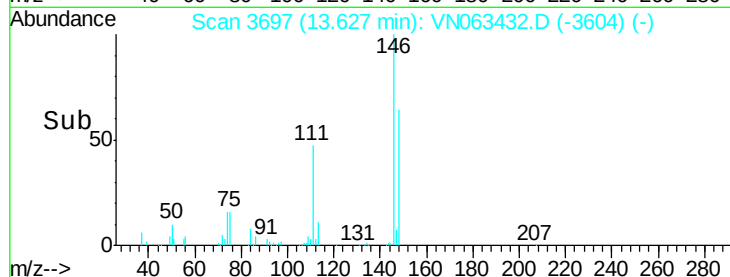
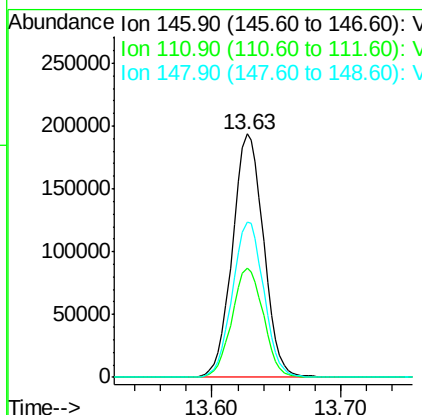
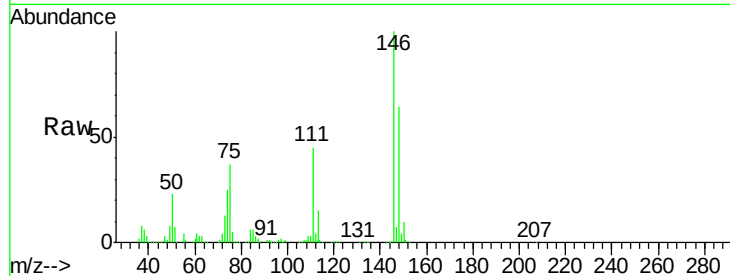
#91
 1,2-Dichlorobenzene
 Concen: 47.231 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.4	67.2
148	64.3	32.0	96.0

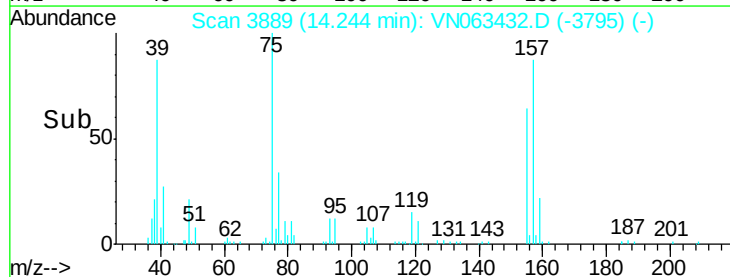
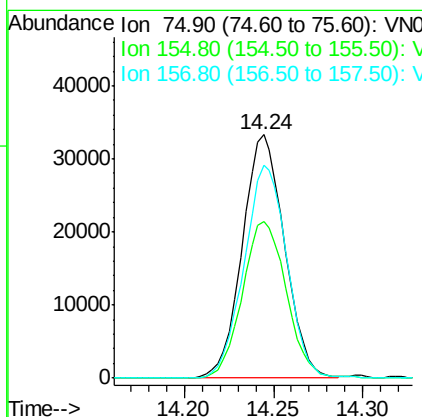
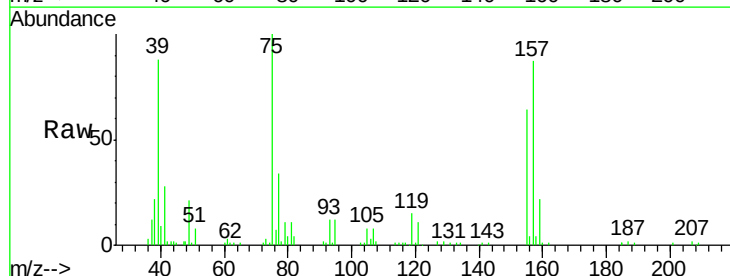
Manual Integrations
 APPROVED

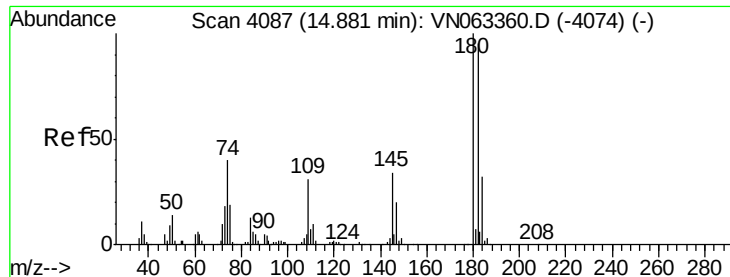
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 9/18/2020 2:45:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.450 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.9	34.6	103.9
157	88.7	43.7	131.1





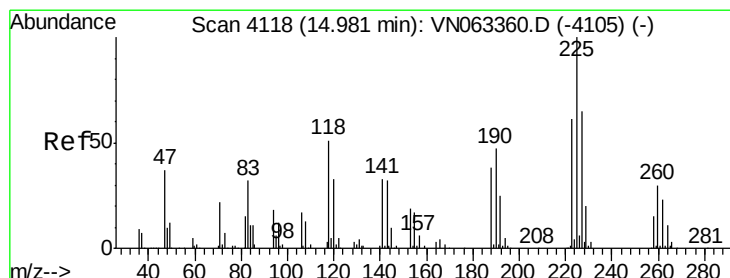
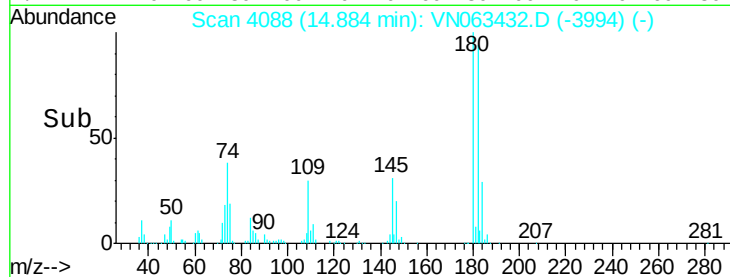
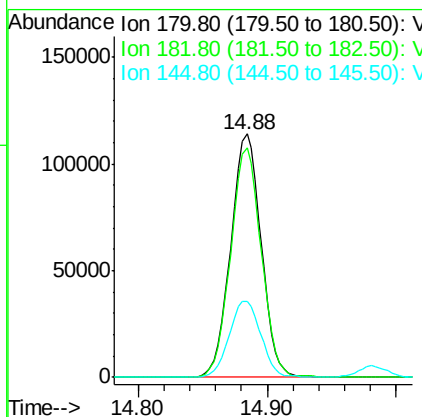
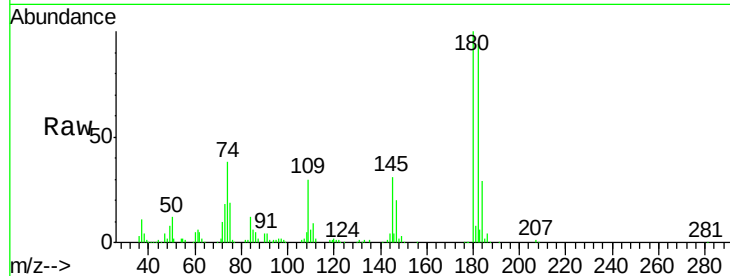
#93
 1,2,4-Trichlorobenzene
 Concen: 46.060 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186973		
182	94.9	47.3	142.0	
145	32.5	16.6	49.7	

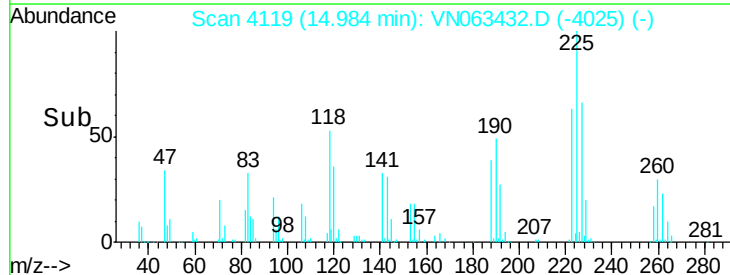
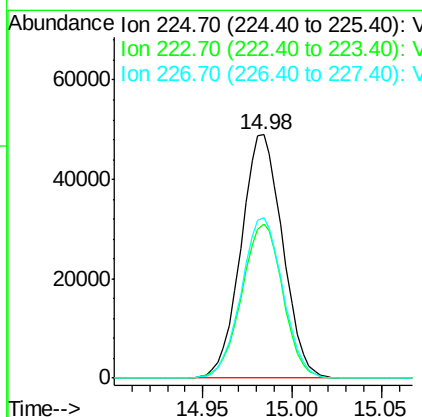
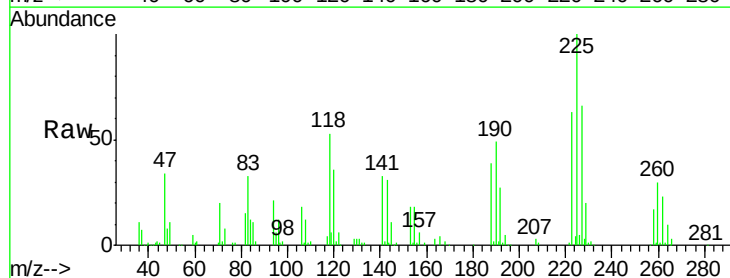
Manual Integrations
 APPROVED

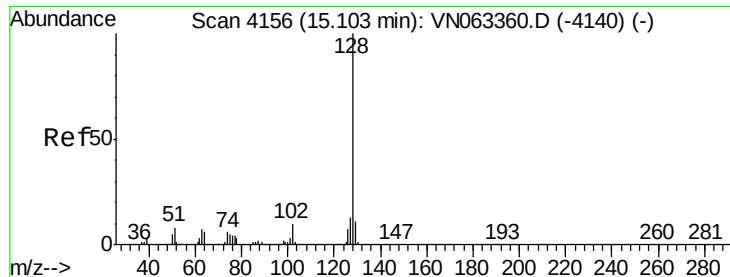
MMDadoda
 9/18/2020 2:45:31 PM



#94
 Hexachlorobutadiene
 Concen: 47.539 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063432.D
 Acq: 17 Sep 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79890		
223	62.7	30.6	91.6	
227	65.8	31.2	93.6	





#95

Naphthalene

Concen: 45.915 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Instrument :

MSVOA_N

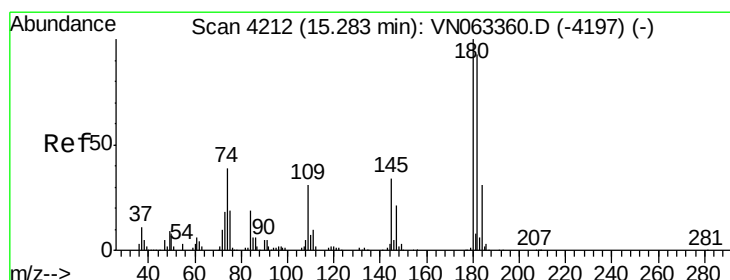
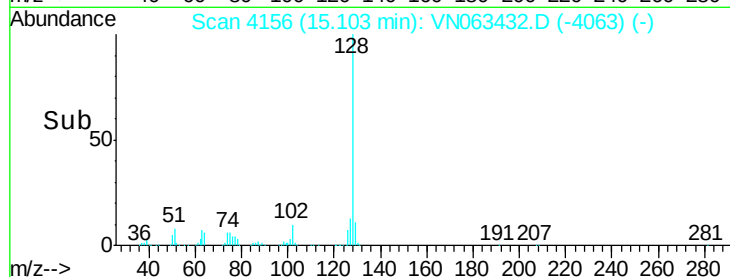
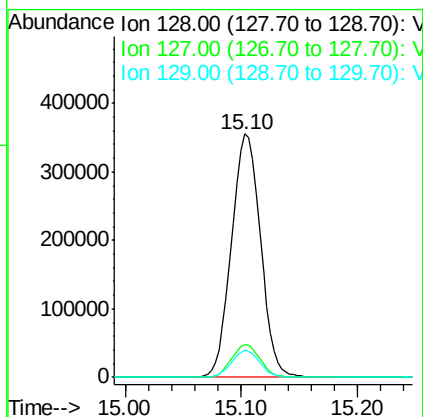
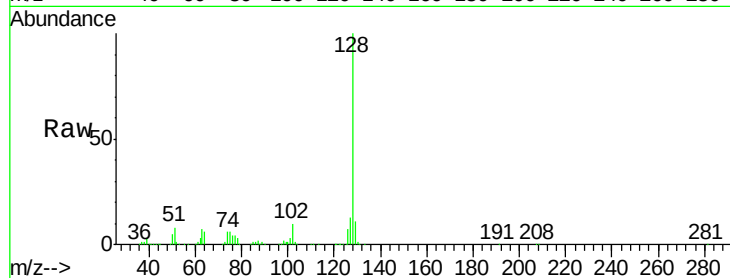
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	615782
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 2:45:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.276 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063432.D

Acq: 17 Sep 2020 20:24

Tgt Ion:	180	Resp:	177581
Ion Ratio	Lower	Upper	
180	100		
182	94.5	46.7	140.1
145	33.7	16.8	50.3

