

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064004.D
 Acq On : 8 Oct 2020 20:29
 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
 10/9/2020 4:32:27 PM

Quant Time: Oct 09 06:52:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	291292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	487414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	461186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	221805	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	222270	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
35) Dibromofluoromethane	7.55	113	157979	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
50) Toluene-d8	10.06	98	594251	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.38	95	223254	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	131246	42.701	ug/l	97
3) Chloromethane	2.04	50	177254	49.149	ug/l	97
4) Vinyl Chloride	2.16	62	169181	46.733	ug/l	99
5) Bromomethane	2.53	94	90836	39.891	ug/l	96
6) Chloroethane	2.67	64	107424	49.659	ug/l	99
7) Trichlorofluoromethane	2.98	101	272354	47.436	ug/l	98
8) Diethyl Ether	3.37	74	97844	50.389	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	142084	46.300	ug/l	96
10) Methyl Iodide	3.91	142	165736	46.514	ug/l	98
11) Tert butyl alcohol	4.73	59	144914	272.754	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	139989	47.725	ug/l	98
13) Acrolein	3.57	56	103042	316.001	ug/l	99
14) Allyl chloride	4.28	41	262821	48.229	ug/l	98
15) Acrylonitrile	4.93	53	424661	279.233	ug/l	100
16) Acetone	3.77	43	384352	259.453	ug/l	99
17) Carbon Disulfide	4.01	76	363557	45.915	ug/l	100
18) Methyl Acetate	4.28	43	222017	57.722	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	554740	52.055	ug/l	99
20) Methylene Chloride	4.50	84	170179	50.154	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	155077	47.200	ug/l	98
22) Diisopropyl ether	5.90	45	629289	56.127	ug/l	97
23) Vinyl Acetate	5.84	43	2536805	273.144	ug/l	100
24) 1,1-Dichloroethane	5.80	63	322085	50.242	ug/l	99
25) 2-Butanone	6.78	43	596180	283.861	ug/l	98
26) 2,2-Dichloropropane	6.78	77	245485	41.816	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	186831	49.444	ug/l	99
28) Bromochloromethane	7.15	49	168297	53.117	ug/l	96
29) Tetrahydrofuran	7.16	42	405232	287.679	ug/l	96
30) Chloroform	7.33	83	333339	49.870	ug/l	96
31) Cyclohexane	7.61	56	259802	46.502	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	298073	49.440	ug/l	98
36) 1,1-Dichloropropene	7.75	75	233473	47.281	ug/l	100
37) Ethyl Acetate	6.88	43	260068	53.011	ug/l	99
38) Carbon Tetrachloride	7.73	117	251786	45.472	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	223964	45.481	ug/l	100
40) Benzene	8.00	78	695613	49.320	ug/l	99
41) Methacrylonitrile	7.12	41	117477	53.879	ug/l	95
42) 1,2-Dichloroethane	8.09	62	282409	46.908	ug/l	100
43) Isopropyl Acetate	8.13	43	433514	53.572	ug/l	99
44) Trichloroethene	8.80	130	173024	46.821	ug/l	100
45) 1,2-Dichloropropane	9.08	63	196186	51.505	ug/l	99
46) Dibromomethane	9.18	93	124502	47.381	ug/l	98
47) Bromodichloromethane	9.37	83	267621	49.417	ug/l	97
48) Methyl methacrylate	9.16	41	220153	55.065	ug/l	91
49) 1,4-Dioxane	9.17	88	59120	1040.463	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1329830	280.032	ug/l	99
52) Toluene	10.13	92	438785	50.297	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	286321	49.322	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	302323	49.797	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	176786	50.531	ug/l	99
56) Ethyl methacrylate	10.40	69	274542	55.361	ug/l	94
57) 1,3-Dichloropropane	10.68	76	301017	50.856	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	688333	259.487	ug/l	99
59) 2-Hexanone	10.72	43	951246	269.648	ug/l	99
60) Dibromochloromethane	10.87	129	201468	49.447	ug/l	100
61) 1,2-Dibromoethane	10.98	107	180239	50.363	ug/l	98
64) Tetrachloroethene	10.60	164	158574	44.443	ug/l	99
65) Chlorobenzene	11.41	112	462657	48.905	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	179323	49.443	ug/l	98
67) Ethyl Benzene	11.48	91	846931	49.199	ug/l	100
68) m/p-Xylenes	11.59	106	619965	96.631	ug/l	98
69) o-Xylene	11.92	106	297975	49.691	ug/l	100
70) Styrene	11.94	104	526118	51.686	ug/l	98
71) Bromoform	12.10	173	138643	49.982	ug/l #	99
73) Isopropylbenzene	12.22	105	802868	49.626	ug/l	99
74) N-amyl acetate	12.05	43	450455	59.467	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.48	83	254011	51.345	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	232096m	47.469	ug/l	
77) Bromobenzene	12.50	156	203171	51.180	ug/l	96
78) n-propylbenzene	12.57	91	914644	48.578	ug/l	100
79) 2-Chlorotoluene	12.65	91	566998	48.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	678578	49.996	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	86867	51.169	ug/l	95
82) 4-Chlorotoluene	12.75	91	589398	49.031	ug/l	99
83) tert-Butylbenzene	12.97	119	550199	49.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	700945	51.726	ug/l	99
85) sec-Butylbenzene	13.15	105	711931	48.822	ug/l	100
86) p-Isopropyltoluene	13.26	119	640138	49.623	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	348792	48.566	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	352730	47.171	ug/l	99
89) n-Butylbenzene	13.59	91	546492	45.899	ug/l	99
90) Hexachloroethane	13.85	117	119637	47.860	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	348359	48.972	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55121	47.510	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	167271	43.479	ug/l	98
94) Hexachlorobutadiene	14.98	225	94060	48.770	ug/l	99
95) Naphthalene	15.10	128	602403	50.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	171561	45.865	ug/l	97

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

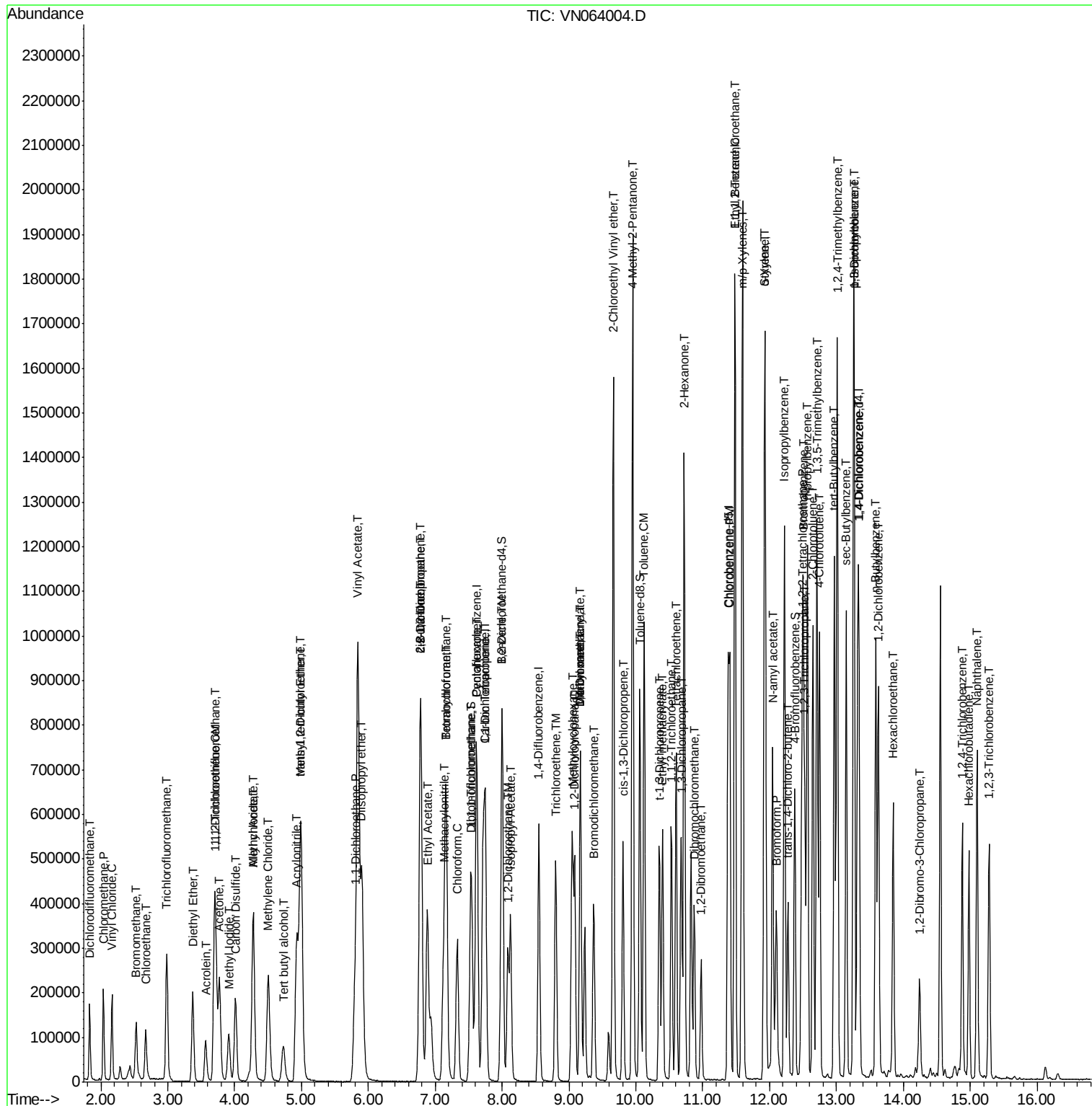
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 291292

Ion Ratio Lower Upper

168 100

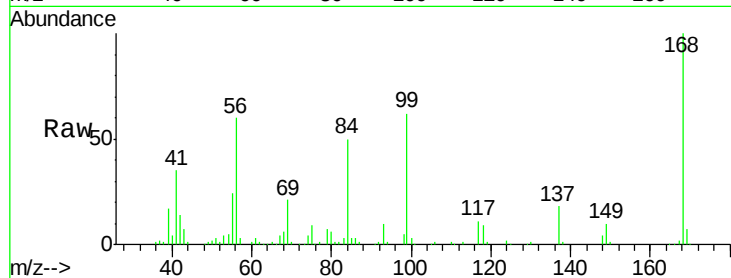
99 61.3 51.8 77.6

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

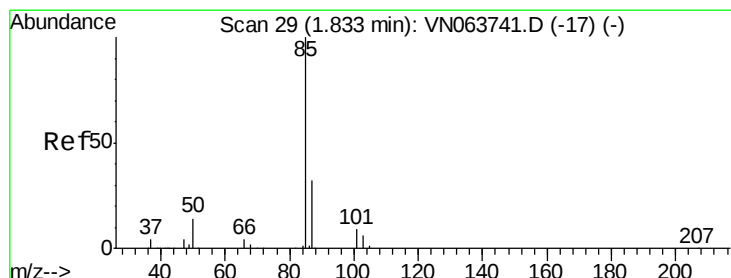
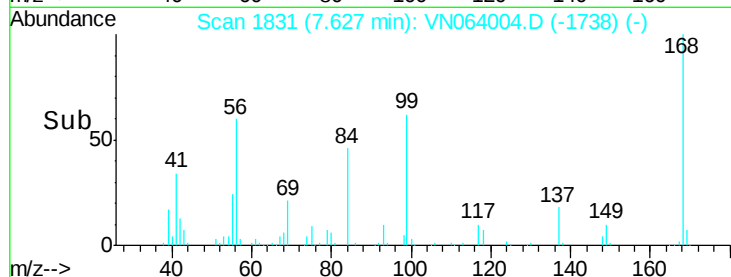
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 42.701 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064004.D

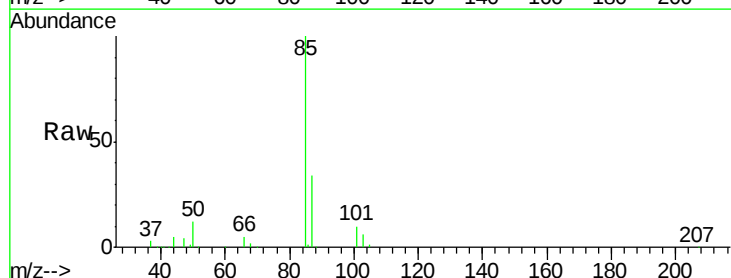
Acq: 8 Oct 2020 20:29

Tgt Ion: 85 Resp: 131246

Ion Ratio Lower Upper

85 100

87 33.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

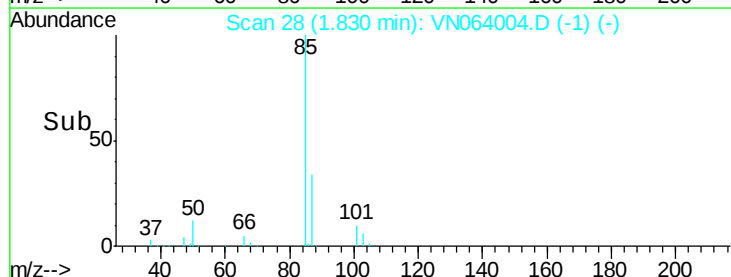
60000

40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 49.149 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 177254

Ion Ratio Lower Upper

50 100

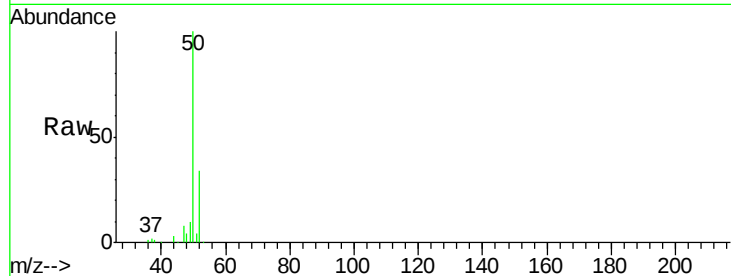
52 33.9 25.8 38.8

Manual Integrations

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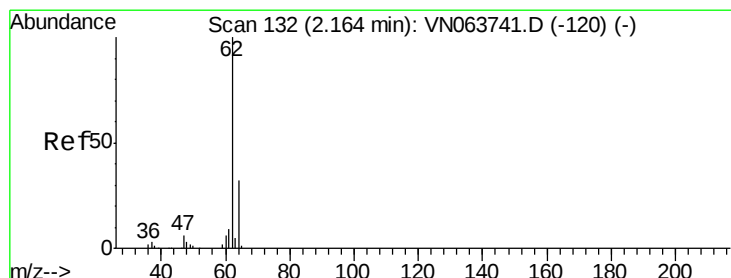
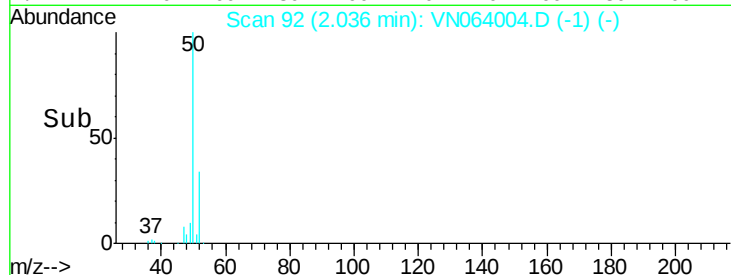
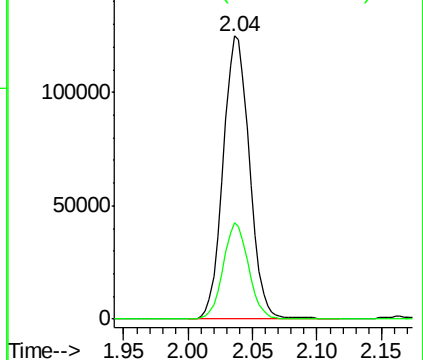
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.733 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064004.D

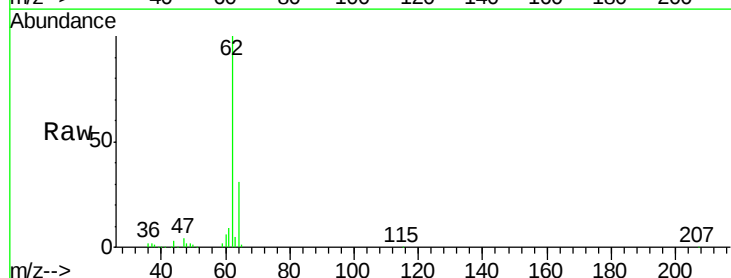
Acq: 8 Oct 2020 20:29

Tgt Ion: 62 Resp: 169181

Ion Ratio Lower Upper

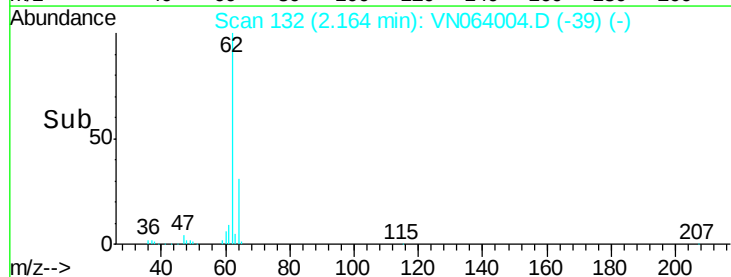
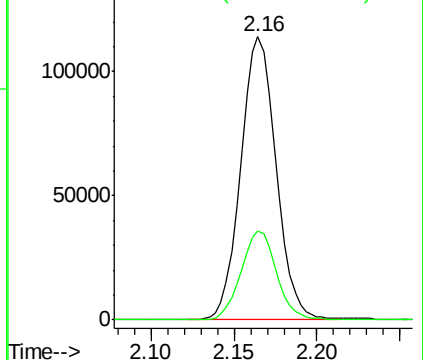
62 100

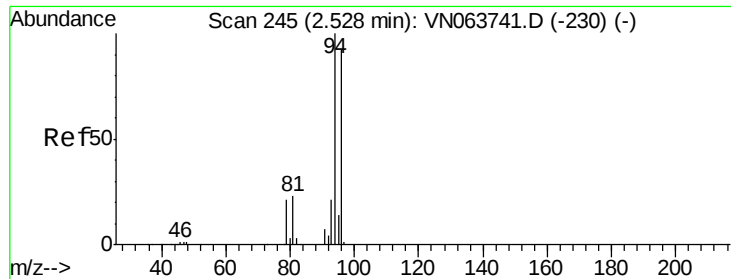
64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 39.891 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 90836

Ion Ratio Lower Upper

94 100

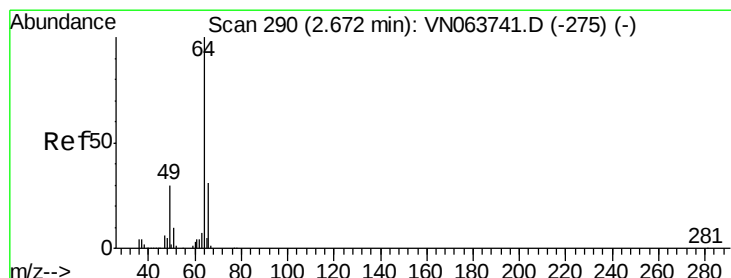
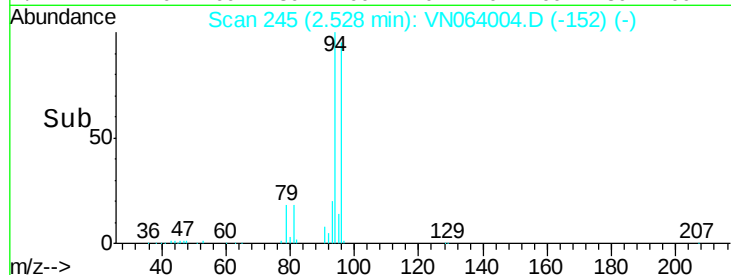
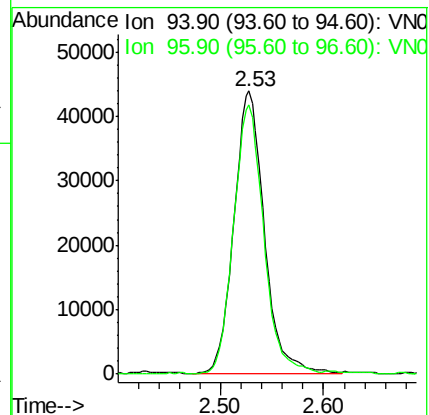
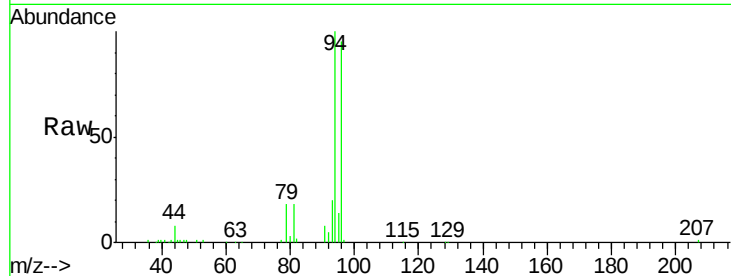
96 95.1 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 49.659 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN064004.D

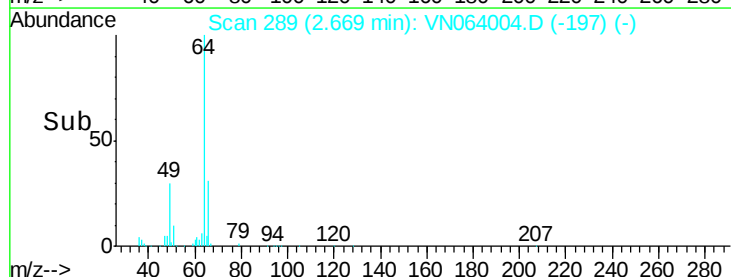
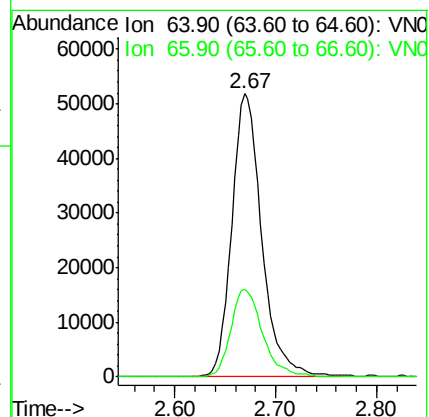
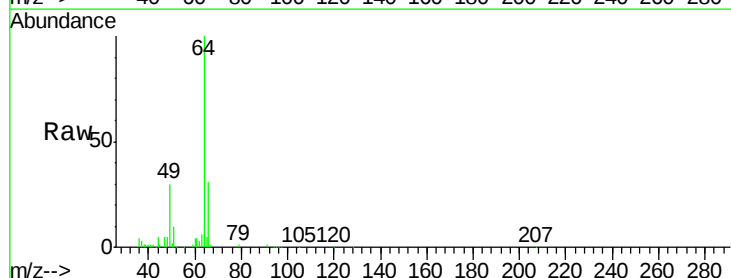
Acq: 8 Oct 2020 20:29

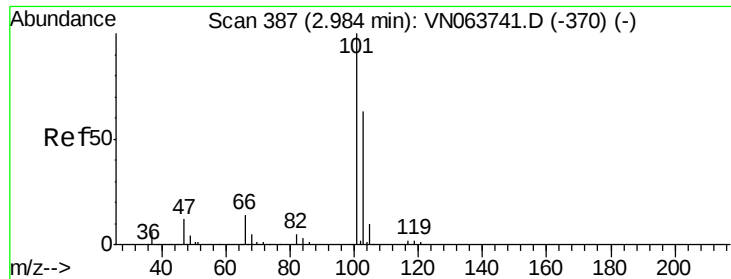
Tgt Ion: 64 Resp: 107424

Ion Ratio Lower Upper

64 100

66 30.9 25.1 37.7





#7

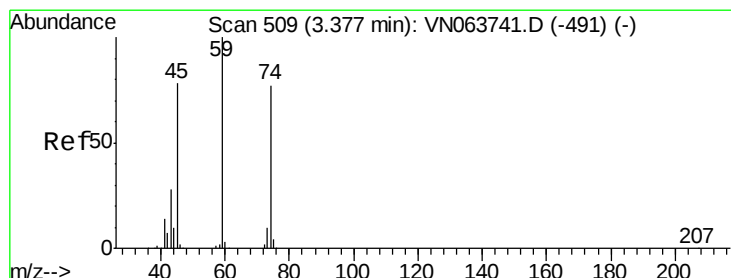
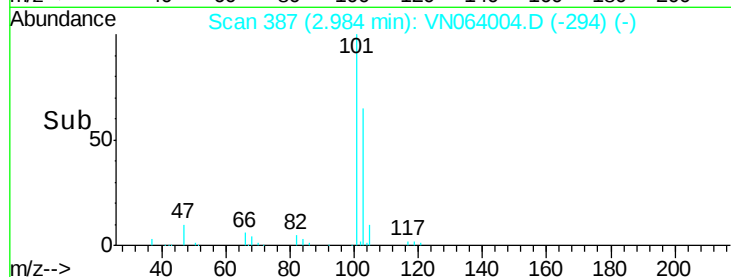
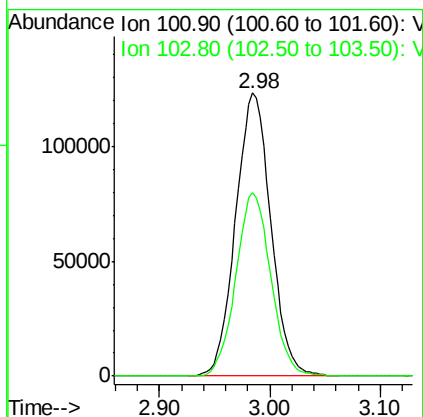
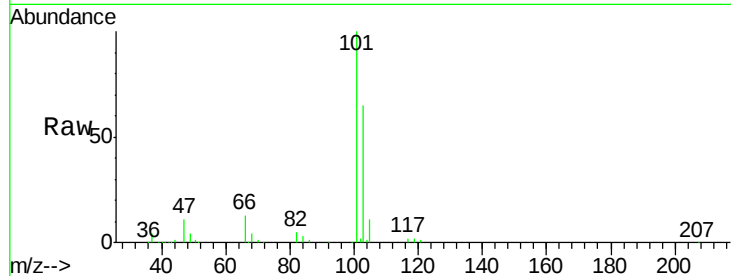
Trichlorofluoromethane
 Concen: 47.436 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.7	76.1

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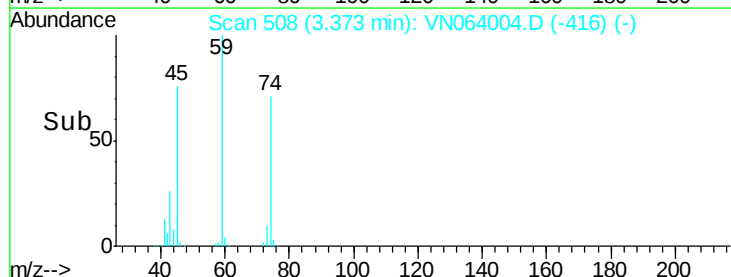
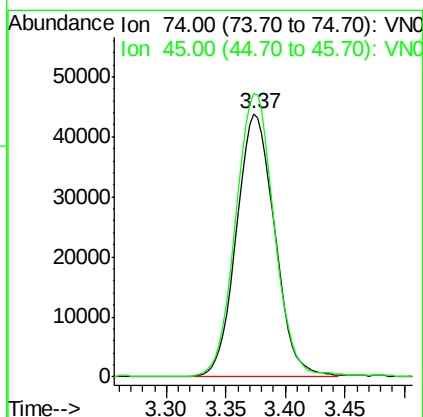
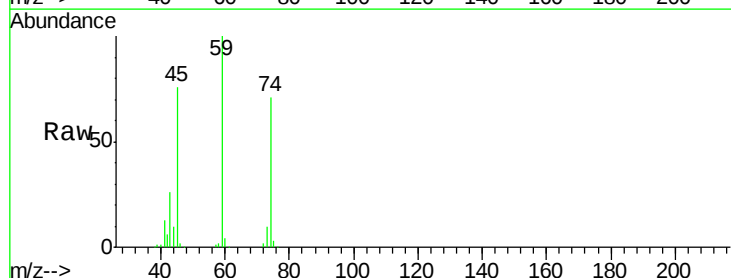
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 10/9/2020 4:32:27 PM



#8

Diethyl Ether
 Concen: 50.389 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.6	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.300 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

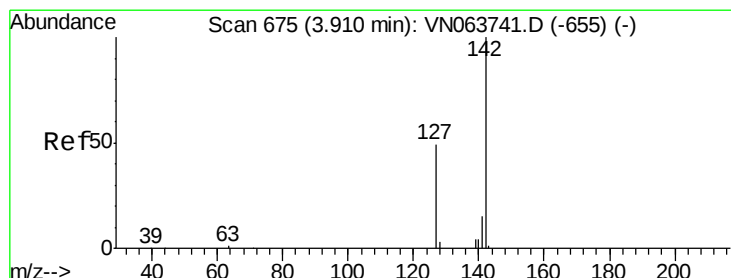
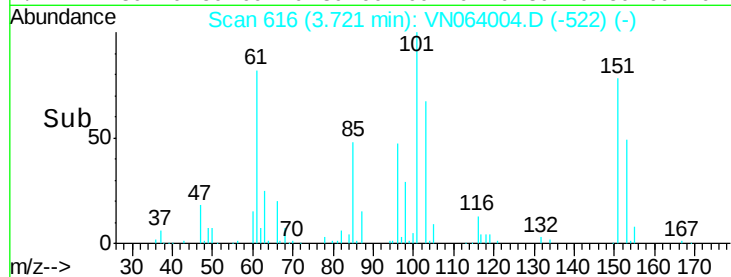
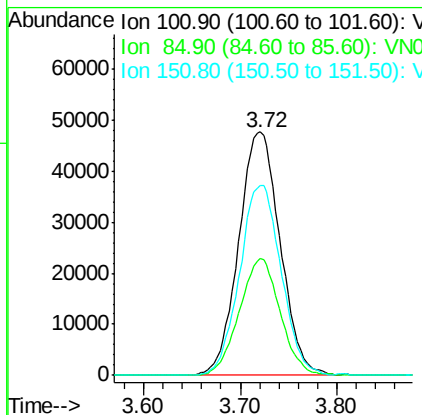
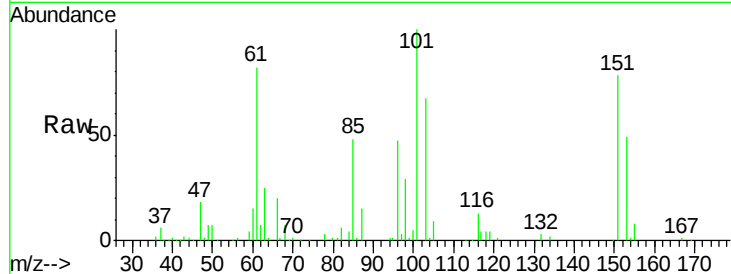
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	142084
Ion Ratio	Lower	Upper	
101	100		
85	47.0	38.6	58.0
151	78.2	58.7	88.1

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#10

Methyl Iodide

Concen: 46.514 ug/l

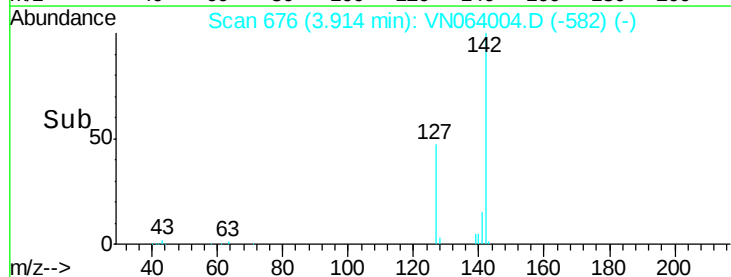
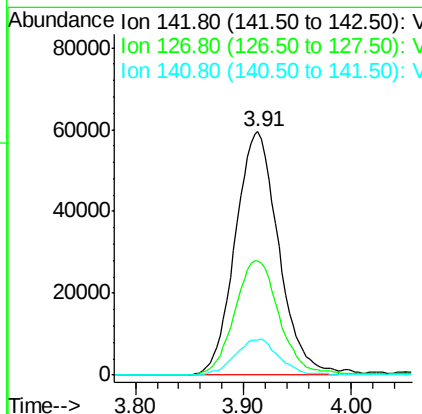
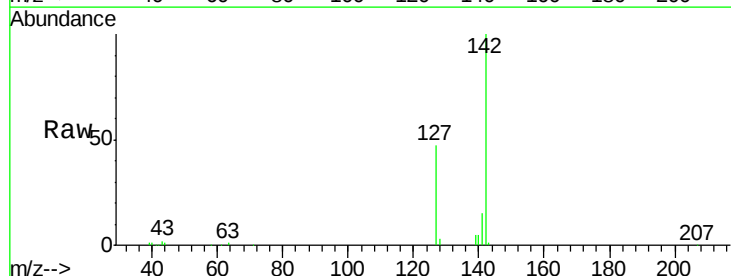
RT: 3.91 min Scan# 676

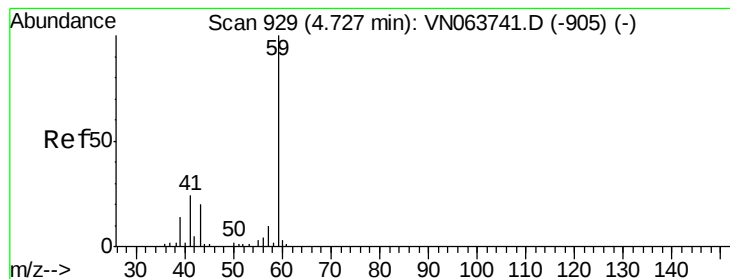
Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Tgt Ion:	142	Resp:	165736
Ion Ratio	Lower	Upper	
142	100		
127	48.6	40.5	60.7
141	15.0	11.7	17.5





#11

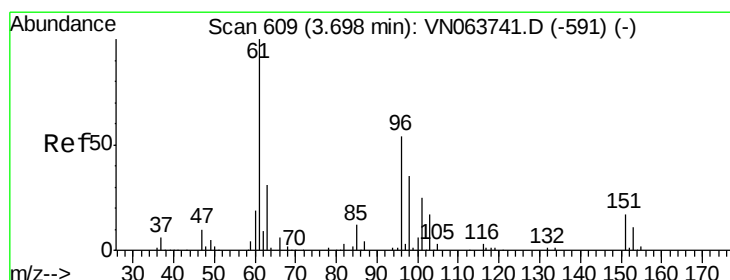
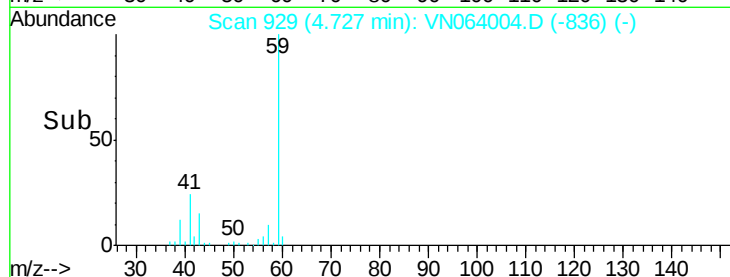
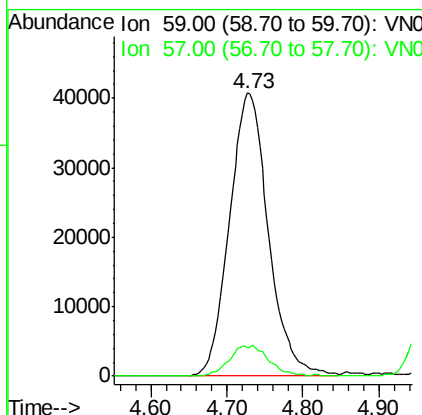
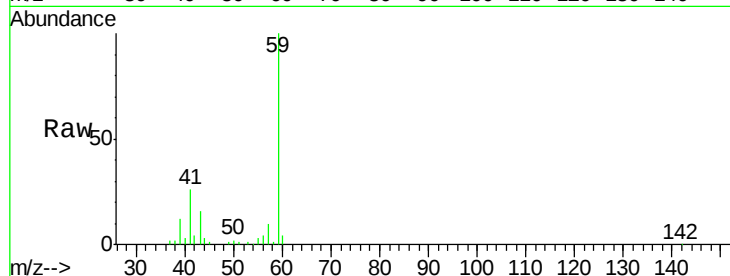
Tert butyl alcohol
Concen: 272.754 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 144914
Ion Ratio Lower Upper
59 100
57 5.3 8.7 13.1#

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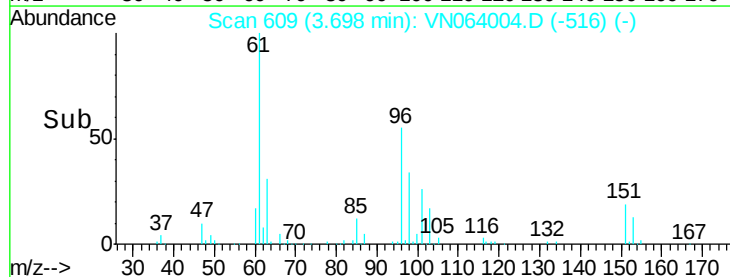
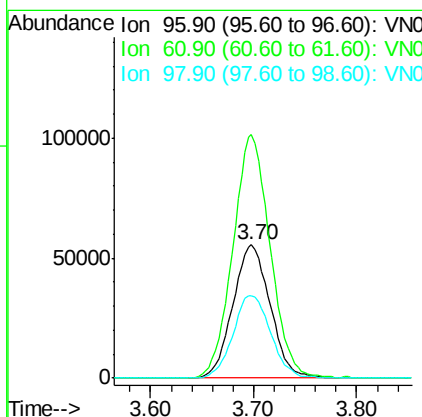
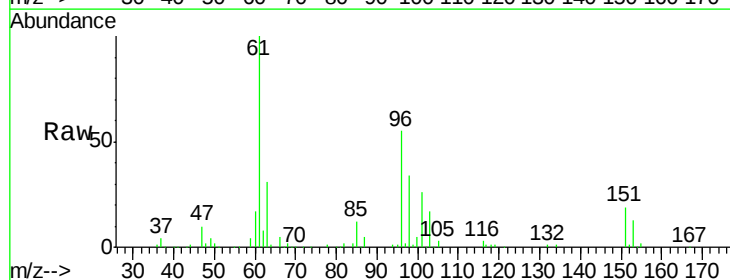
MMDadoda
10/9/2020 4:32:27 PM

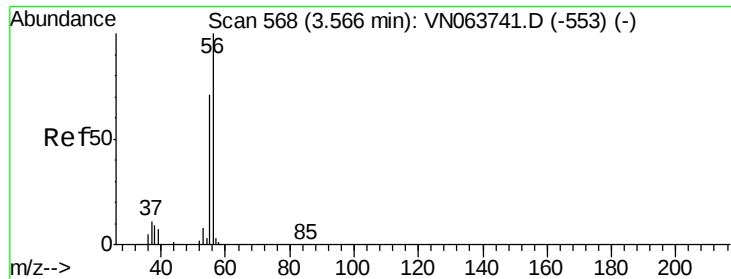


#12

1,1-Dichloroethene
Concen: 47.725 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion: 96 Resp: 139989
Ion Ratio Lower Upper
96 100
61 182.7 147.7 221.5
98 62.4 51.9 77.9





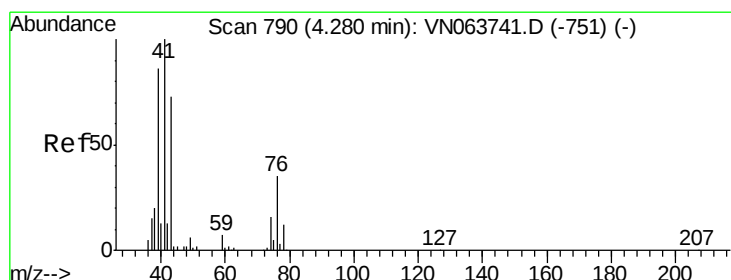
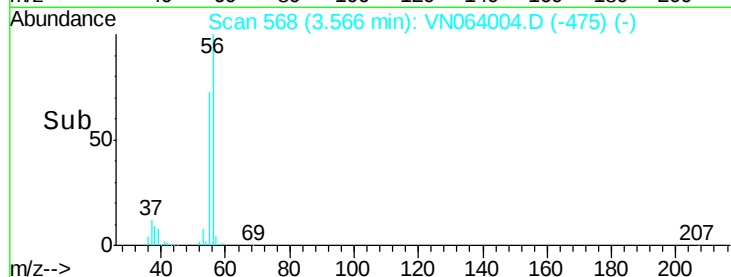
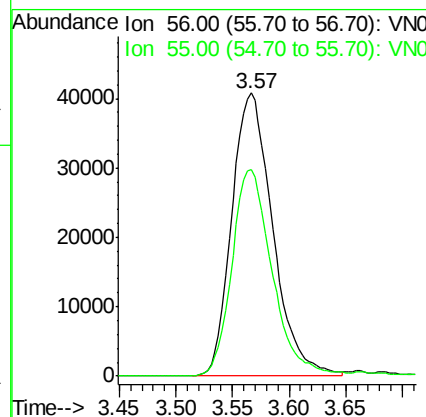
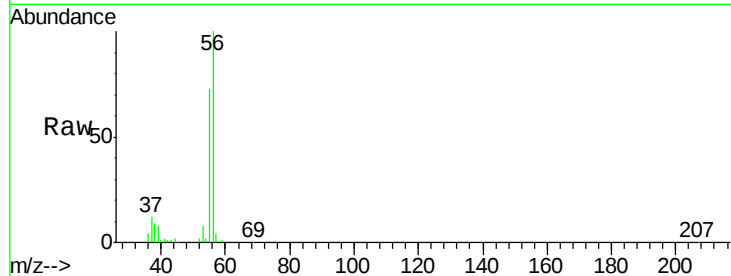
#13
 Acrolein
 Concen: 316.001 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	103042
Ion Ratio	Lower	Upper	
56	100		
55	71.6	56.9	85.3

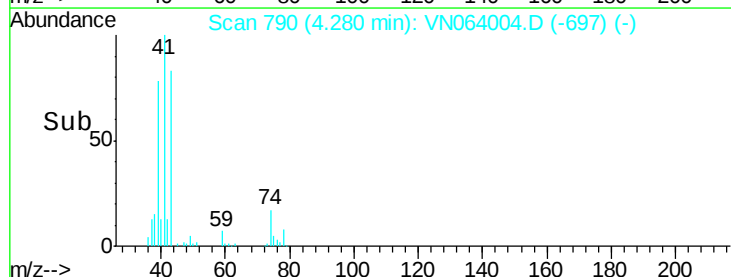
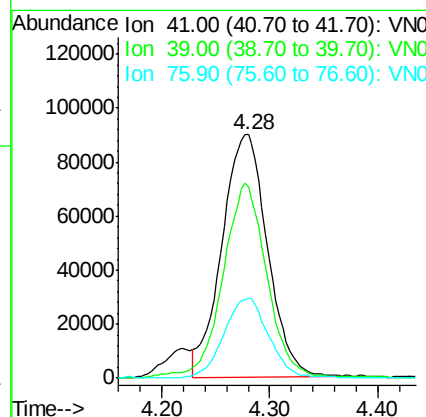
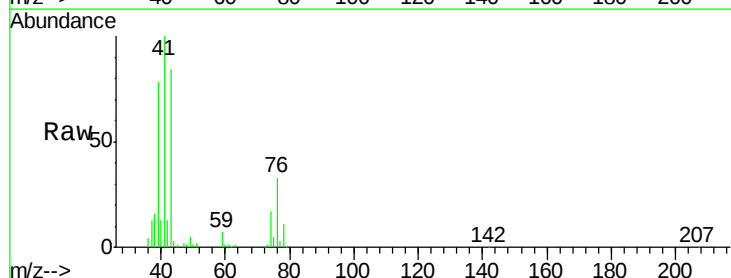
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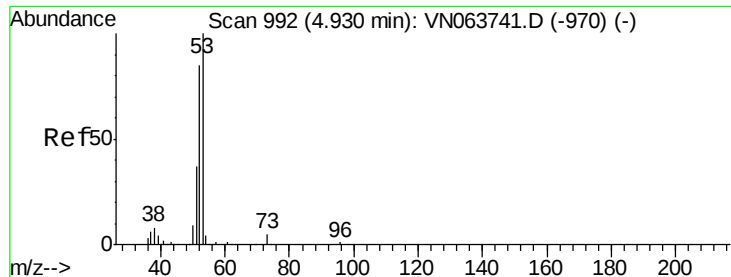
MMDadoda
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#14
 Allyl chloride
 Concen: 48.229 ug/l
 RT: 4.28 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	41	Resp	262821
Ion Ratio	Lower	Upper	
41	100		
39	77.9	64.5	96.7
76	31.9	25.9	38.9





#15

Acrylonitrile

Concen: 279.233 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

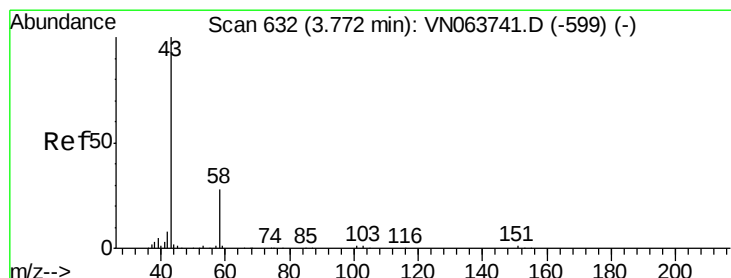
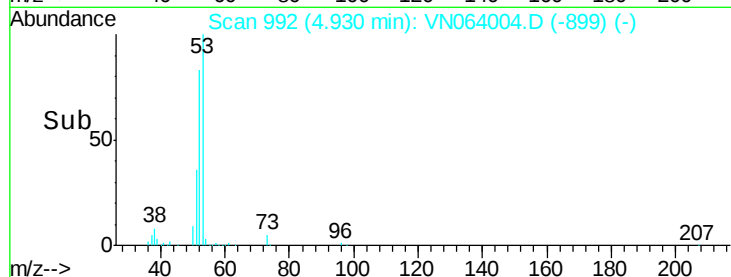
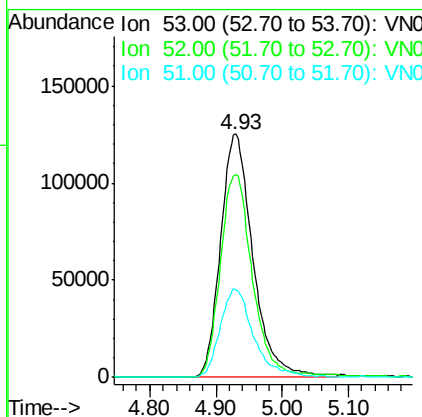
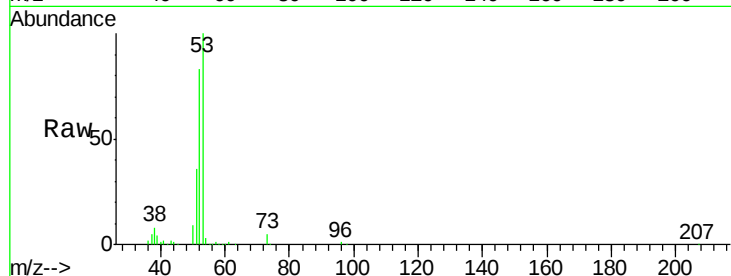
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	424661
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.5	99.7
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 259.453 ug/l

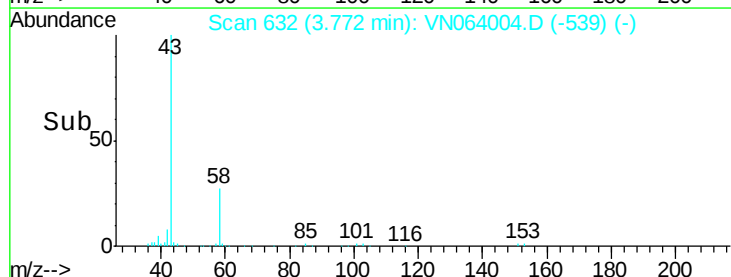
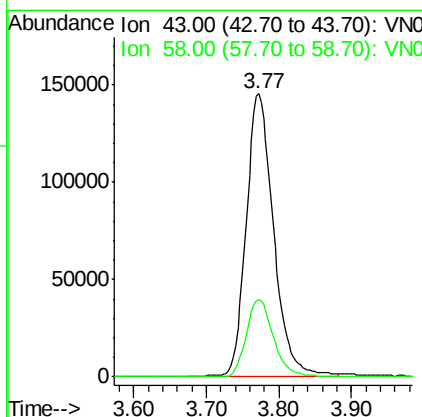
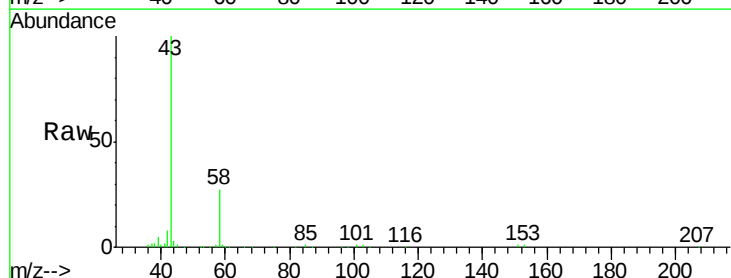
RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Tgt Ion:	43	Resp:	384352
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.3	33.5





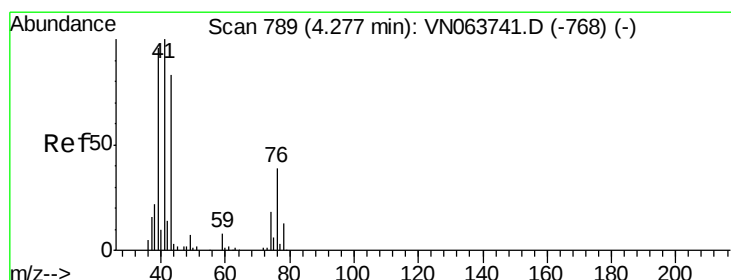
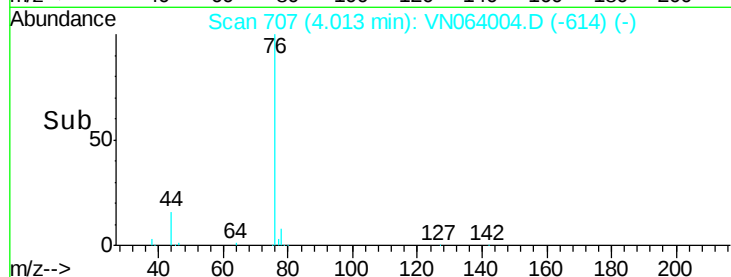
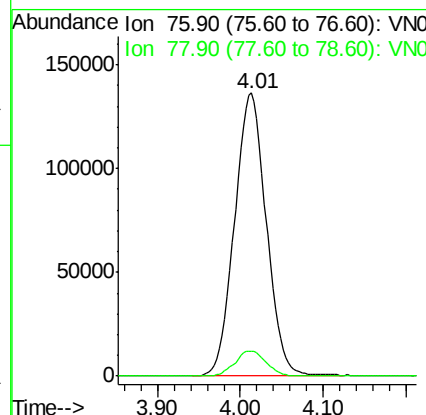
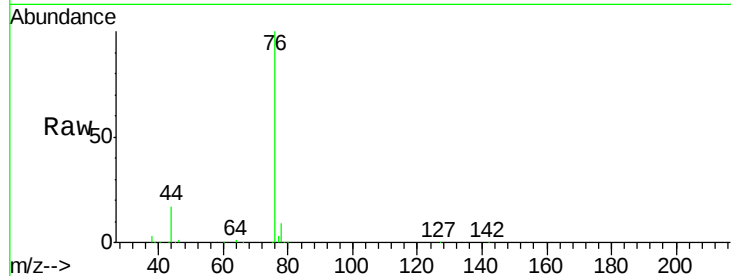
#17
Carbon Disulfide
Concen: 45.915 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

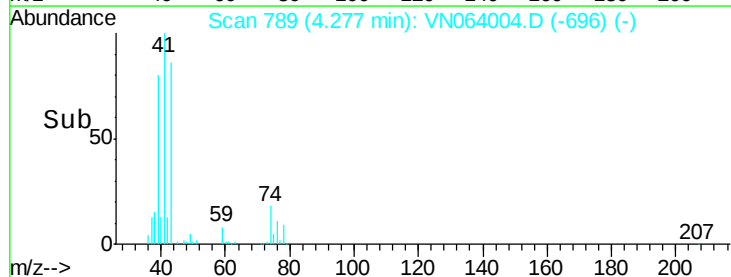
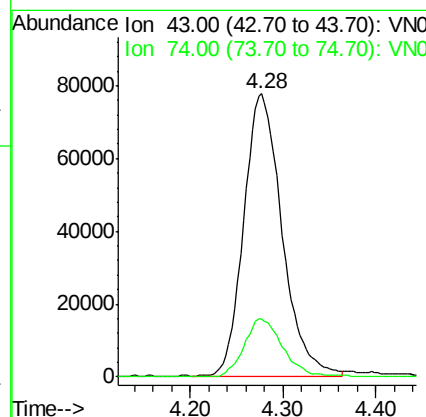
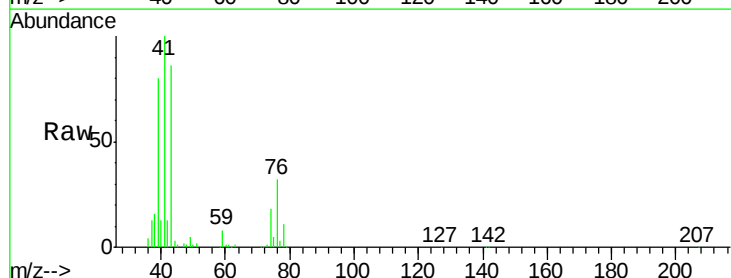
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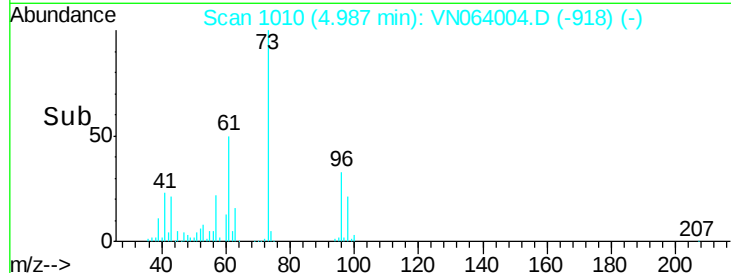
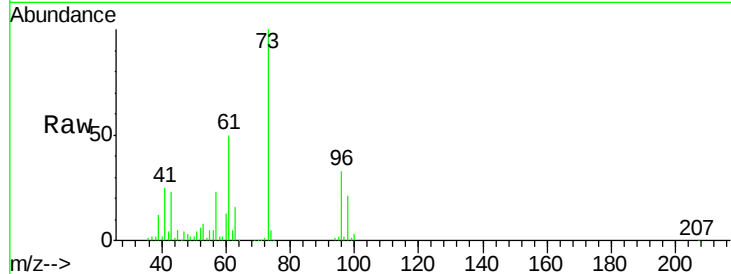
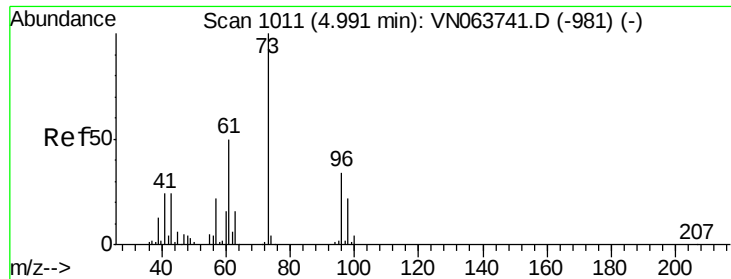
MMDadoda
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#18
Methyl Acetate
Concen: 57.722 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	17.4	26.2





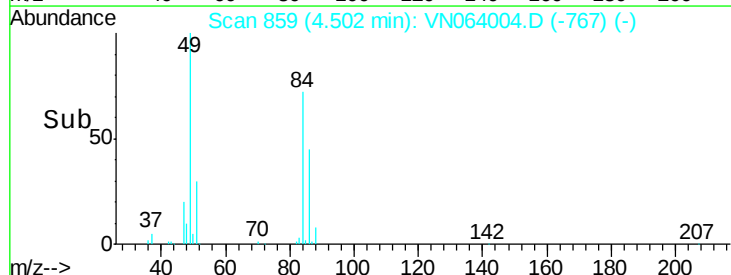
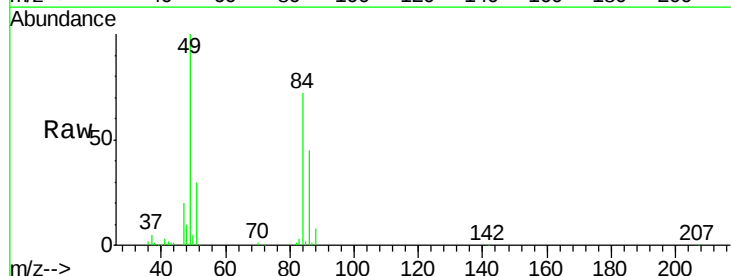
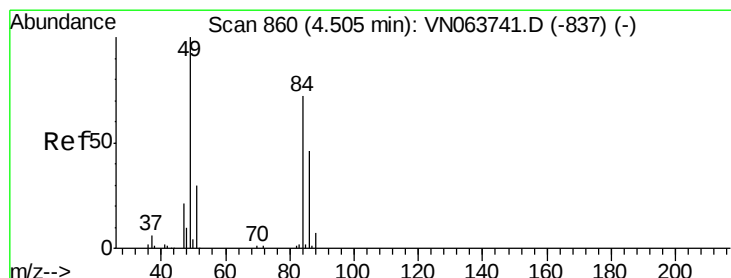
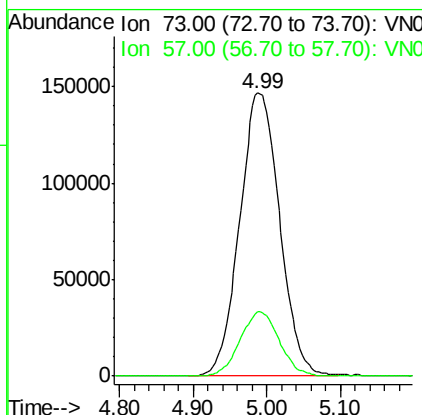
#19
Methvl tert-butvl Ether
Concen: 52.055 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tot Ion: 73 Resp: 554740
Ion Ratio Lower Upper
73 100
57 22.7 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

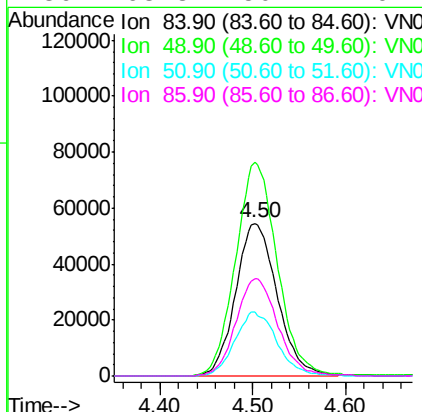
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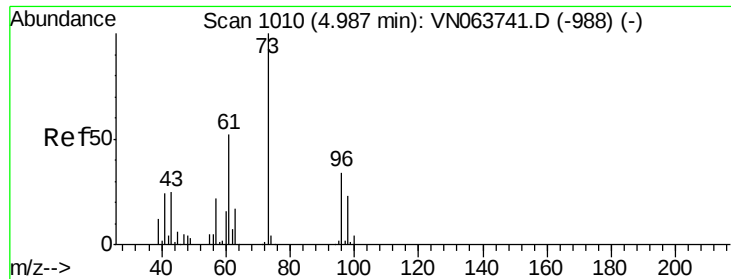
MMDadoda
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#20
Methylene Chloride
Concen: 50.154 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion: 84 Resp: 170179
Ion Ratio Lower Upper
84 100
49 139.7 110.4 165.6
51 41.9 33.3 49.9
86 63.3 50.7 76.1





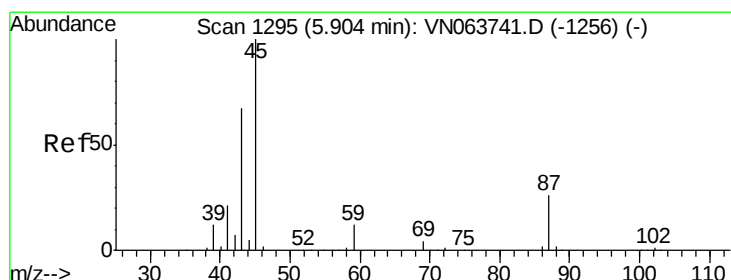
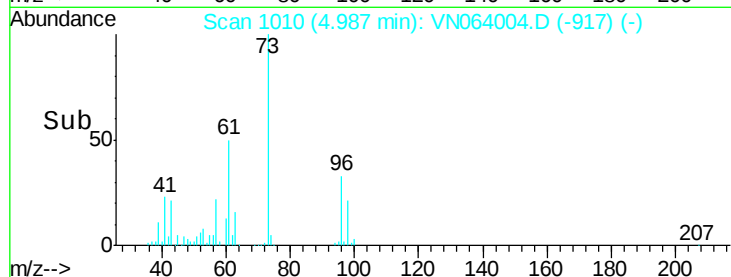
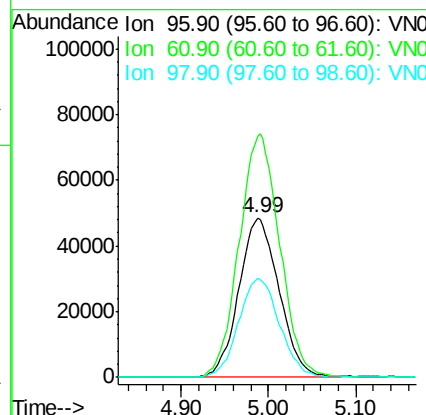
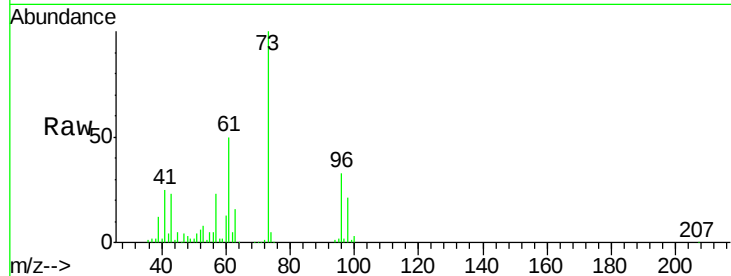
#21
trans-1,2-Dichloroethene
Concen: 47.200 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	120.2	180.2
98	62.3	52.6	79.0

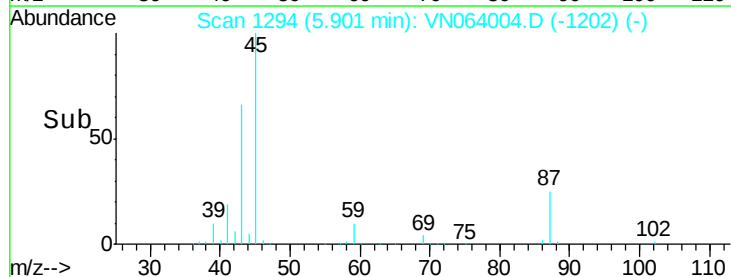
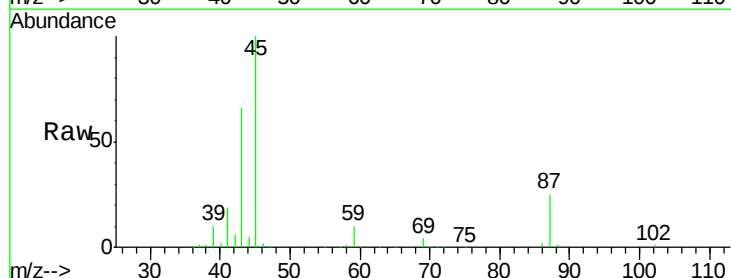
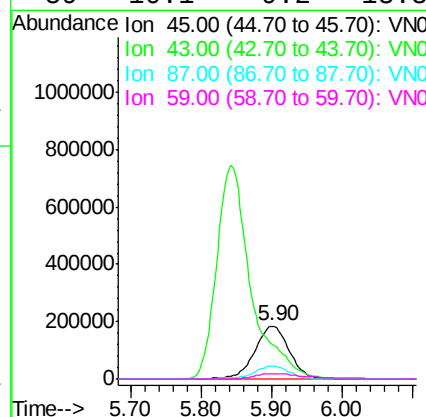
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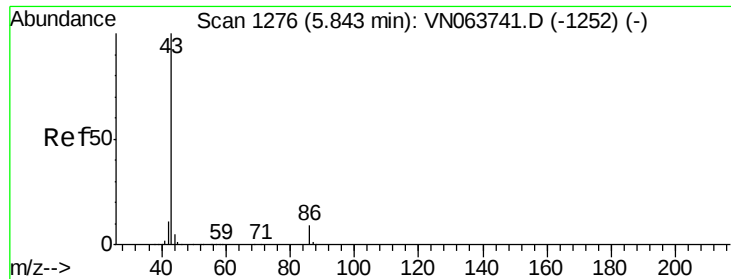
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#22
Diisopropyl ether
Concen: 56.127 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	53.7	80.5
87	24.9	21.1	31.7
59	10.1	9.2	13.8





#23

Vinyl Acetate

Concen: 273.144 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2536805

Ion Ratio Lower Upper

43 100

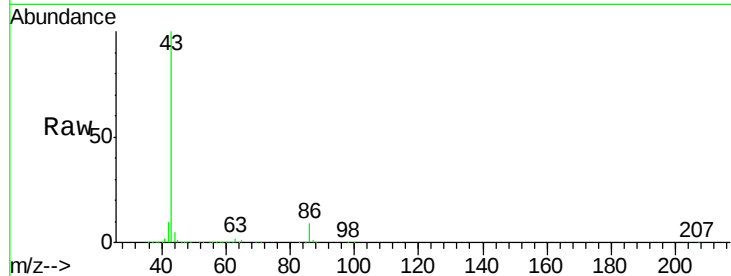
86 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN063741.D (-1252) (-)

5.84

800000

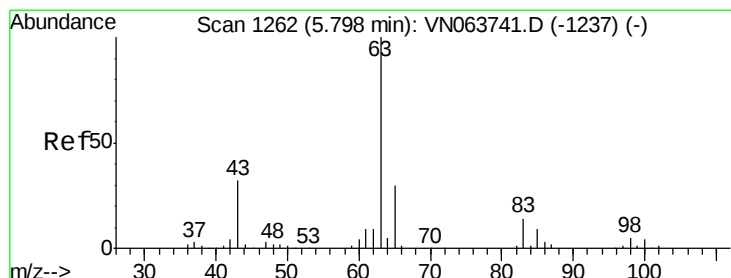
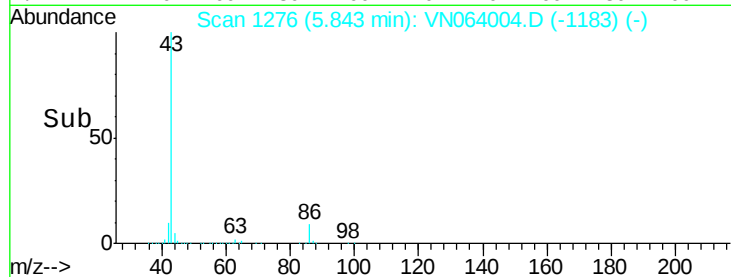
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.242 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

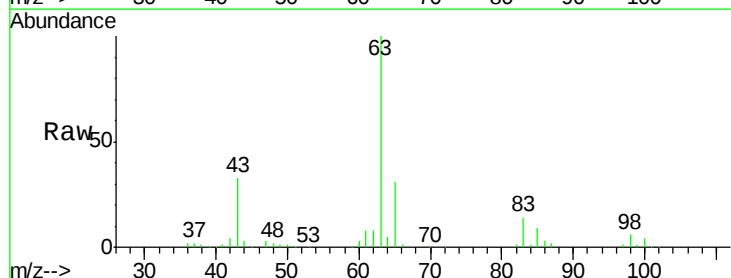
Tgt Ion: 63 Resp: 322085

Ion Ratio Lower Upper

63 100

98 6.2 2.7 8.1

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN063741.D (-1237) (-)

Ion 97.90 (97.60 to 98.60): VN063741.D (-1237) (-)

Ion 99.90 (99.60 to 100.60): VN063741.D (-1237) (-)

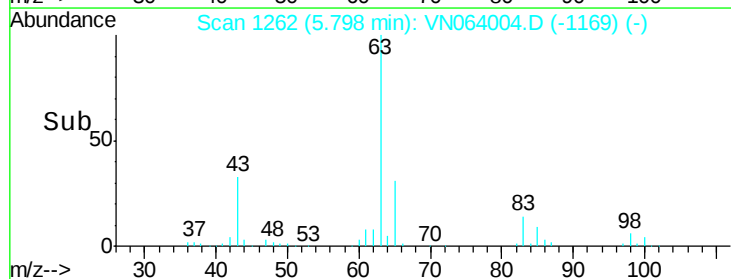
5.80

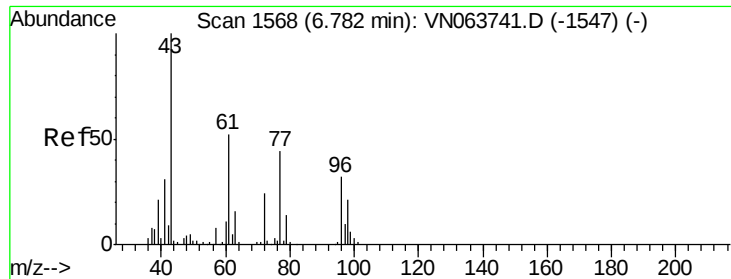
100000

50000

0

Time-->





#25

2-Butanone

Concen: 283.861 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 596180

Ion Ratio Lower Upper

43 100

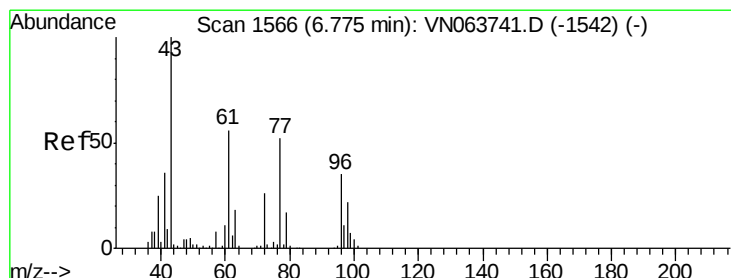
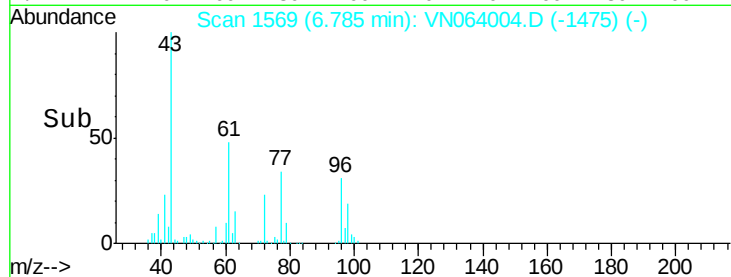
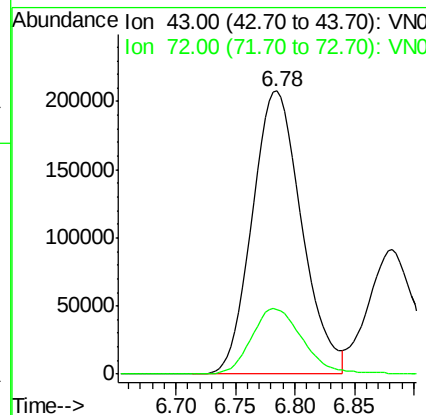
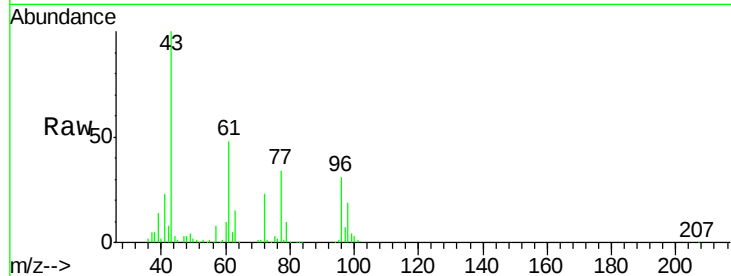
72 22.9 19.3 28.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 41.816 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064004.D

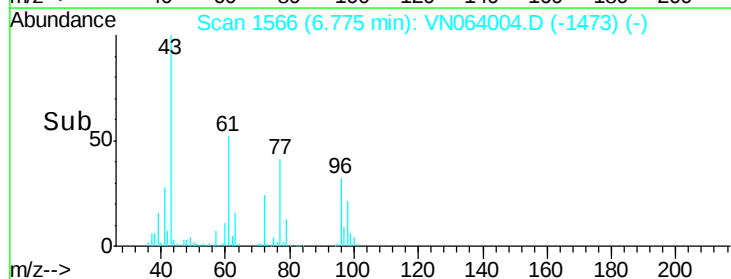
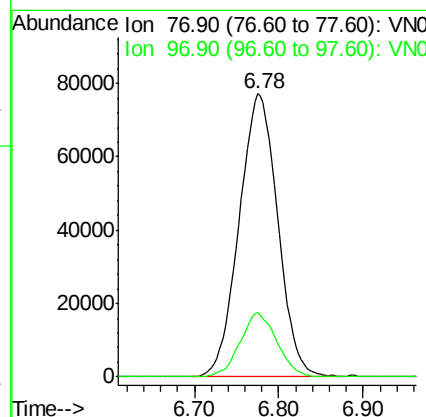
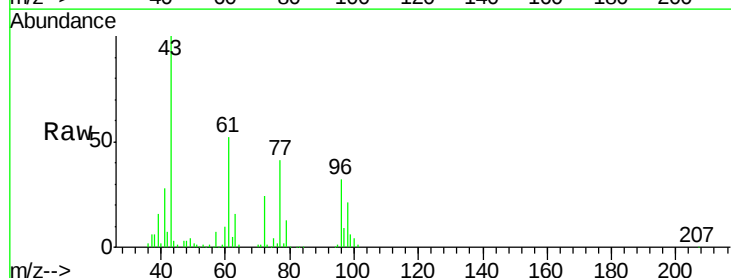
Acq: 8 Oct 2020 20:29

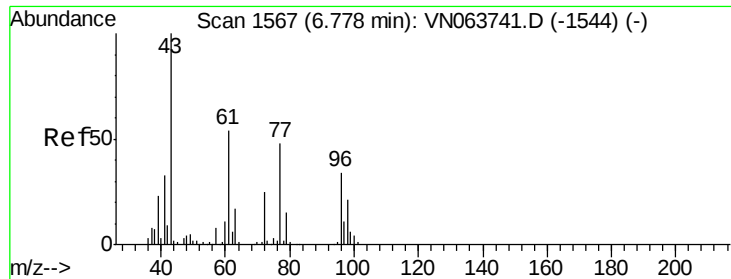
Tgt Ion: 77 Resp: 245485

Ion Ratio Lower Upper

77 100

97 21.6 10.8 32.3





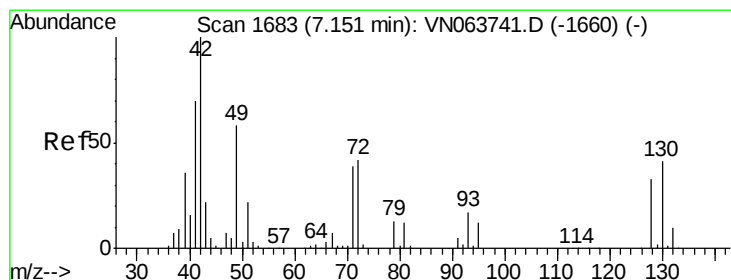
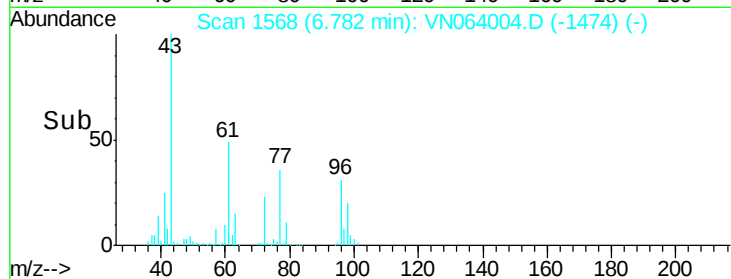
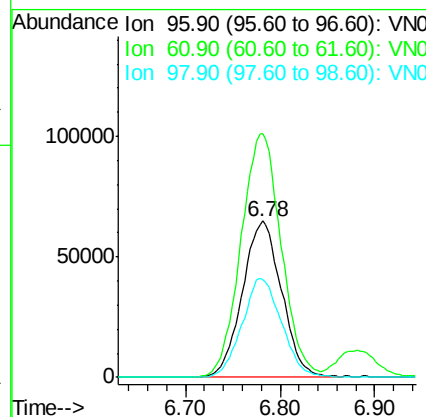
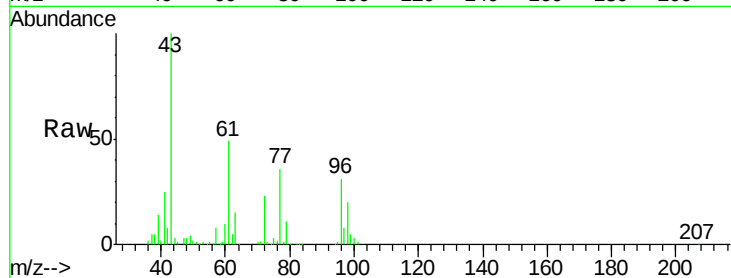
#27
 cis-1,2-Dichloroethene
 Concen: 49.444 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	186831		
61	159.6	0.0	321.2	
98	63.8	0.0	124.4	

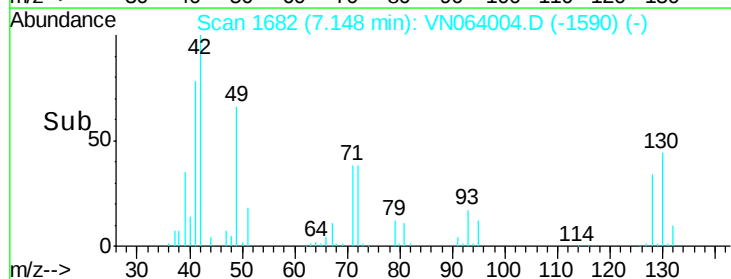
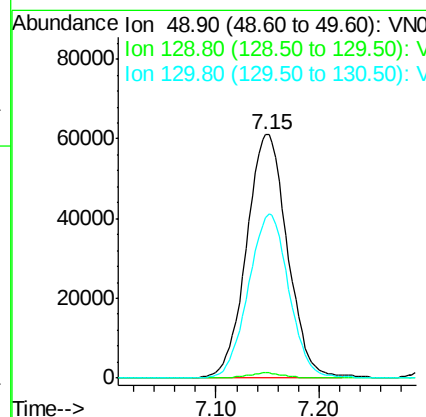
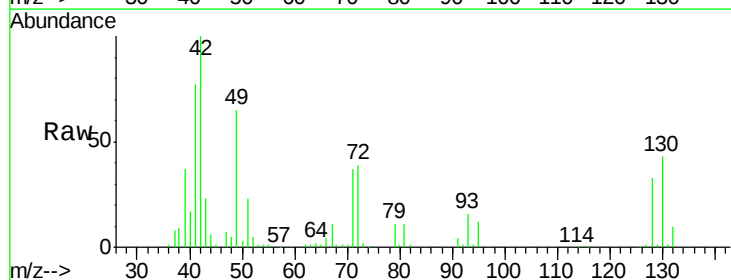
Manual Integrations
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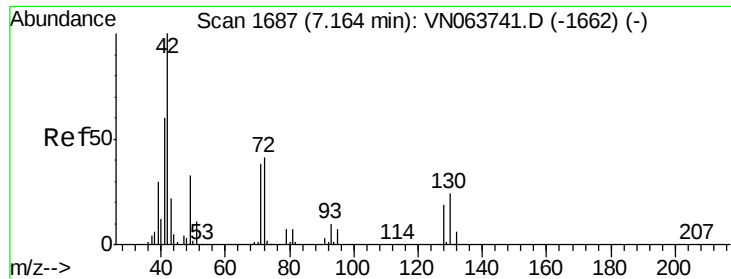
MMDadoda
 10/9/2020 4:32:27 PM



#28
 Bromochloromethane
 Concen: 53.117 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	168297		
129	1.8	0.0	4.8	
130	66.5	55.6	83.4	





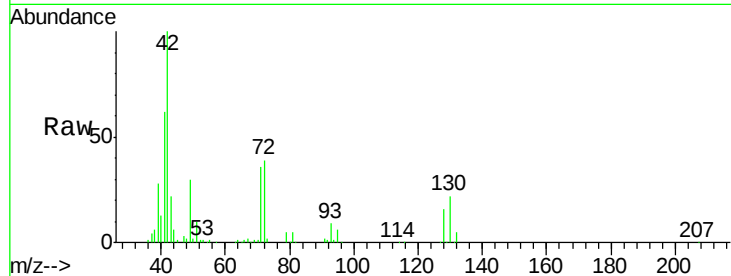
#29
Tetrahydrofuran
Concen: 287.679 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

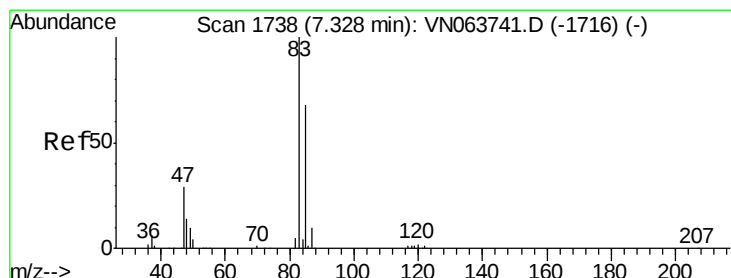
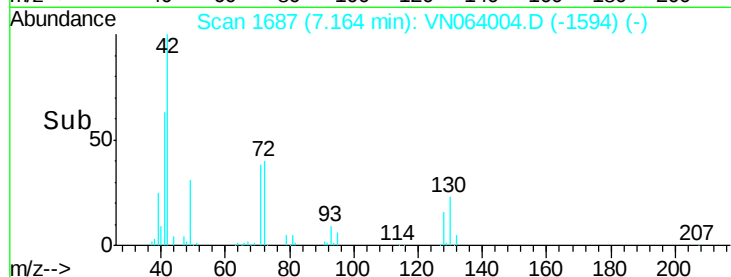
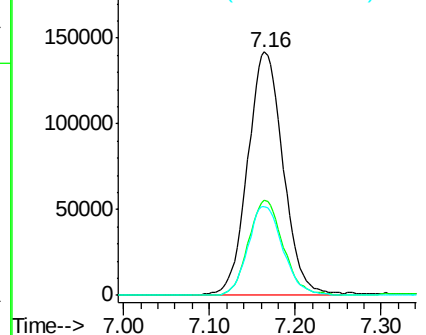
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	32.8	49.2
71	36.3	30.6	45.8

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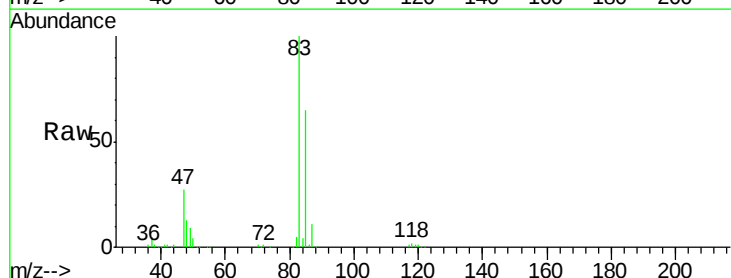


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

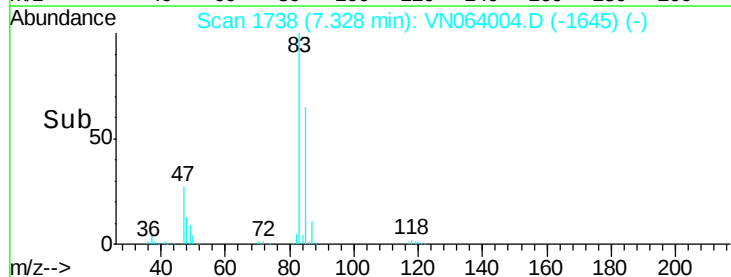
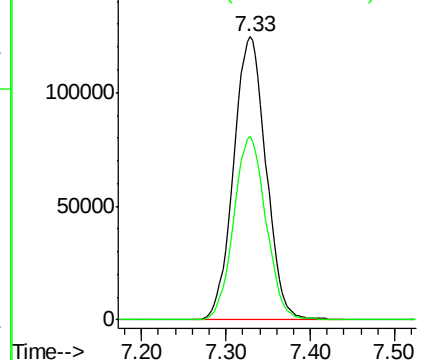


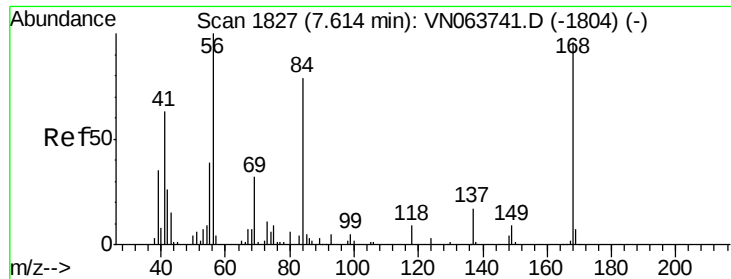
#30
Chloroform
Concen: 49.870 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	54.6	82.0



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





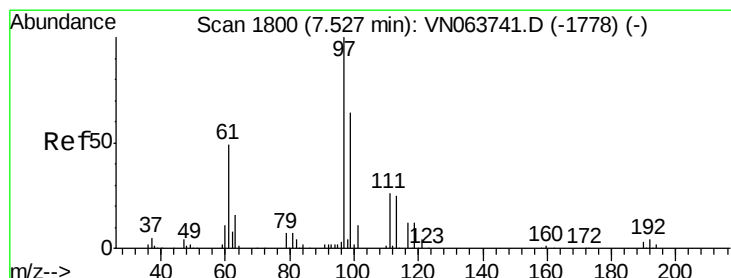
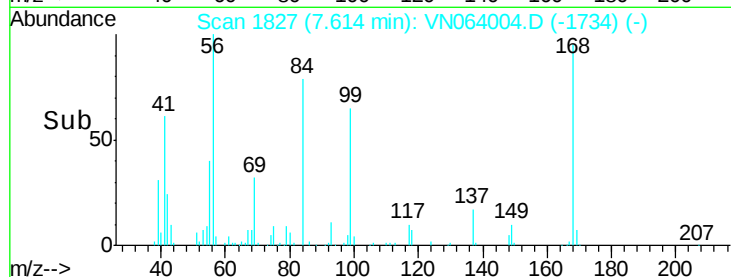
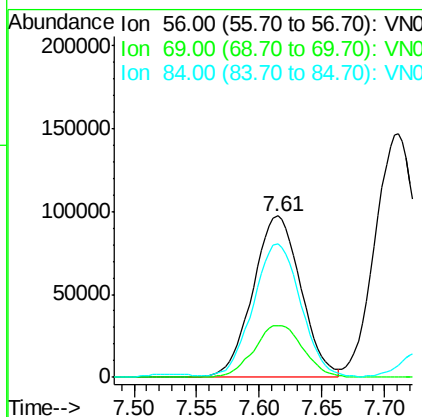
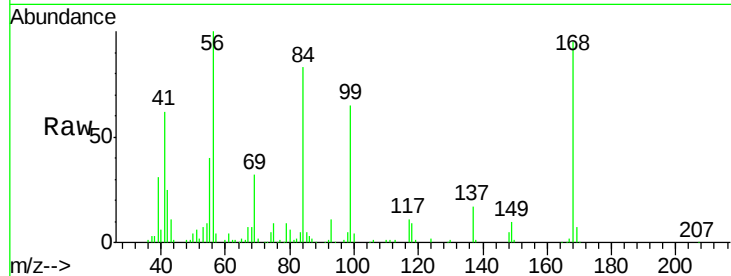
#31
Cyclohexane
Concen: 46.502 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.2
84	81.2	63.3	94.9

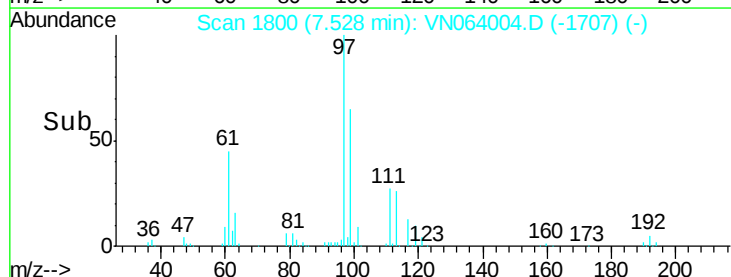
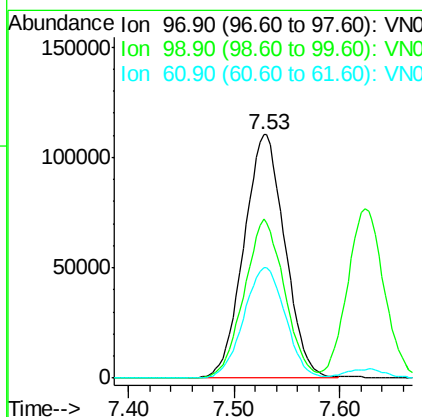
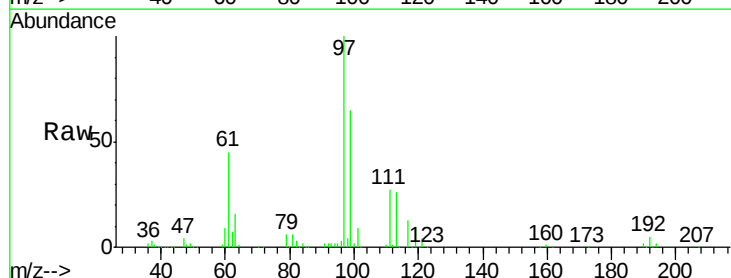
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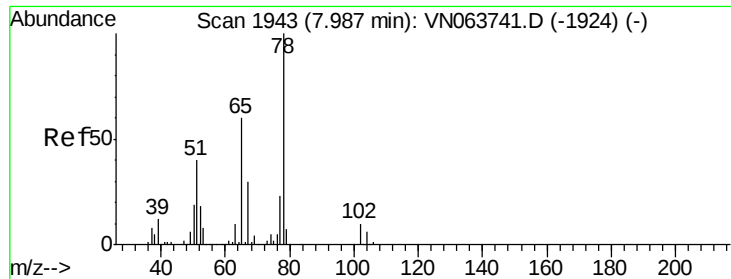
MMDadoda
10/9/2020 4:32:27 PM



#32
1,1,1-Trichloroethane
Concen: 49.440 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	46.1	38.7	58.1





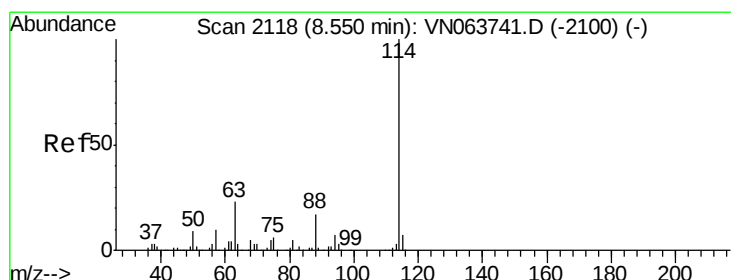
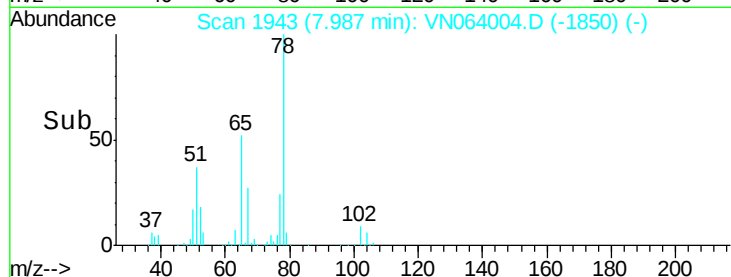
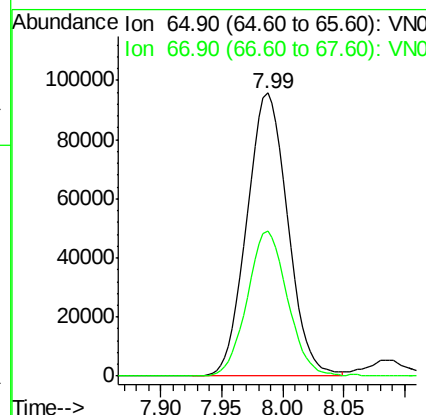
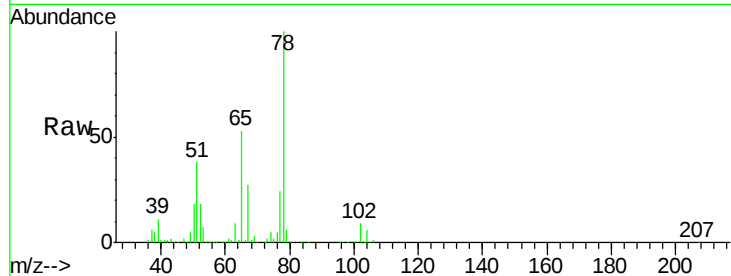
#33
 1,2-Dichloroethane-d4
 Concen: 46.187 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	22270		
67	50.2	0.0	99.6	

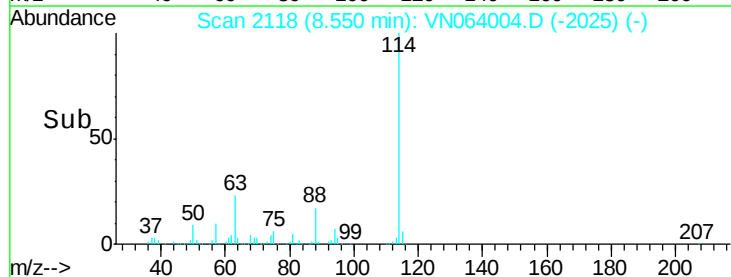
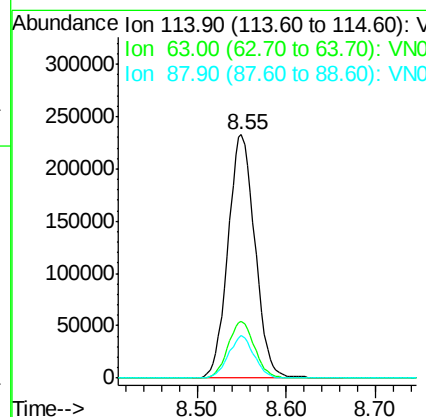
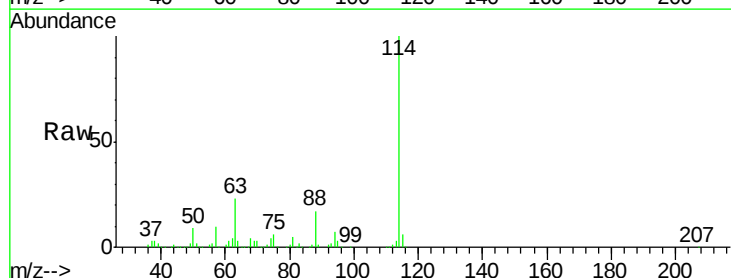
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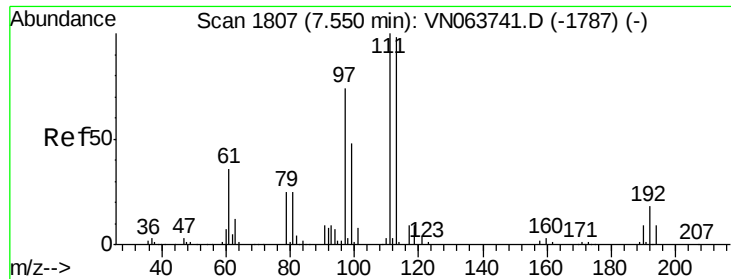
MMDadoda
 10/9/2020 4:32:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	487414		
63	23.2	0.0	45.0	
88	17.4	0.0	34.0	





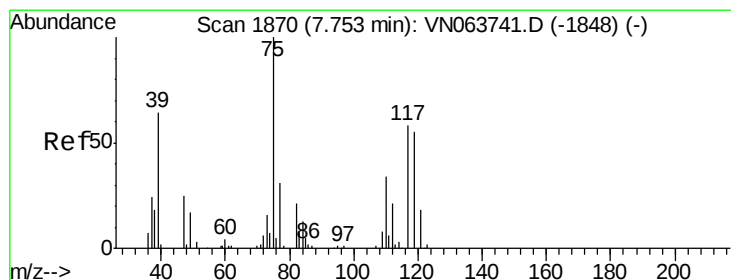
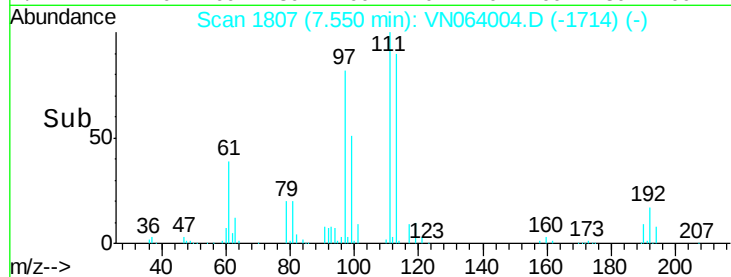
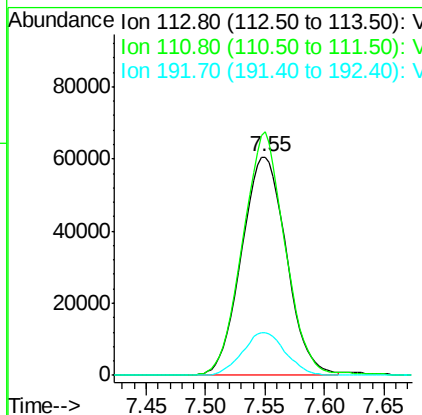
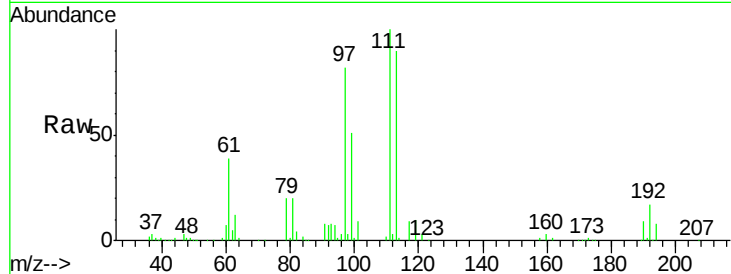
#35
 Dibromofluoromethane
 Concen: 46.711 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.8	122.8
192	18.8	14.2	21.2

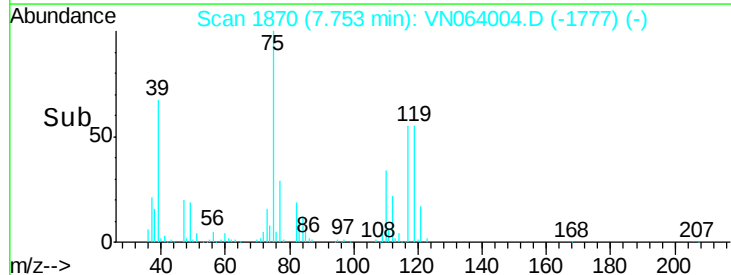
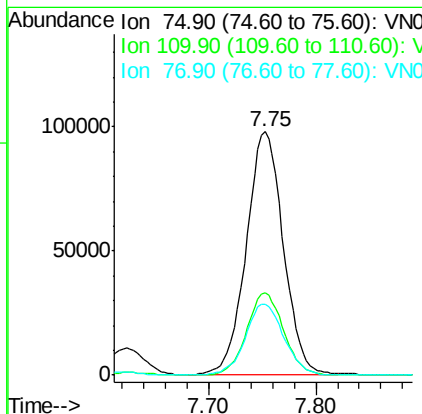
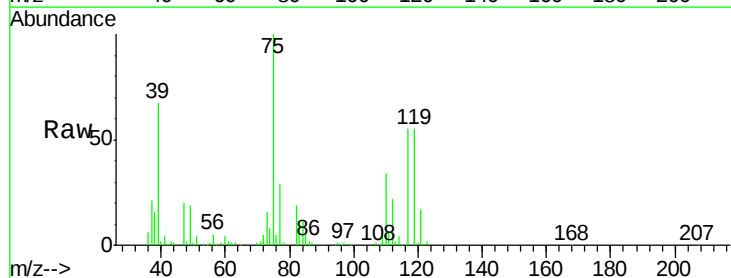
Manual Integrations
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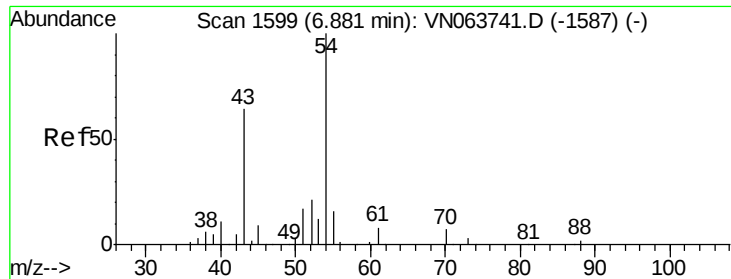
MMDadoda
 10/9/2020 4:32:27 PM



#36
 1,1-Dichloropropene
 Concen: 47.281 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.4	24.5	36.7





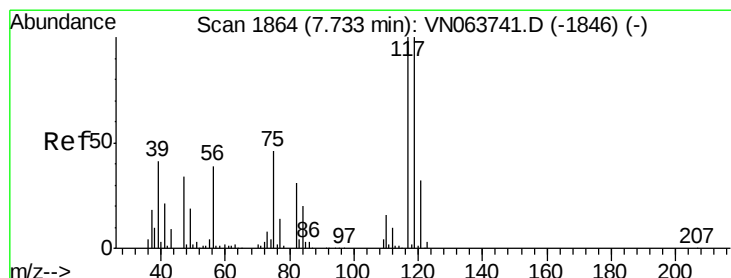
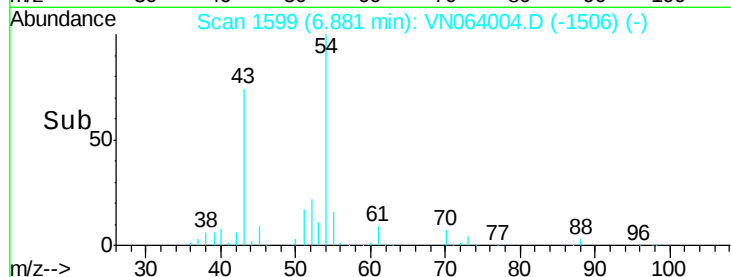
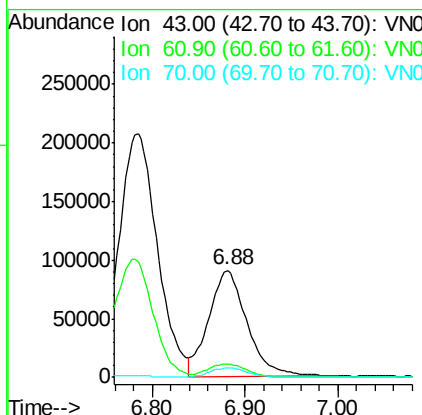
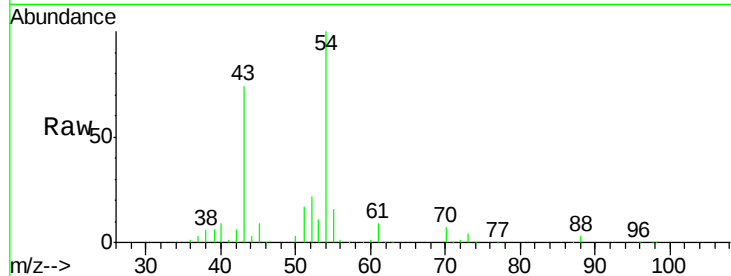
#37
Ethyl Acetate
Concen: 53.011 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.4	15.6
70	8.2	7.3	10.9

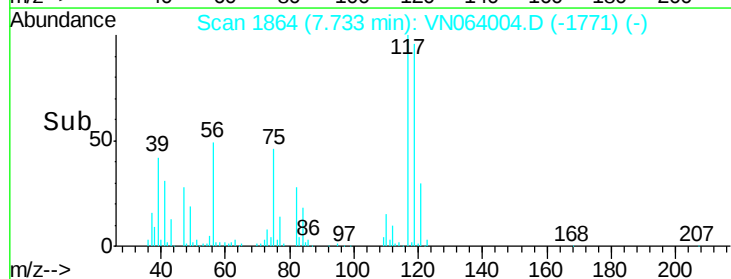
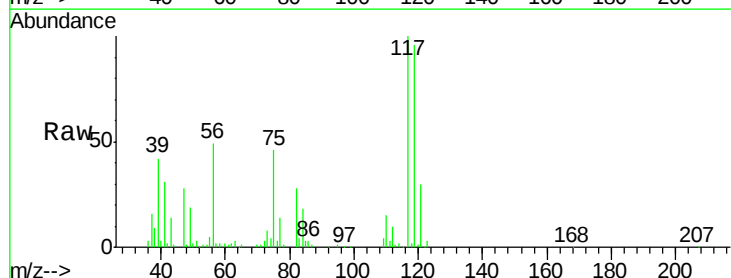
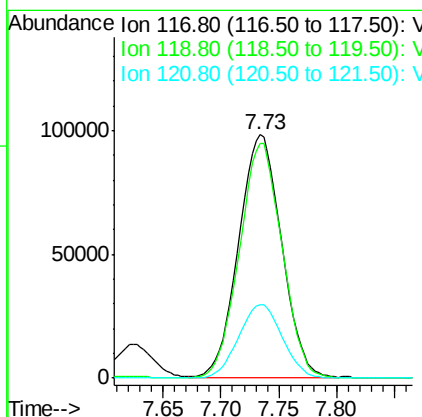
Manual Integrations
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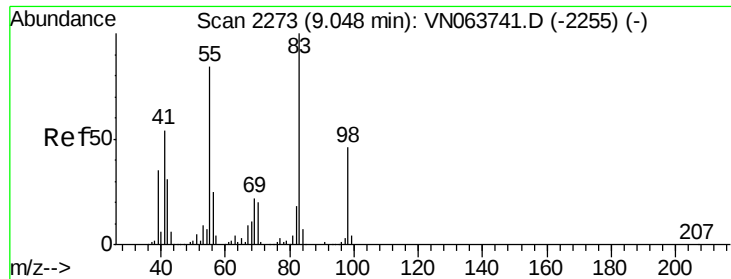
MMDadoda
10/9/2020 4:32:27 PM



#38
Carbon Tetrachloride
Concen: 45.472 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	80.1	120.1
121	30.4	25.7	38.5





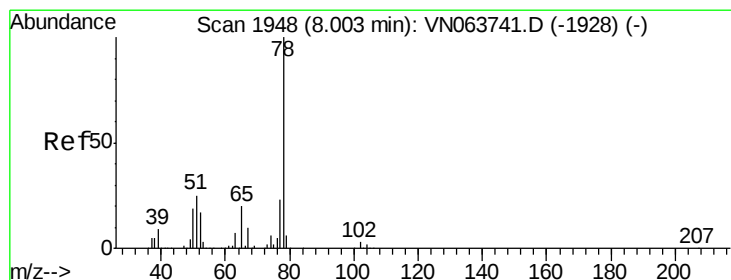
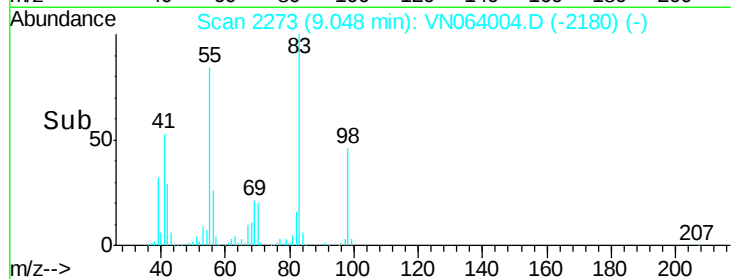
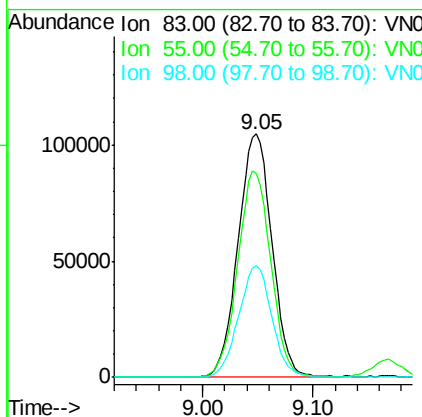
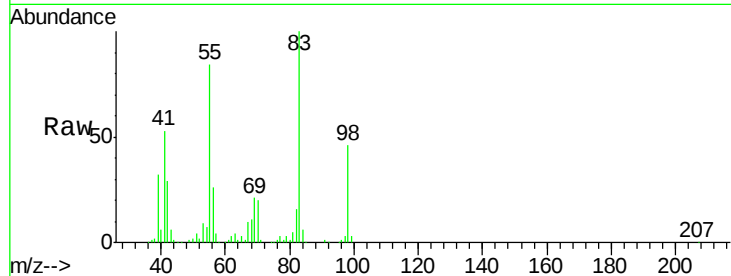
#39
Methvlcvclohexane
Concen: 45.481 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	67.1	100.7
98	45.9	36.6	54.8

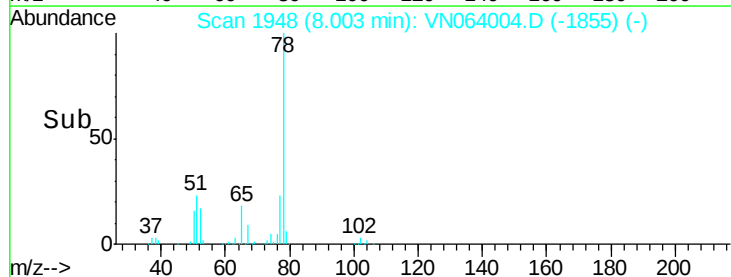
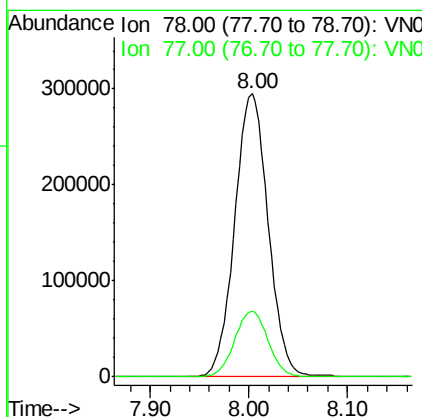
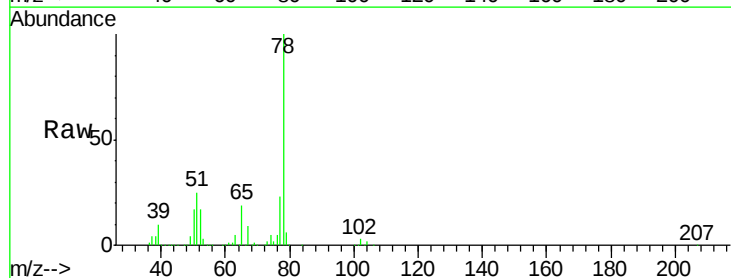
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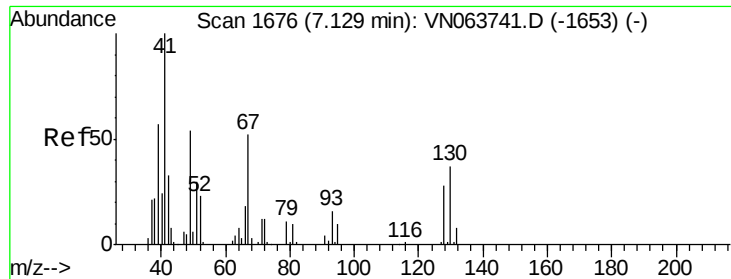
MMDadoda
10/9/2020 4:32:27 PM



#40
Benzene
Concen: 49.320 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





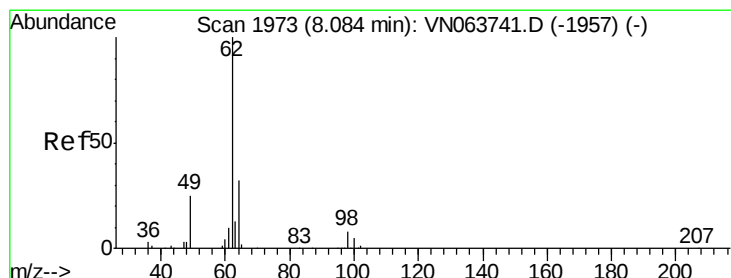
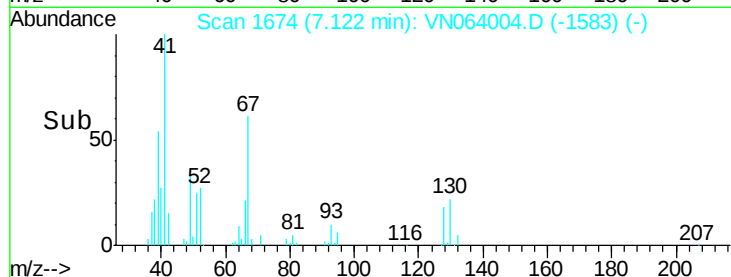
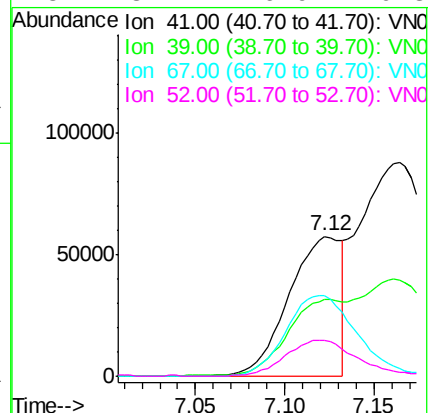
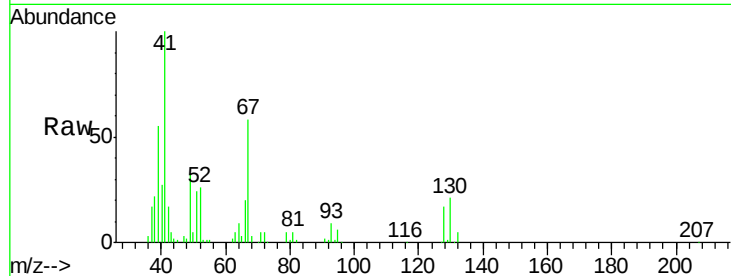
#41
Methacrylonitrile
Concen: 53.879 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	117477
Ion Ratio	Lower	Upper	
41	100		
39	55.1	42.5	63.7
67	78.5	57.4	86.2
52	34.4	26.9	40.3

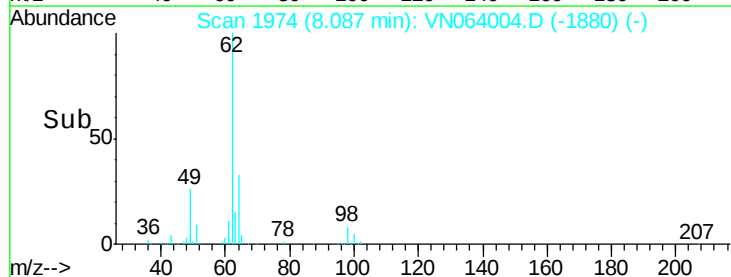
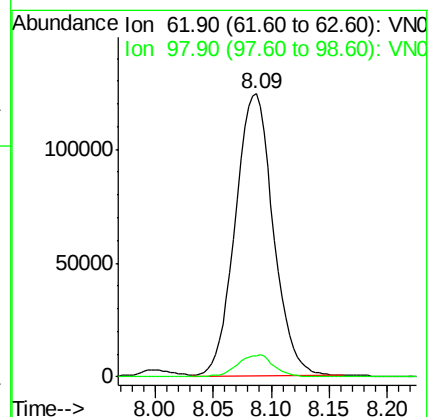
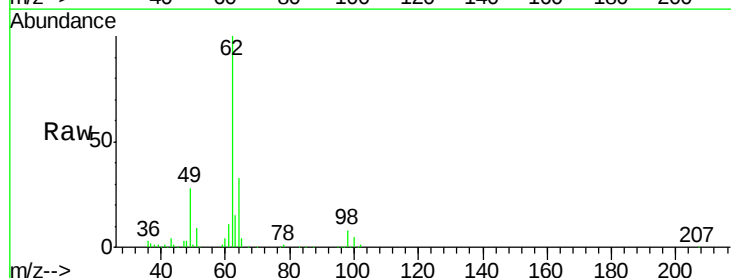
Manual Integrations
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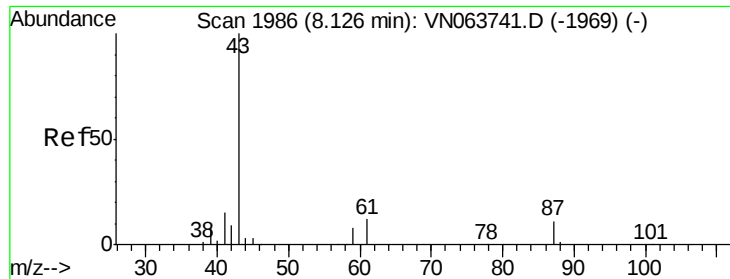
MMDadoda
10/9/2020 4:32:27 PM



#42
1,2-Dichloroethane
Concen: 46.908 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	62	Resp	282409
Ion Ratio	Lower	Upper	
62	100		
98	7.6	0.0	15.0





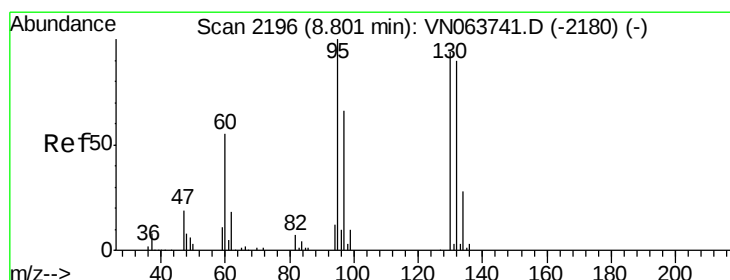
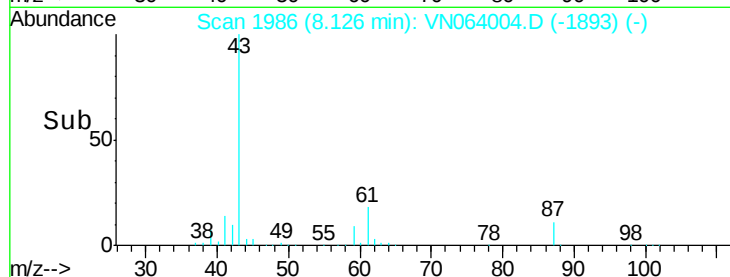
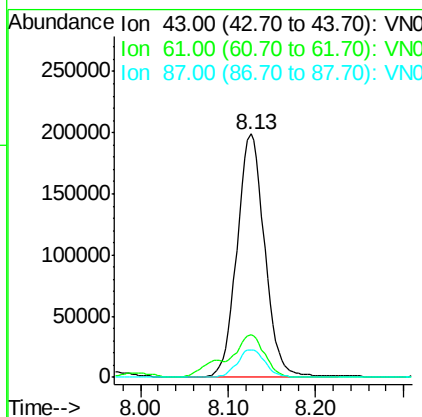
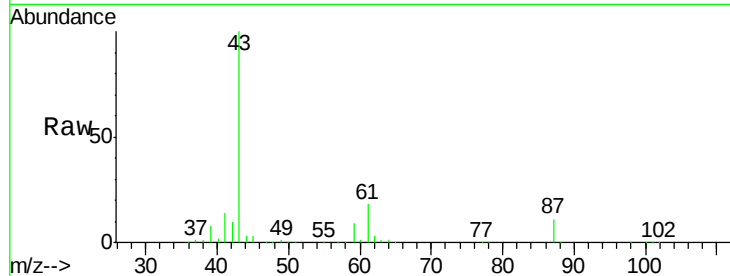
#43
Isopropyl Acetate
Concen: 53.572 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.2	21.4
87	11.6	9.0	13.6

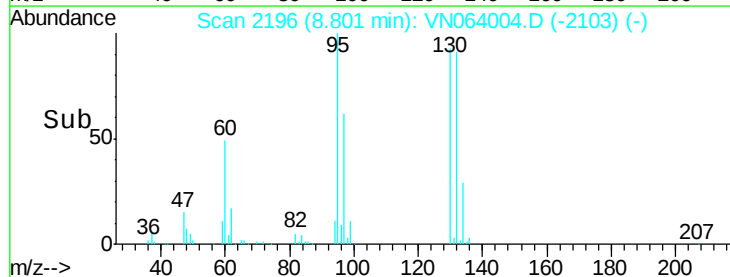
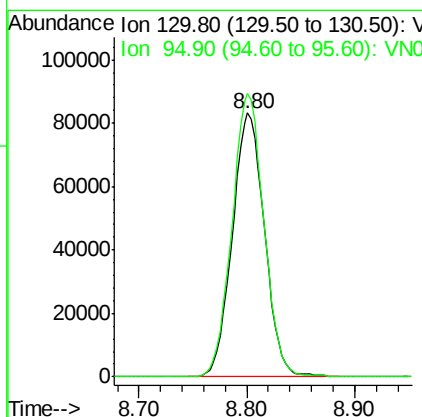
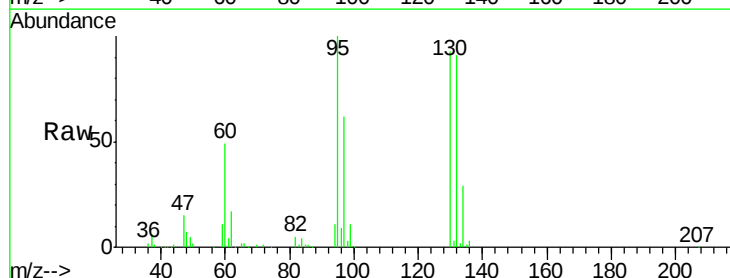
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#44
Trichloroethene
Concen: 46.821 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	213.6





#45

1,2-Dichloropropane

Concen: 51.505 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 196186

Ion Ratio Lower Upper

63 100

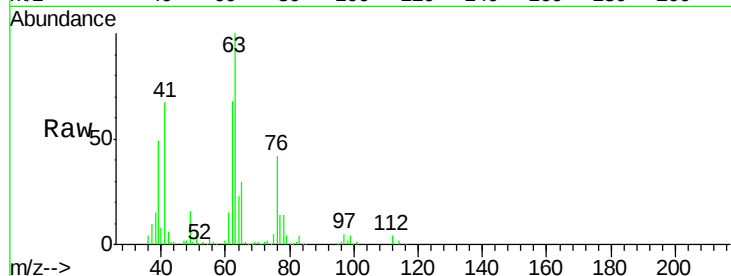
65 30.3 24.7 37.1

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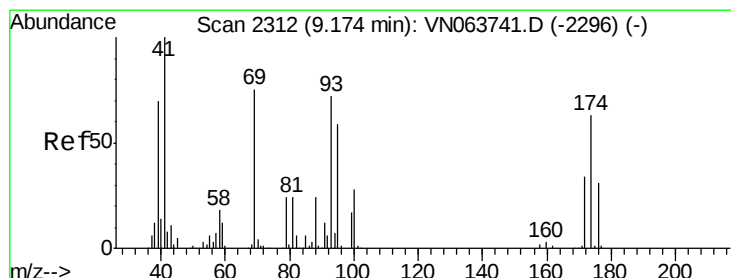
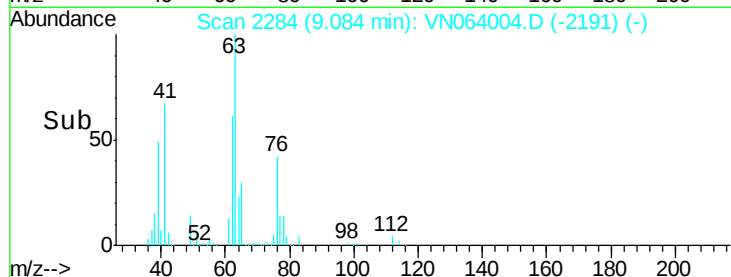
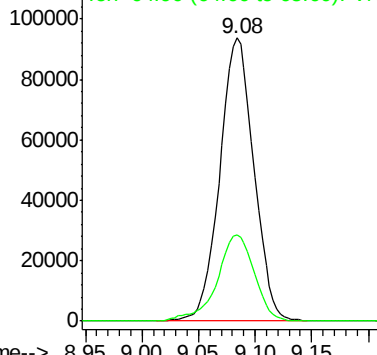
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 47.381 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

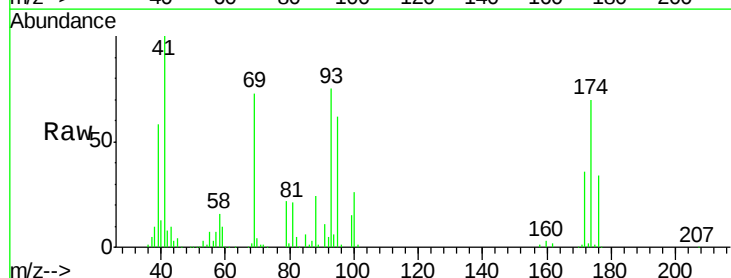
Tgt Ion: 93 Resp: 124502

Ion Ratio Lower Upper

93 100

95 84.1 66.3 99.5

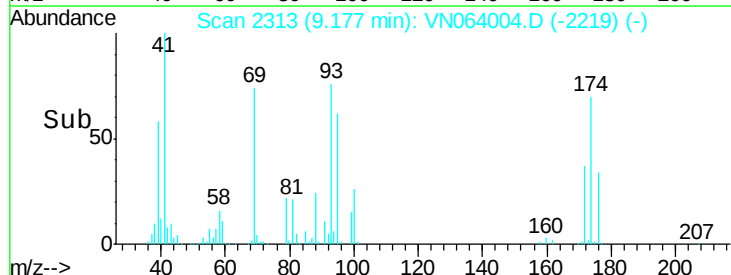
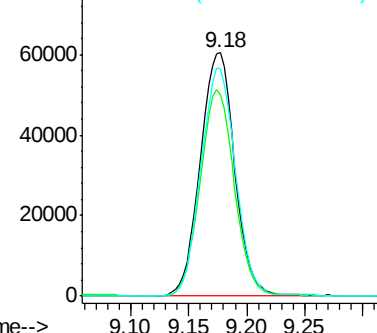
174 93.9 72.7 109.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





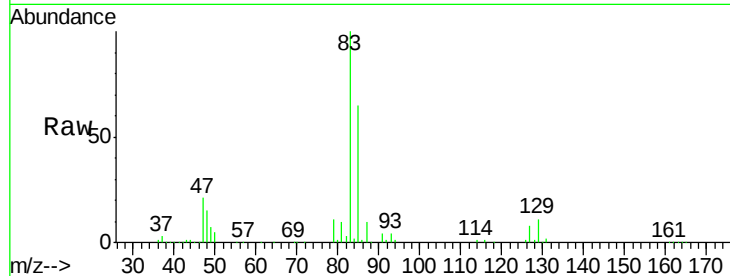
#47
Bromodichloromethane
Concen: 49.417 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

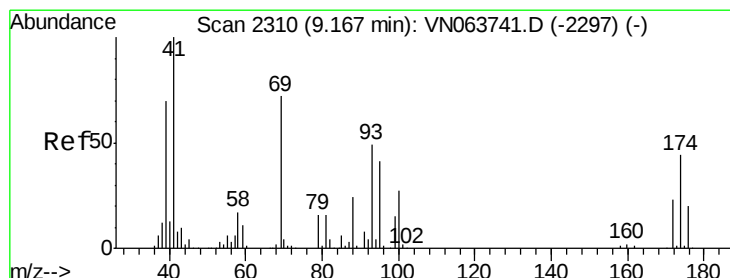
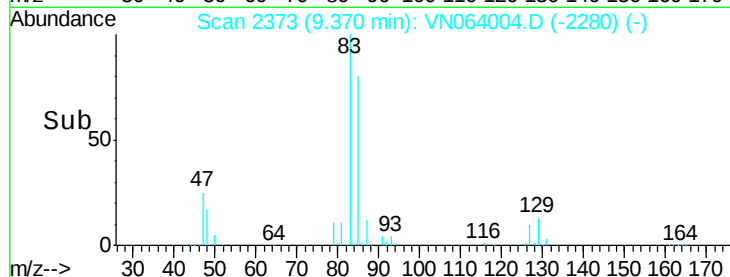
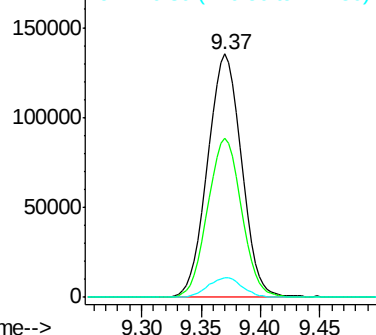
Tot Ion	83	Resp	267621
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.6	75.8
127	7.8	6.6	9.8

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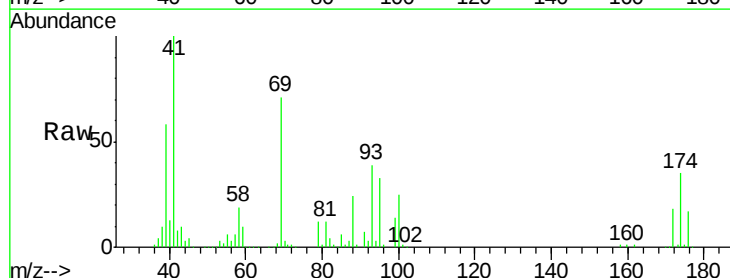


Abundance Ion 82.90 (82.60 to 83.60): VN063741.D (-2356) (-)

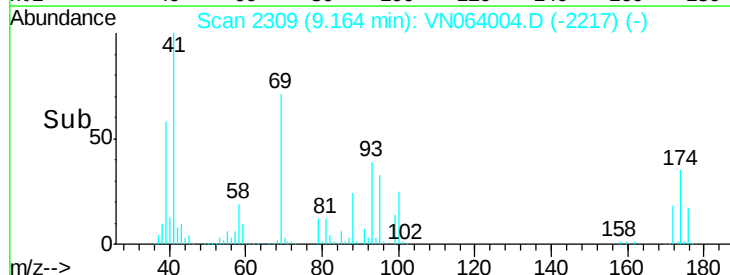
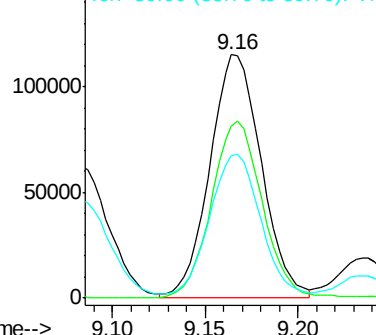


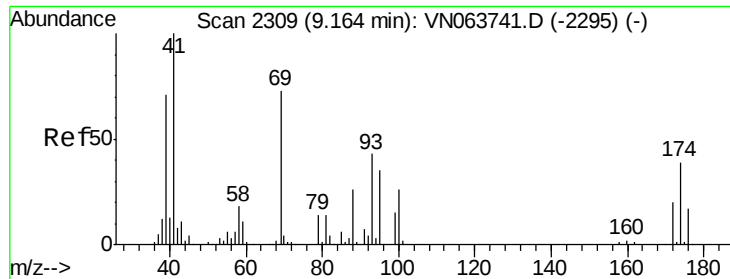
#48
Methyl methacrylate
Concen: 55.065 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	41	Resp	220153
Ion Ratio	100	Lower	Upper
41	100		
69	73.2	60.9	91.3
39	59.1	57.5	86.3



Abundance Ion 41.00 (40.70 to 41.70): VN063741.D (-2297) (-)





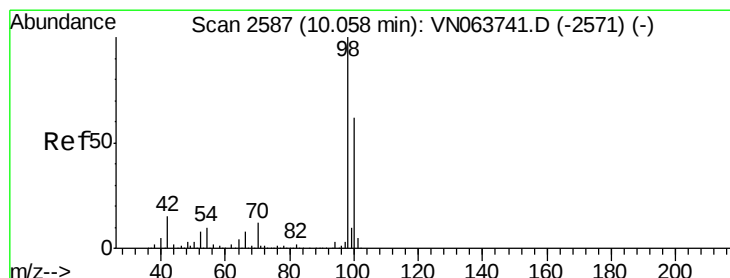
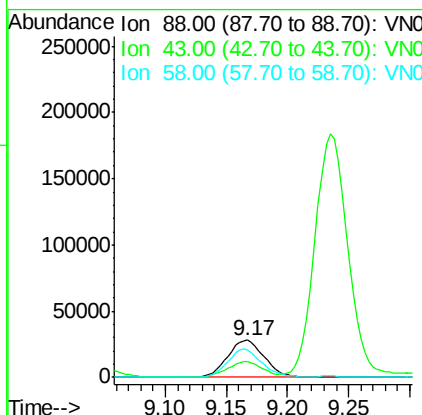
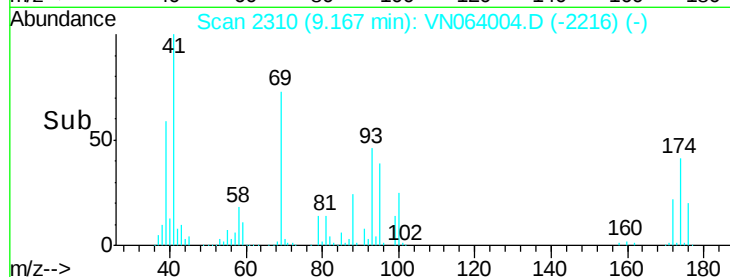
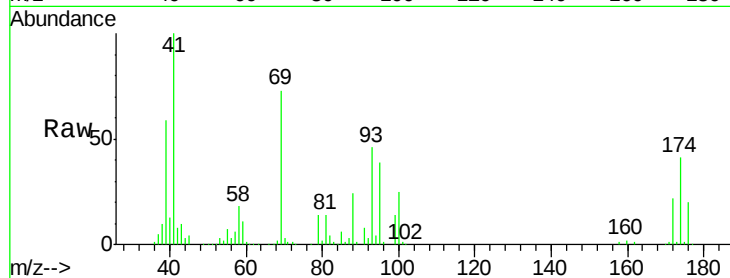
#49
1,4-Dioxane
Concen: 1040.463 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	33.1	49.7
58	71.0	58.9	88.3

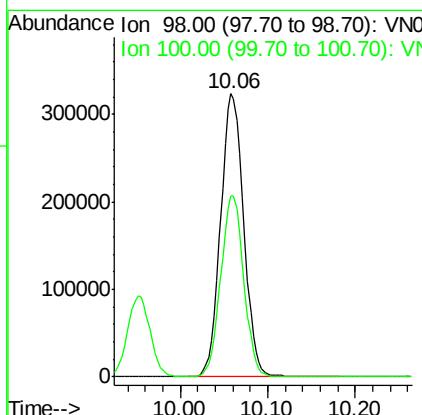
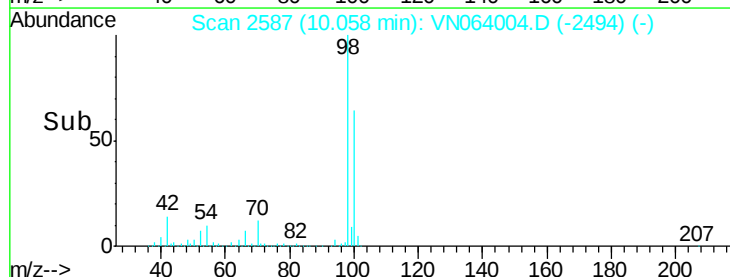
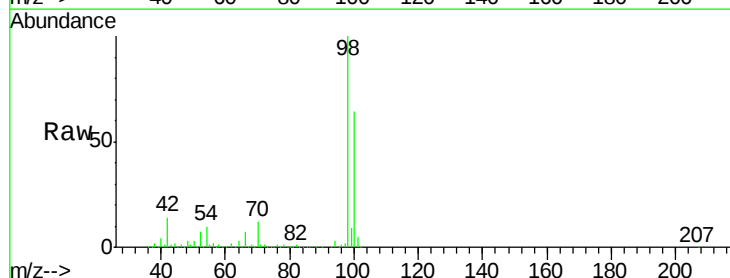
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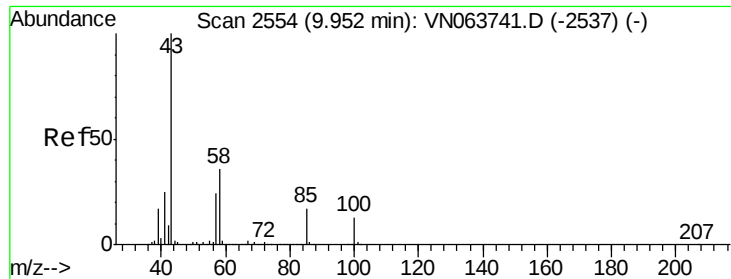
MMDadoda
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#50
Toluene-d8
Concen: 46.350 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	49.8	74.6





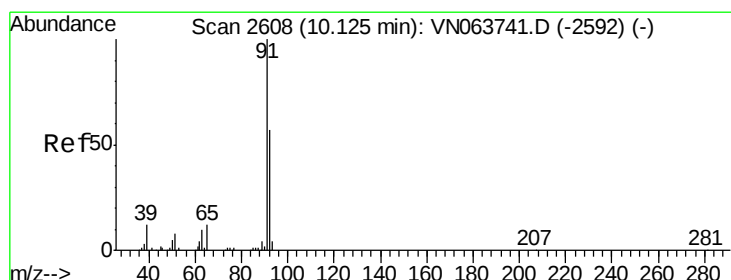
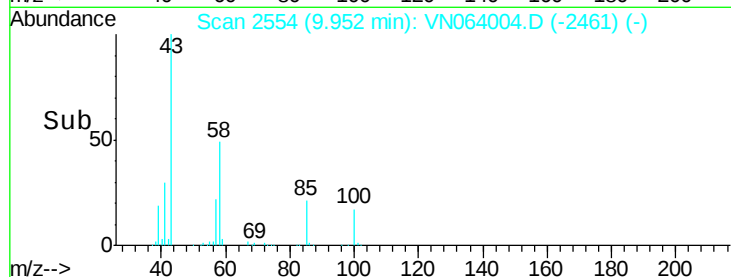
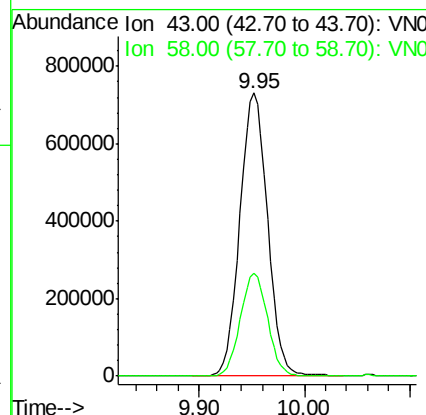
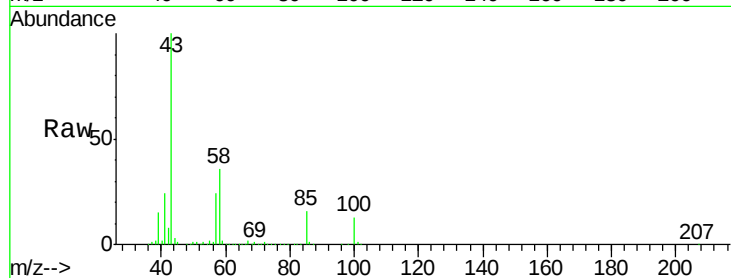
#51
4-Methyl-2-Pentanone
Concen: 280.032 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1329830
Ion Ratio Lower Upper
43 100
58 35.9 28.4 42.6

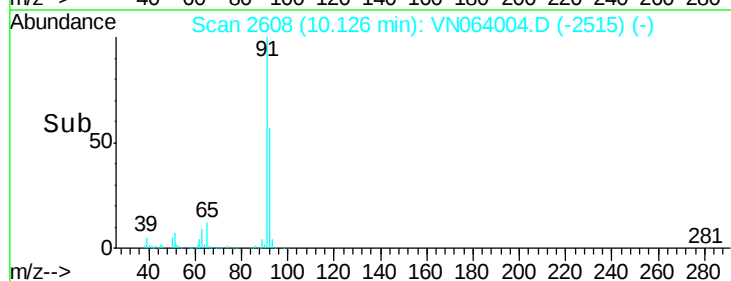
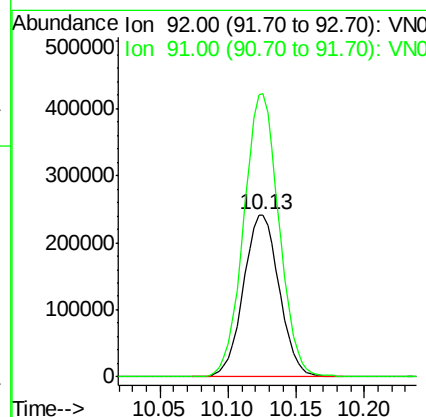
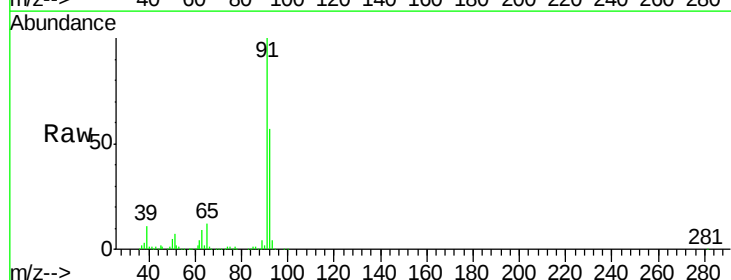
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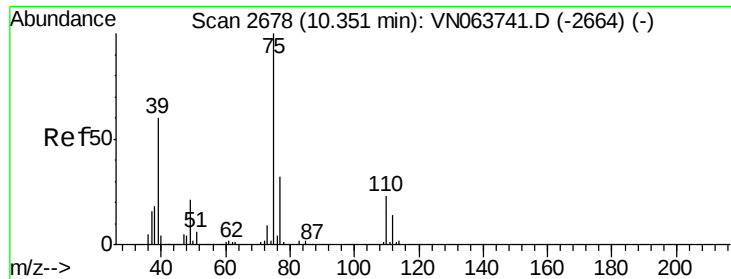
MMDadoda
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#52
Toluene
Concen: 50.297 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion: 92 Resp: 438785
Ion Ratio Lower Upper
92 100
91 172.9 140.6 210.8





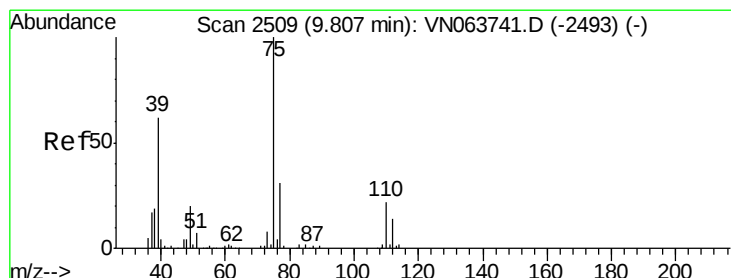
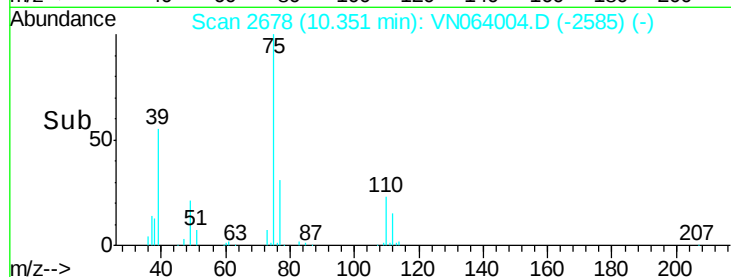
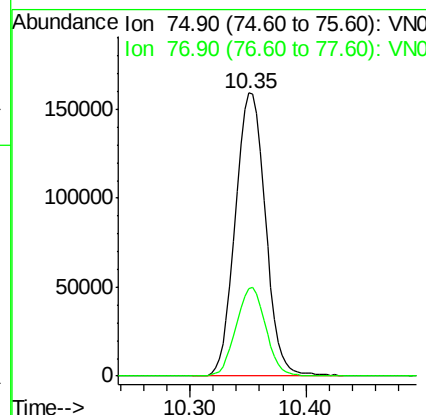
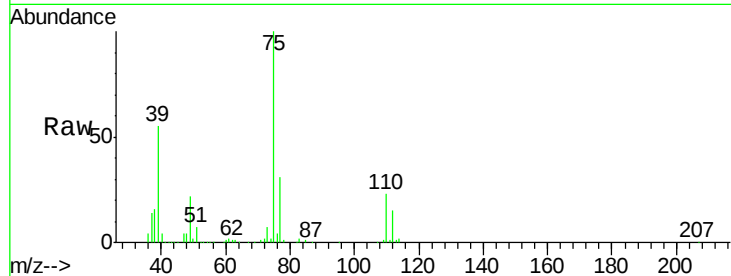
#53
t-1,3-Dichloropropene
Concen: 49.322 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9

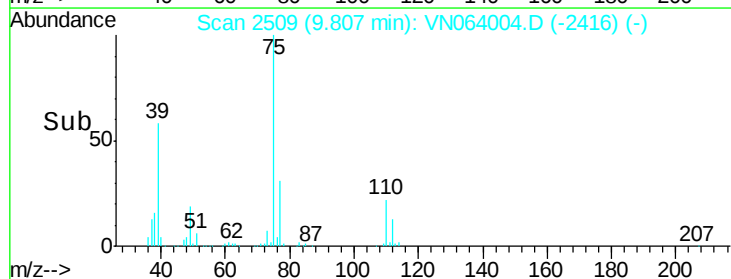
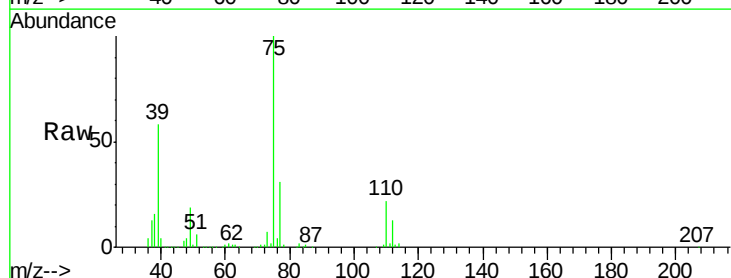
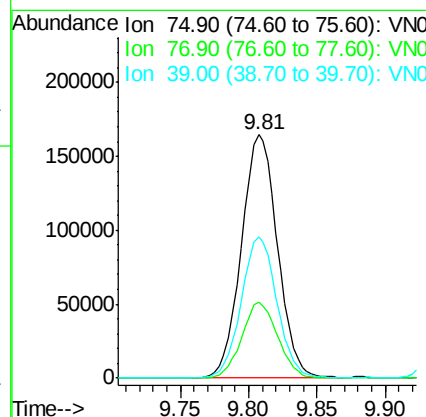
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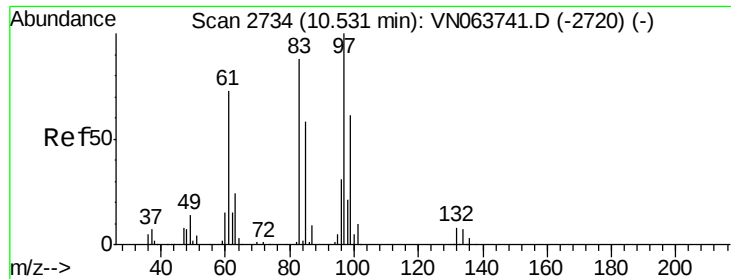
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.797 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	58.0	49.7	74.5





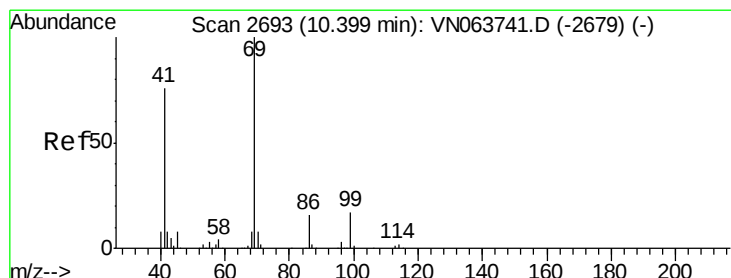
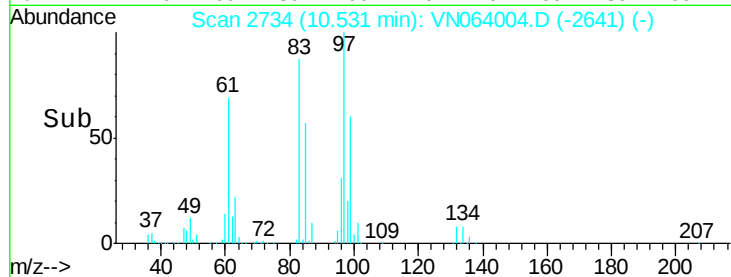
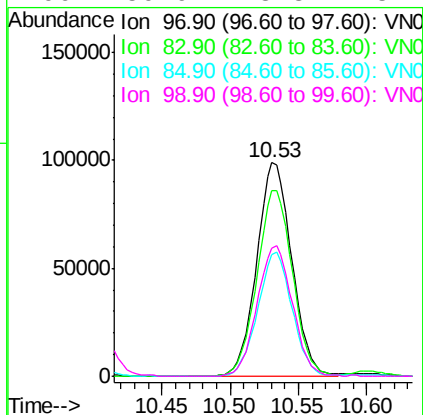
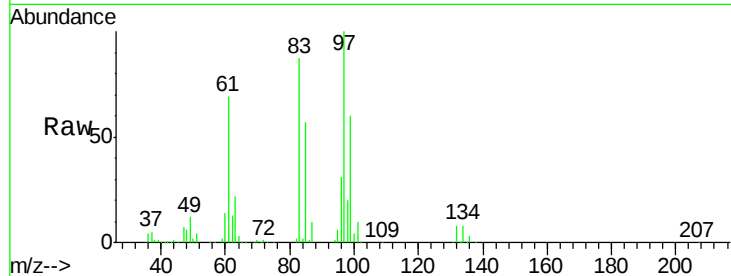
#55
 1,1,2-Trichloroethane
 Concen: 50.531 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	176786
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.7	106.1
85	56.9	46.1	69.1
99	59.9	48.8	73.2

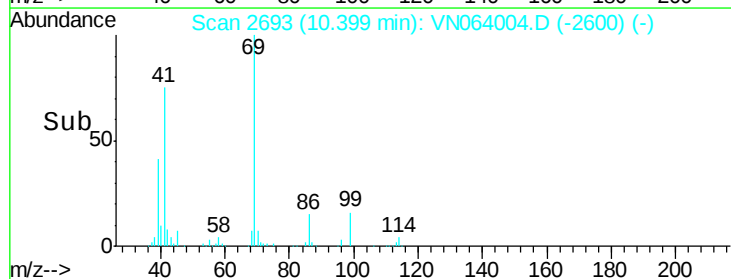
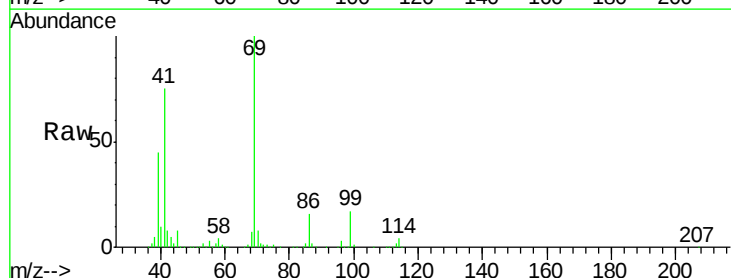
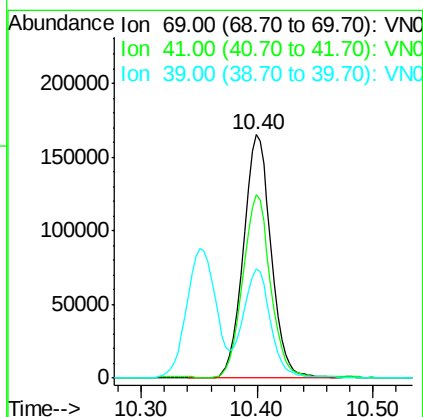
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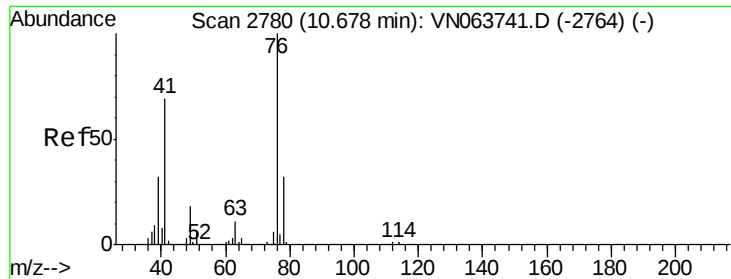
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#56
 Ethyl methacrylate
 Concen: 55.361 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion:	69	Resp:	274542
Ion	Ratio	Lower	Upper
69	100		
41	74.7	61.1	91.7
39	44.2	42.2	63.4





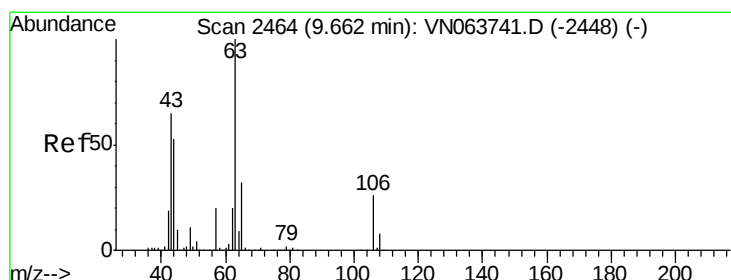
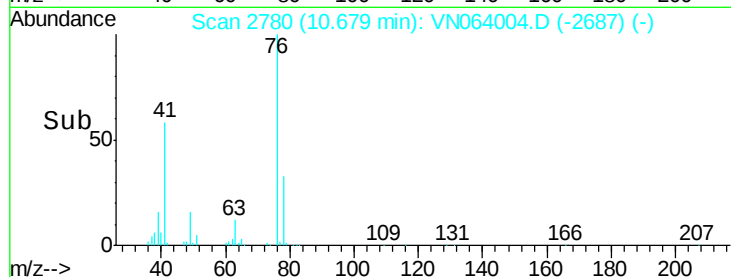
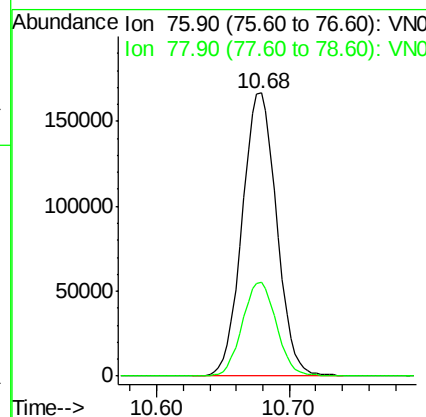
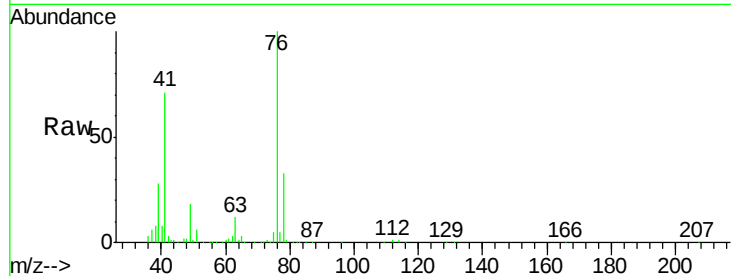
#57
 1,3-Dichloropropane
 Concen: 50.856 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 301017
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.2 37.8

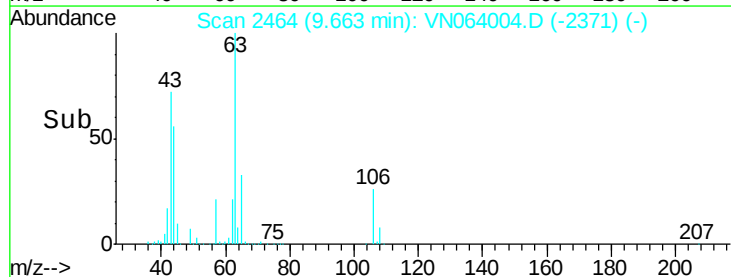
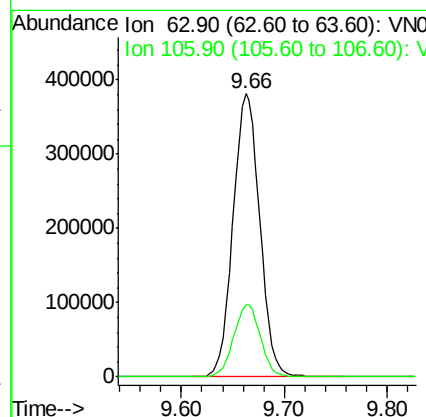
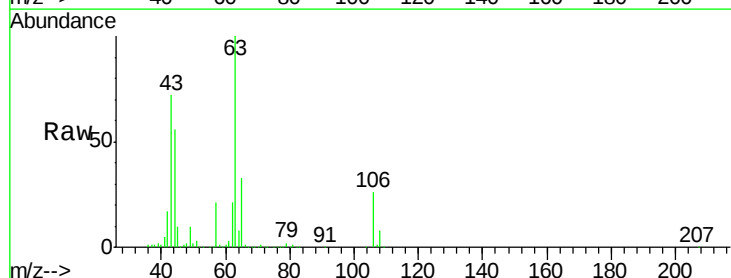
Manual Integrations
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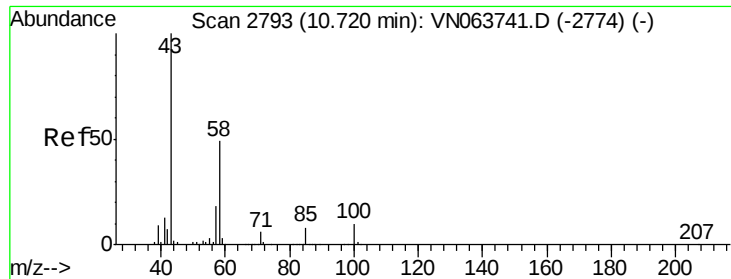
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#58
 2-Chloroethyl Vinyl ether
 Concen: 259.487 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion: 63 Resp: 688333
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.7 31.1





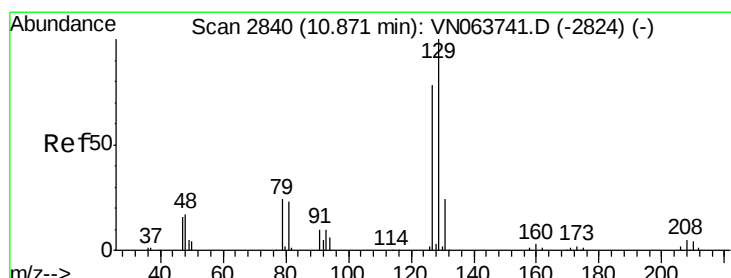
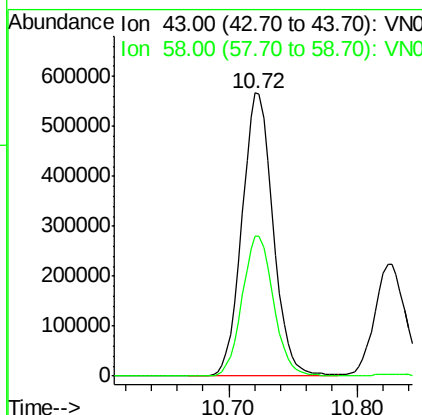
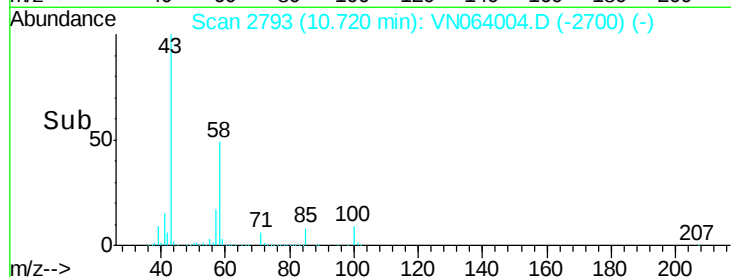
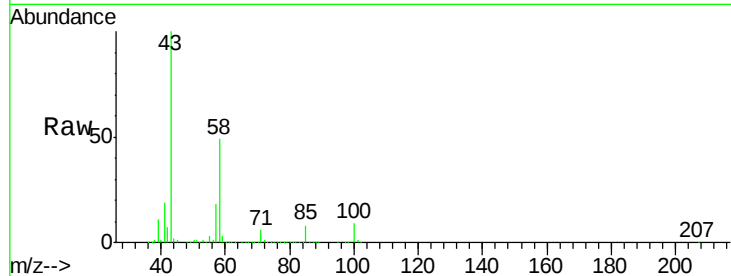
#59
2-Hexanone
Concen: 269.648 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 951246
Ion Ratio Lower Upper
43 100
58 50.0 24.6 73.8

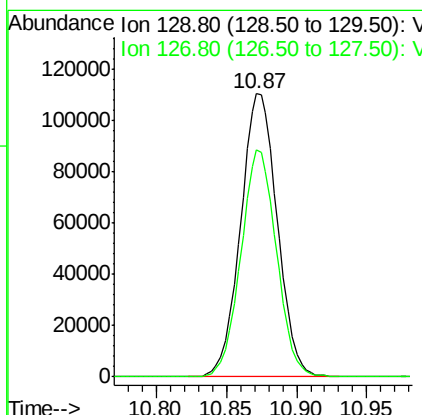
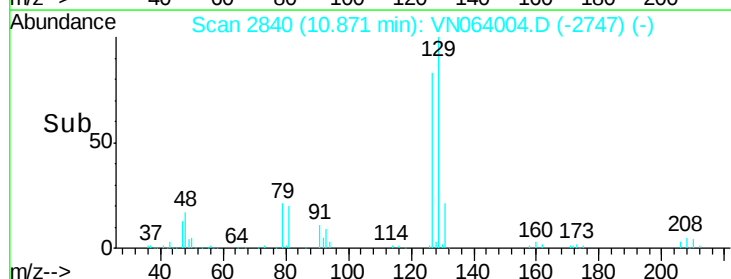
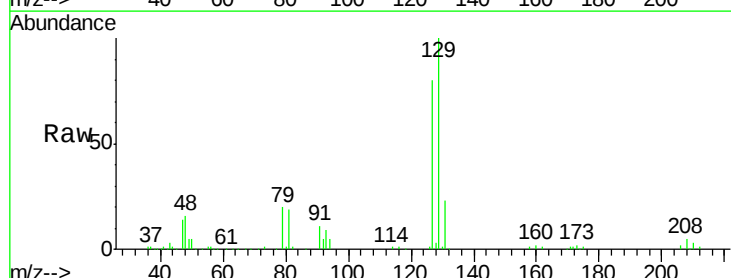
Manual Integrations
APPROVED

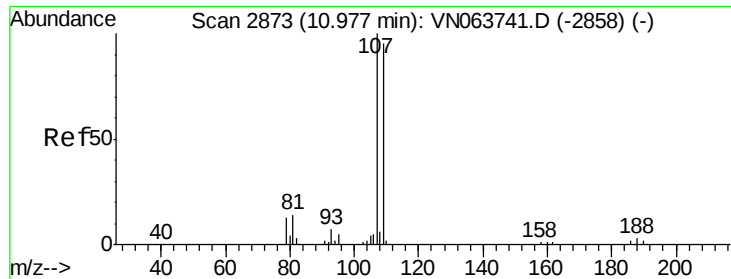
MMDadoda
10/9/2020 4:32:27 PM



#60
Dibromochloromethane
Concen: 49.447 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion: 129 Resp: 201468
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





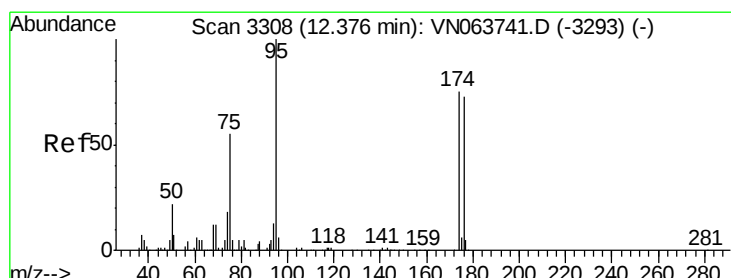
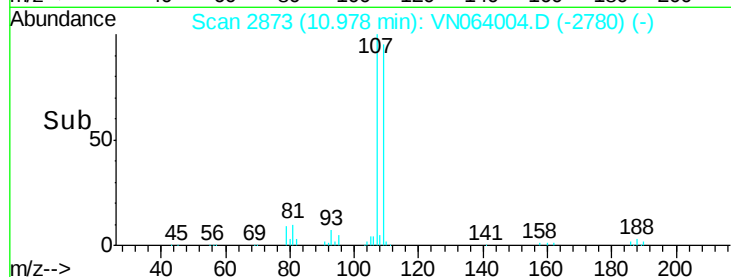
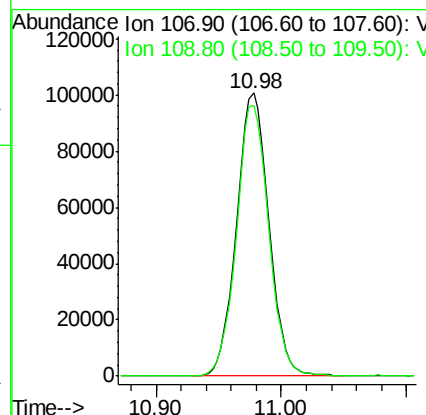
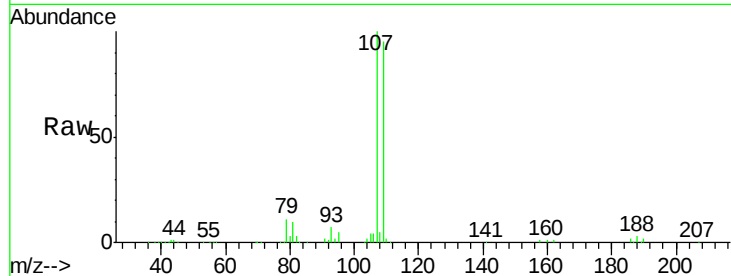
#61
 1,2-Dibromoethane
 Concen: 50.363 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.8	112.2

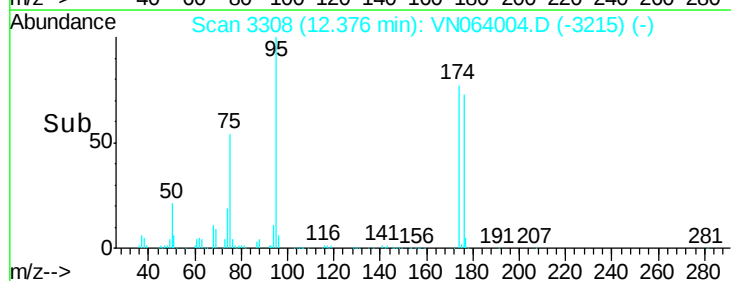
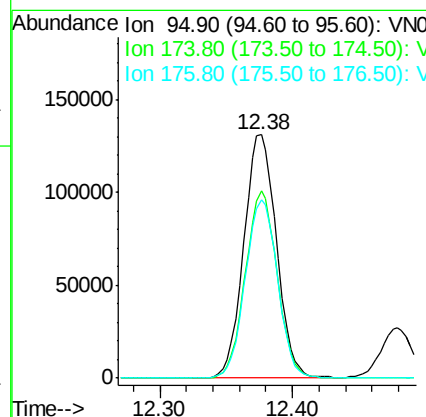
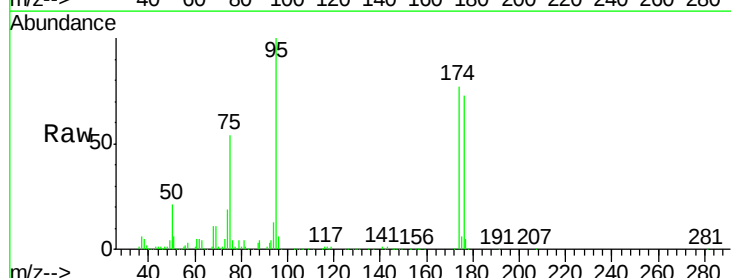
Manual Integrations
 APPROVED

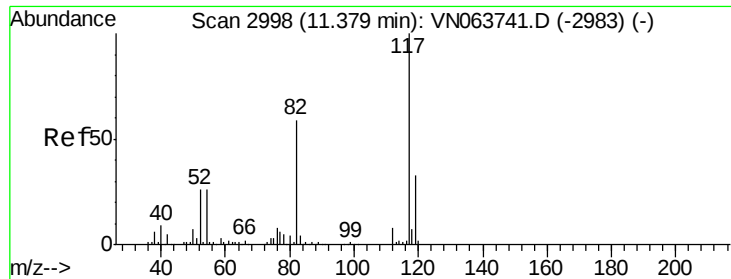
MMDadoda
 10/9/2020 4:32:27 PM



#62
 4-Bromofluorobenzene
 Concen: 46.323 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	150.6
176	72.7	0.0	145.4





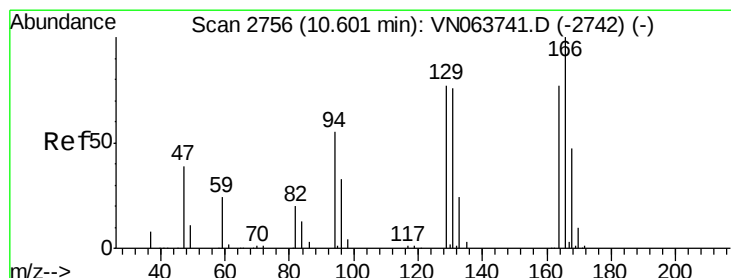
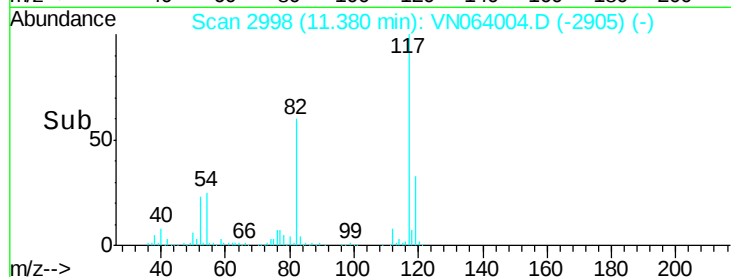
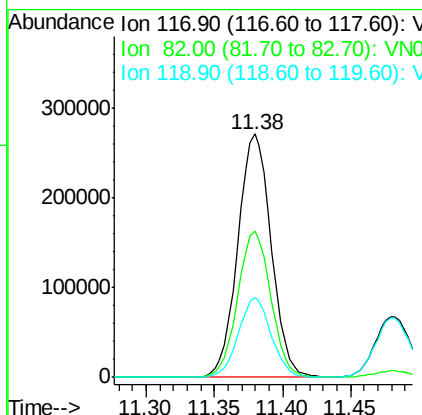
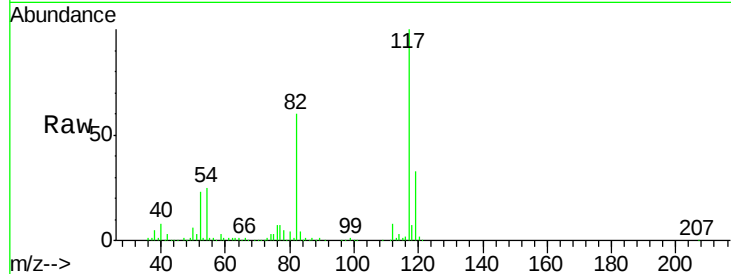
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.4	71.2
119	32.6	26.4	39.6

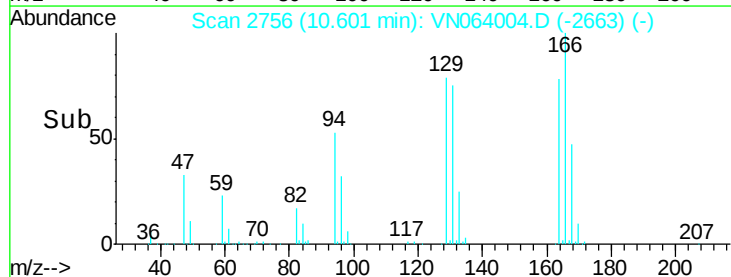
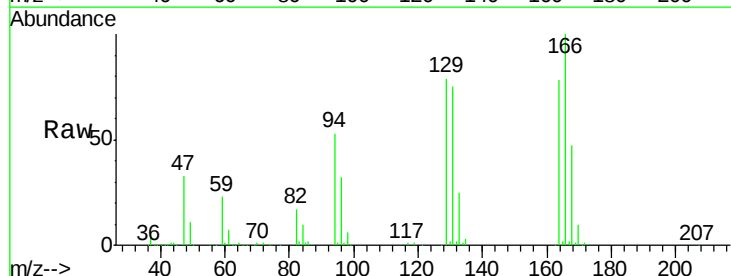
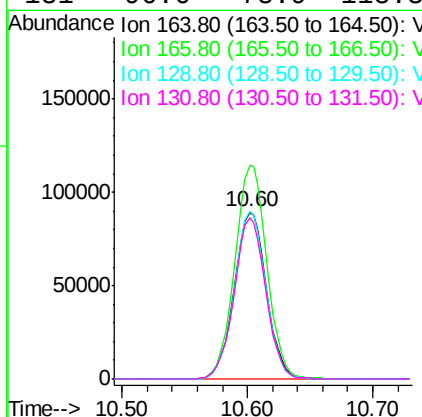
Manual Integrations
APPROVED

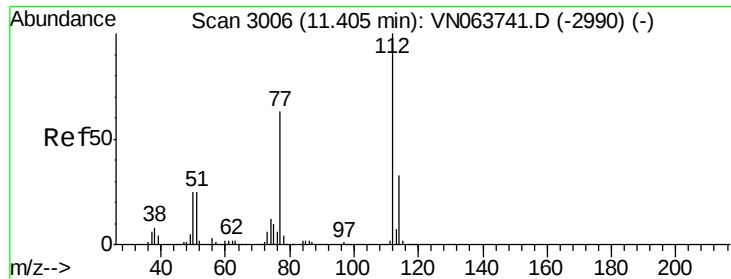
MMDadoda
10/9/2020 4:32:27 PM



#64
Tetrachloroethene
Concen: 44.443 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.9	155.9
129	100.7	80.3	120.5
131	96.6	78.9	118.3





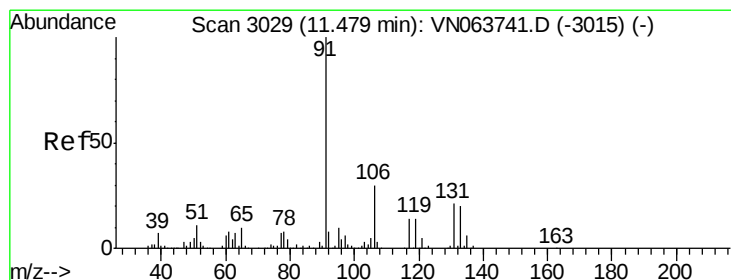
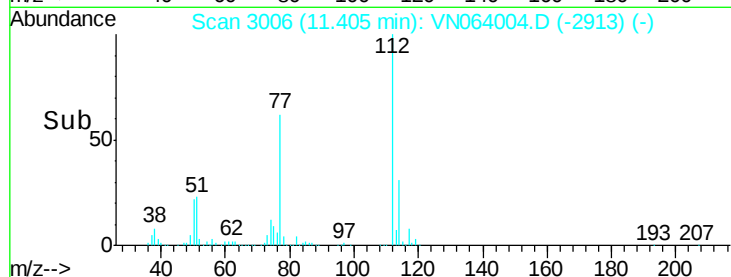
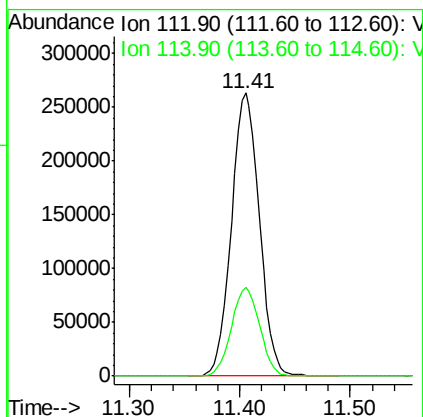
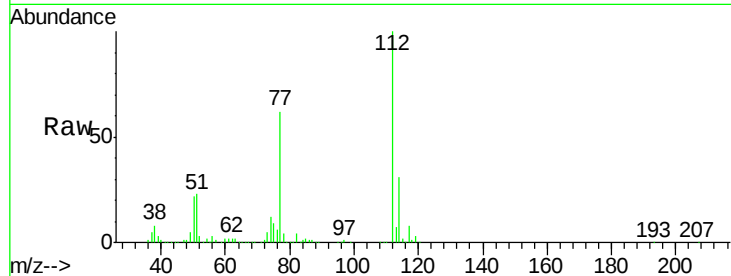
#65
Chlorobenzene
Concen: 48.905 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 462657
Ion Ratio Lower Upper
112 100
114 31.4 26.1 39.1

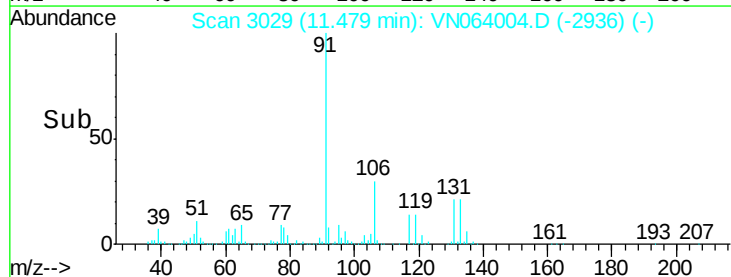
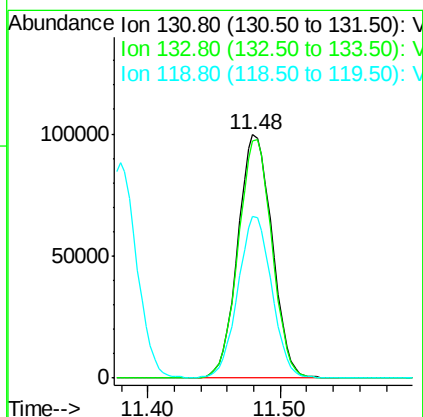
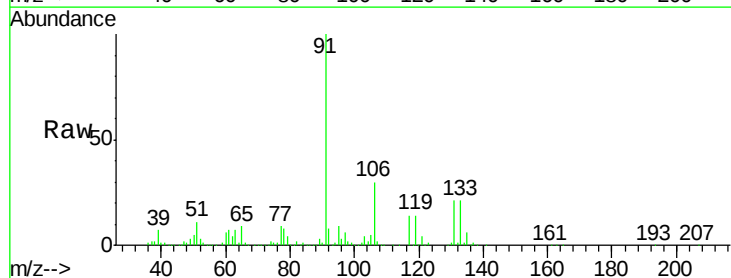
Manual Integrations
APPROVED

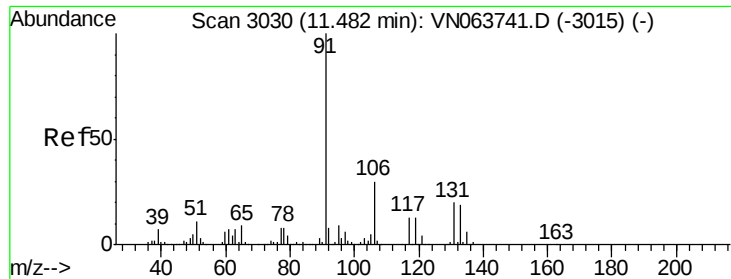
MMDadoda
10/9/2020 4:32:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.443 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion:131 Resp: 179323
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.8
119 65.7 32.6 97.7





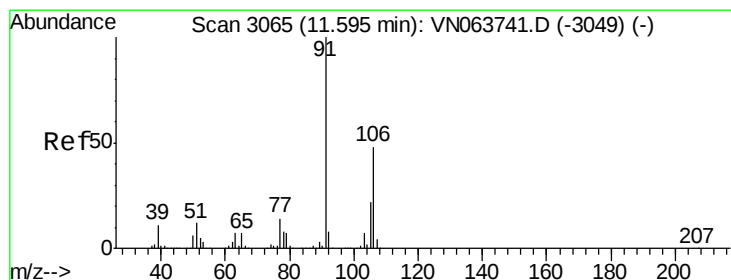
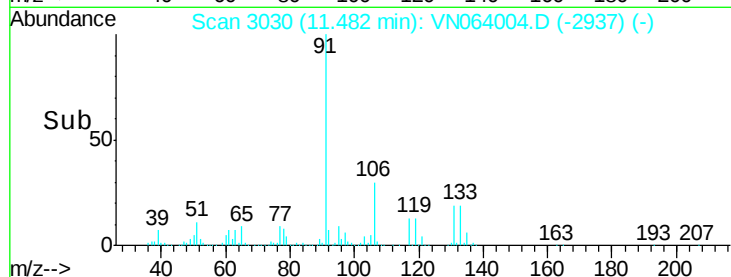
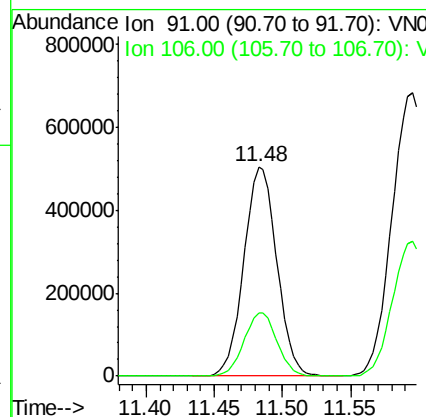
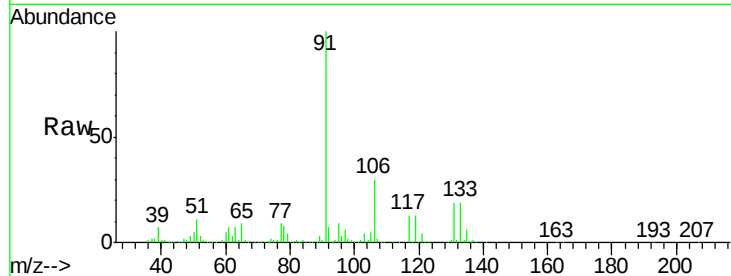
#67
Ethyl Benzene
Concen: 49.199 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 846931
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

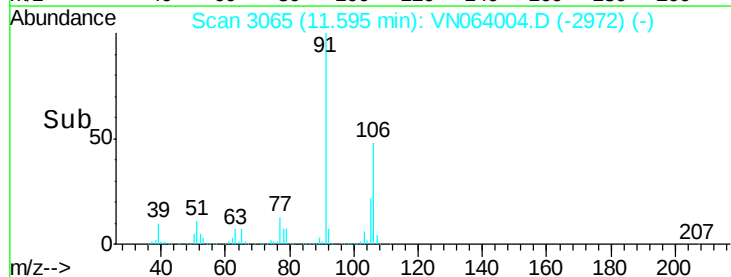
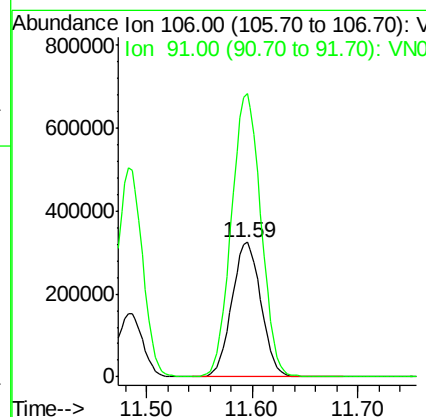
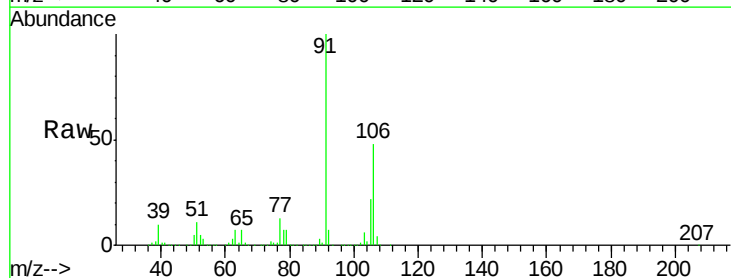
Manual Integrations
APPROVED

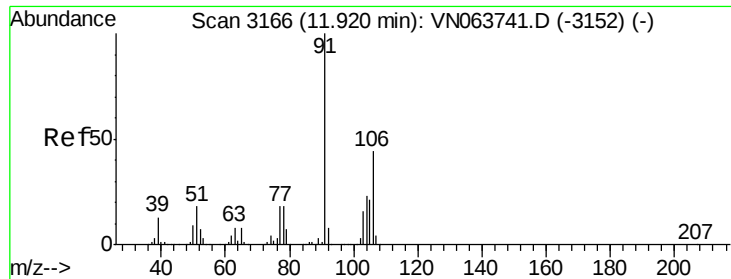
MMDadoda
10/9/2020 4:32:27 PM



#68
m/p-Xylenes
Concen: 96.631 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion: 106 Resp: 619965
Ion Ratio Lower Upper
106 100
91 213.2 168.0 252.0





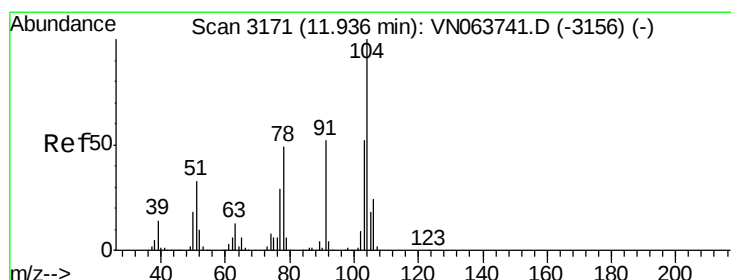
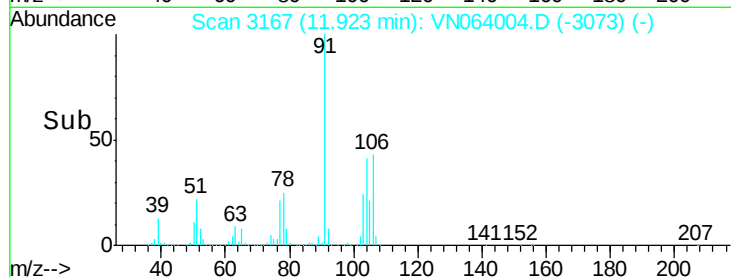
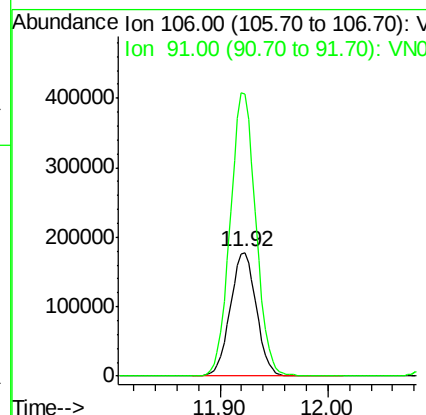
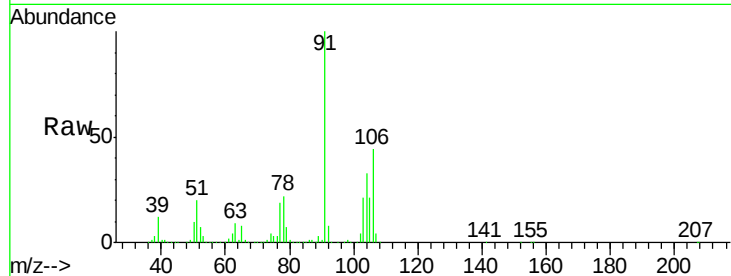
#69
o-Xylene
Concen: 49.691 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	225.9	112.7	338.0	

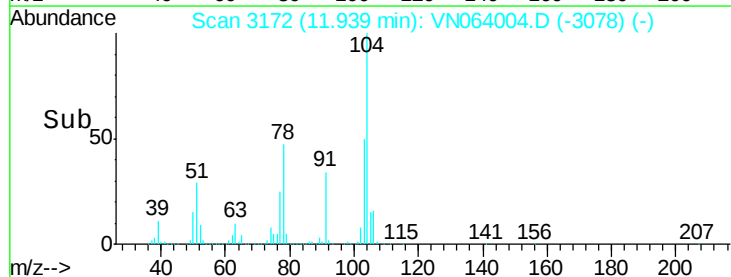
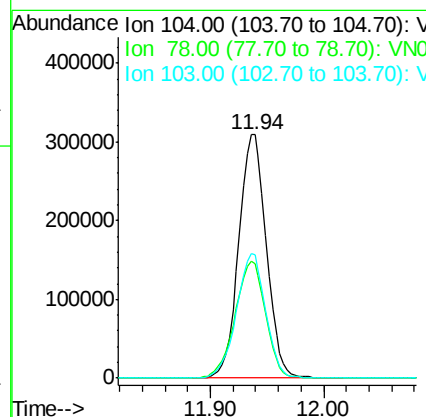
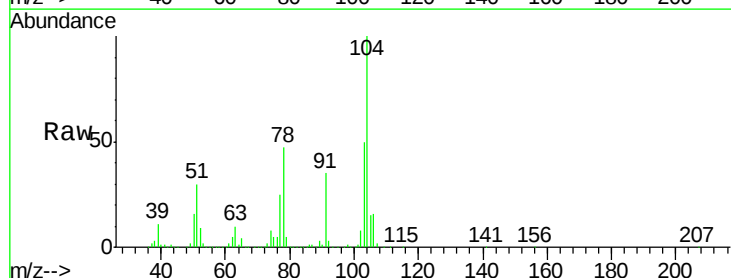
Manual Integrations
APPROVED

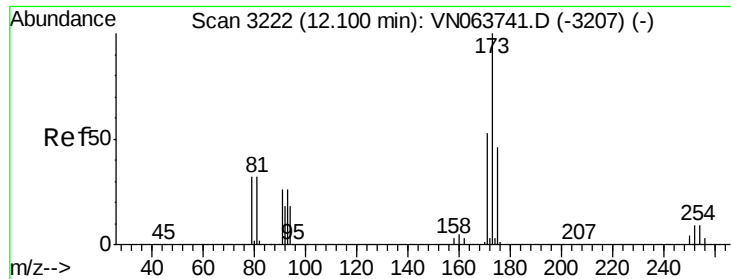
MMDadoda
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#70
Styrene
Concen: 51.686 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.0	44.1	66.1	
103	54.1	44.3	66.5	





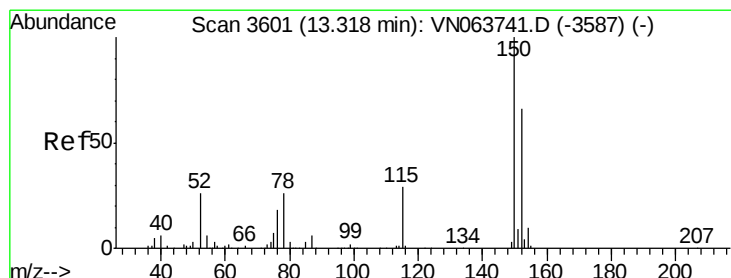
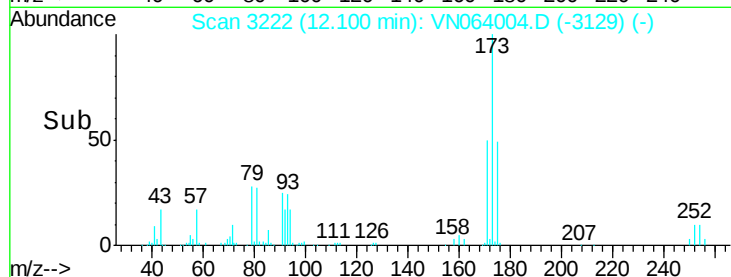
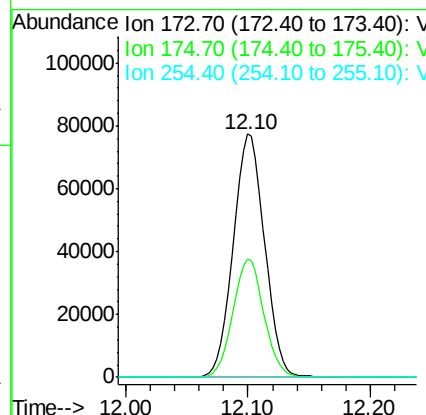
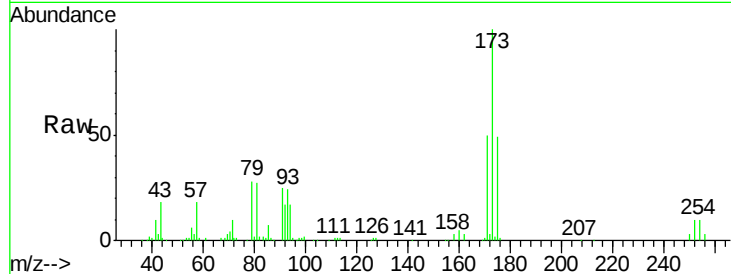
#71
Bromoform
Concen: 49.982 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.5
254	0.0	0.0	0.0

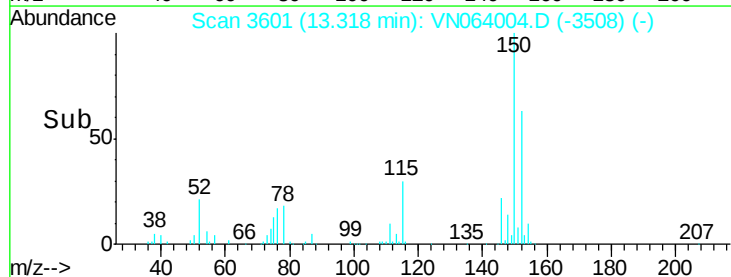
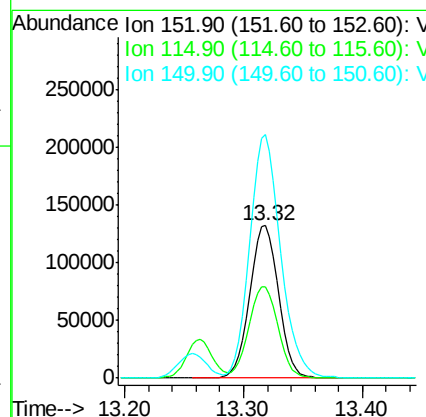
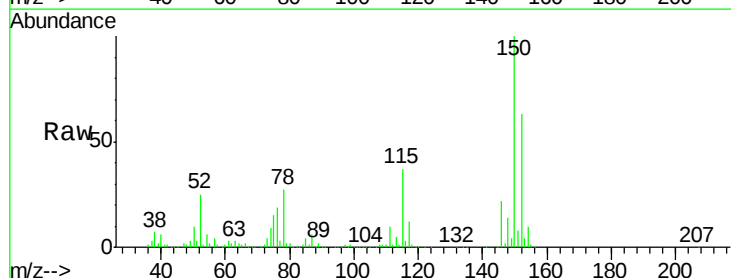
Manual Integrations
APPROVED

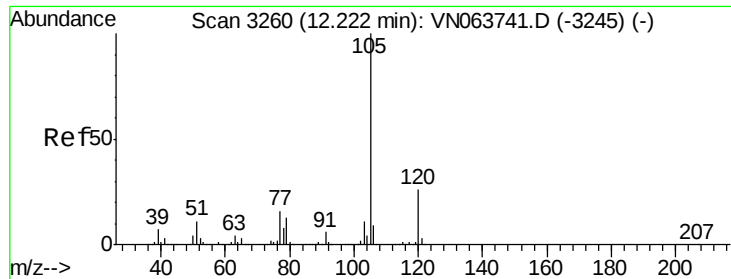
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.3	93.8
150	170.8	0.0	341.8





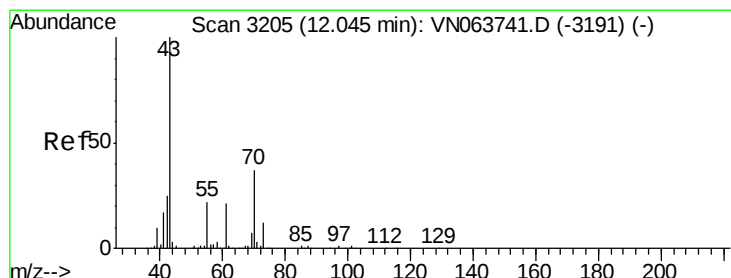
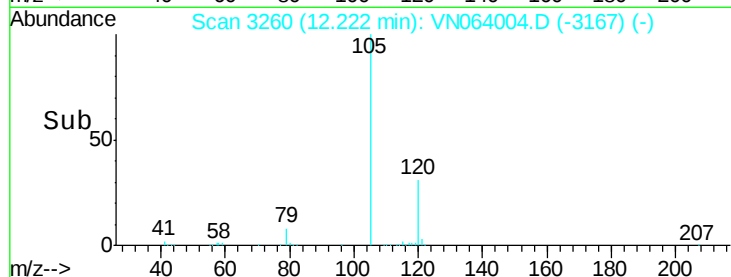
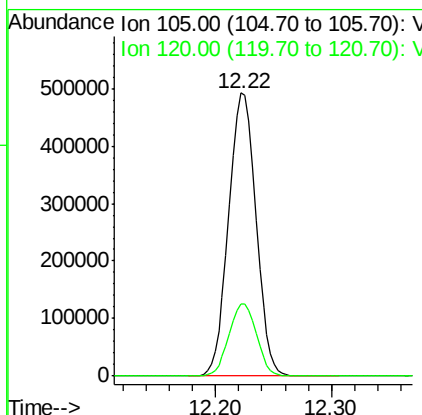
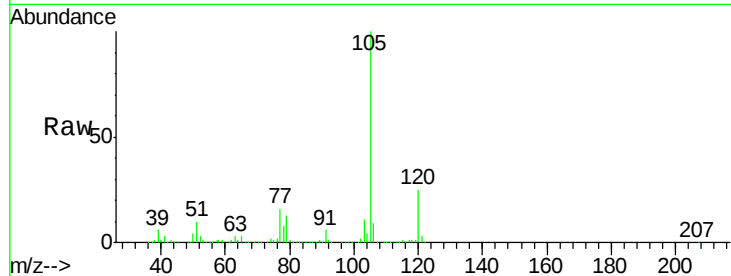
#73
Isopropylbenzene
Concen: 49.626 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.6	37.8

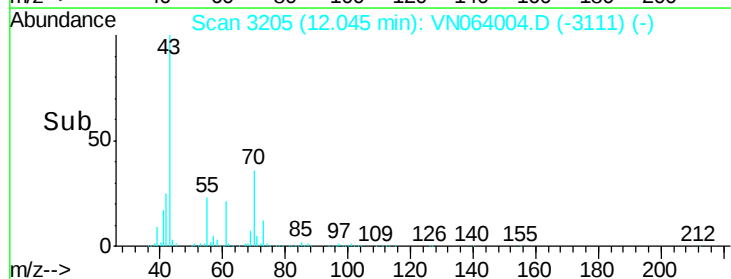
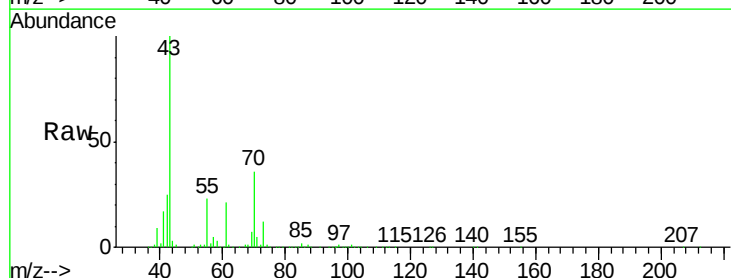
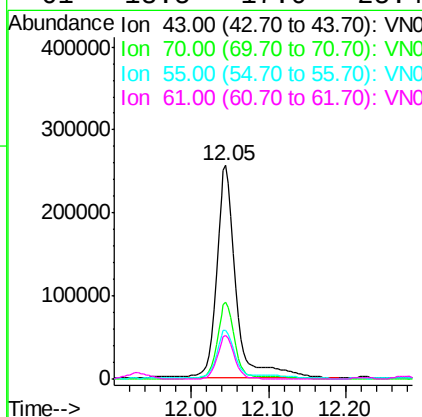
Manual Integrations
APPROVED

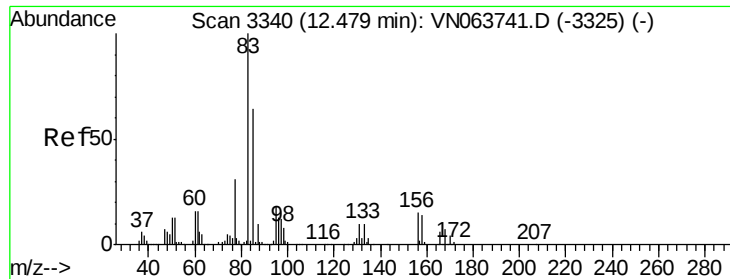
MMDadoda
10/9/2020 4:32:27 PM



#74
N-ethyl acetate
Concen: 59.467 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	31.3	29.8	44.8
55	21.4	17.9	26.9
61	18.5	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.345 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

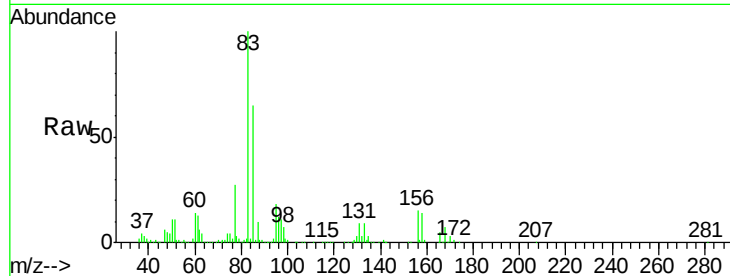
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	254011
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	64.9	31.3	93.8

Manual Integrations
APPROVED

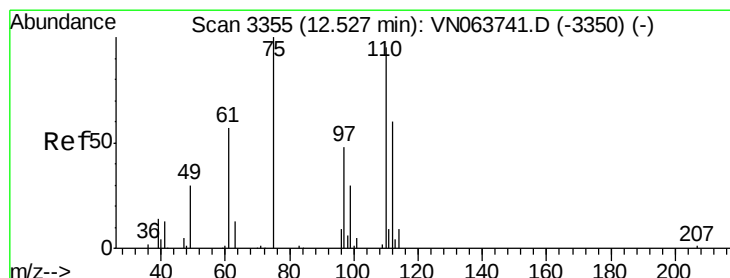
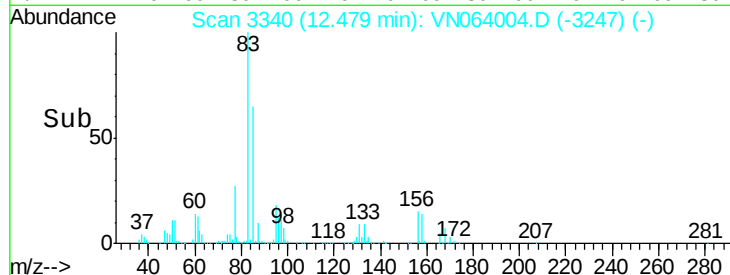
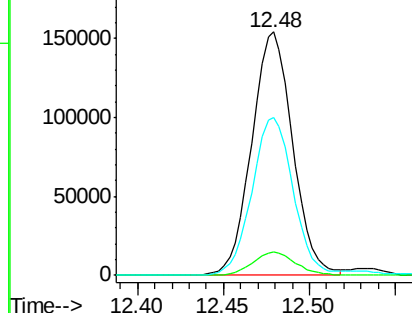
MMDadoda
10/9/2020 4:32:27 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064004.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN064004.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN064004.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 47.469 ug/l m

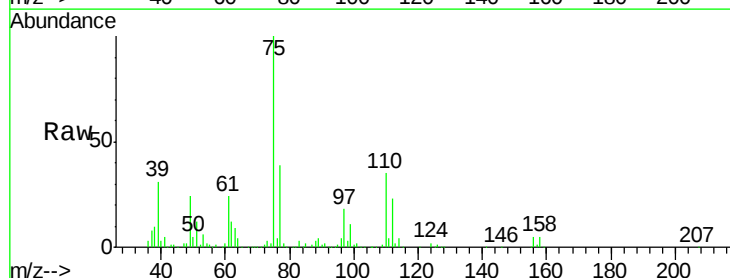
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064004.D

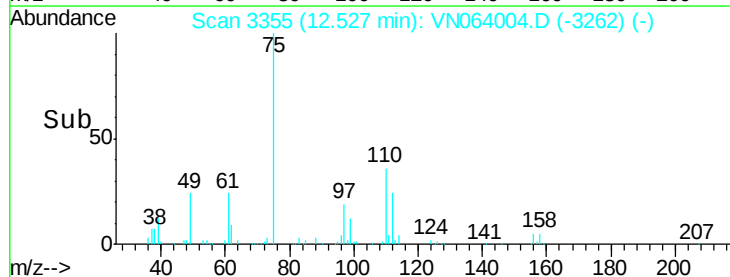
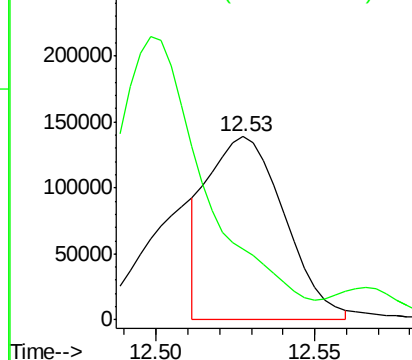
Acq: 8 Oct 2020 20:29

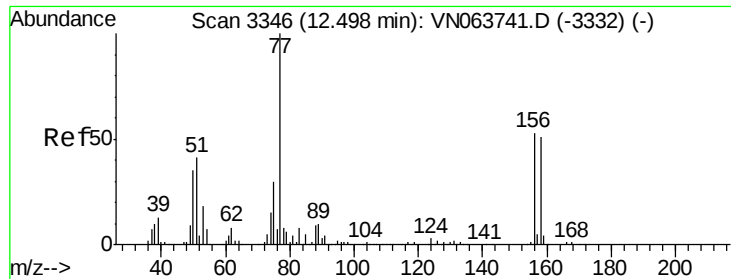
Tgt Ion:	75	Resp:	232096
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064004.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064004.D (-3262) (-)





#77

Bromobenzene

Concen: 51.180 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

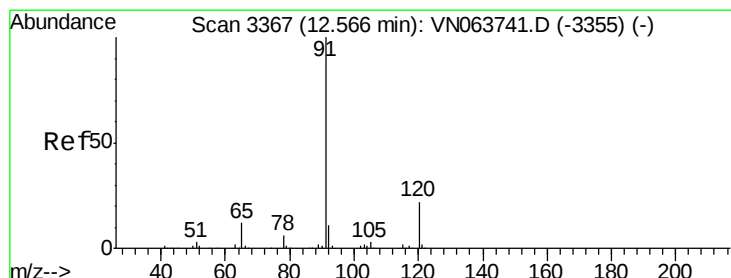
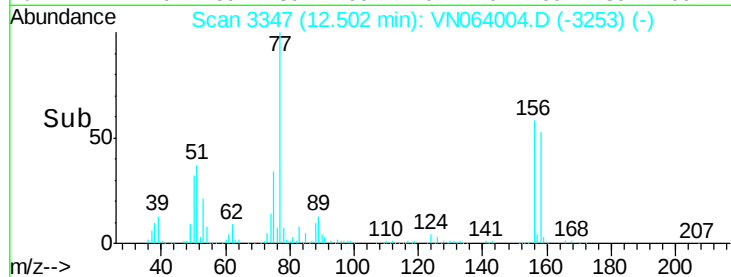
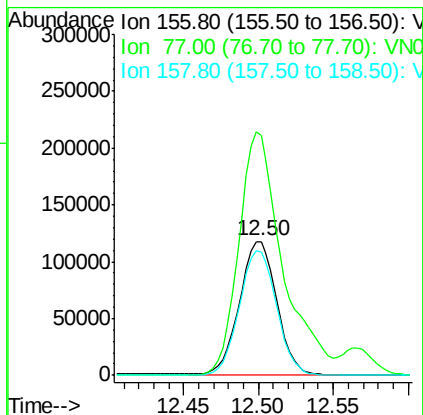
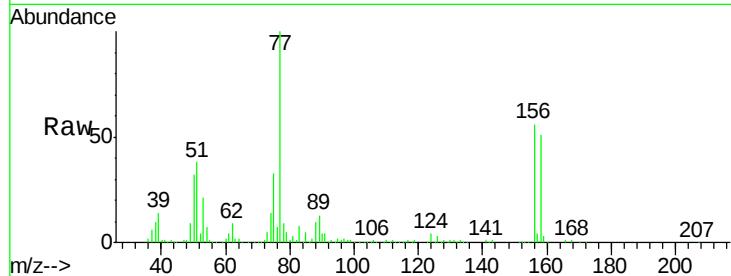
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.7	110.9	332.7
158	94.0	47.7	143.1

Manual Integrations
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#78

n-propylbenzene

Concen: 48.578 ug/l

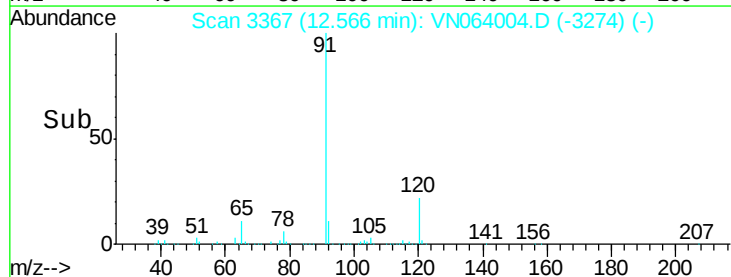
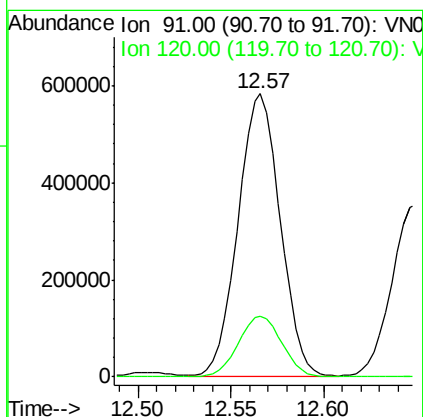
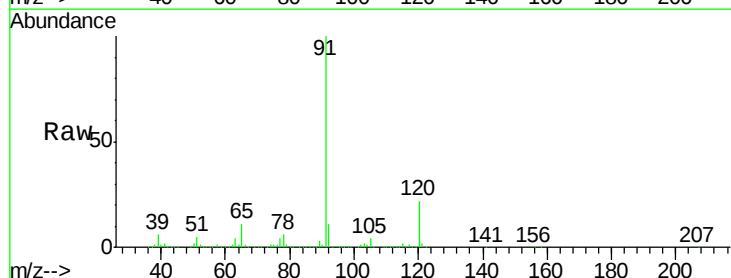
RT: 12.57 min Scan# 3367

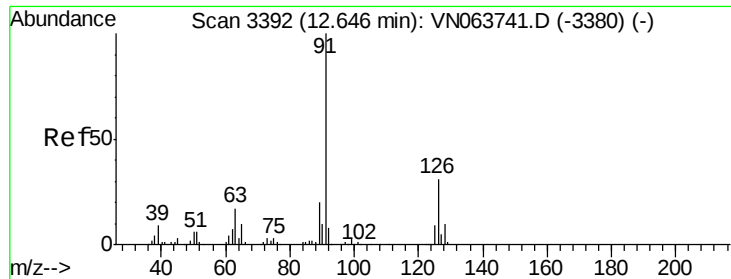
Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





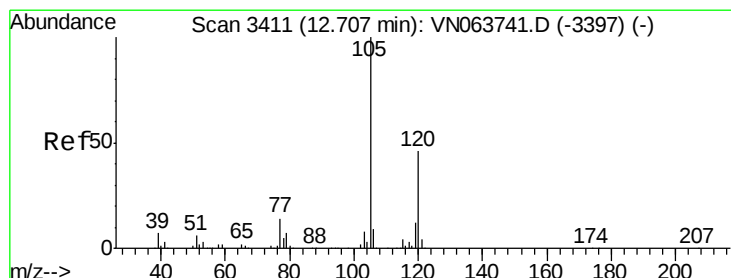
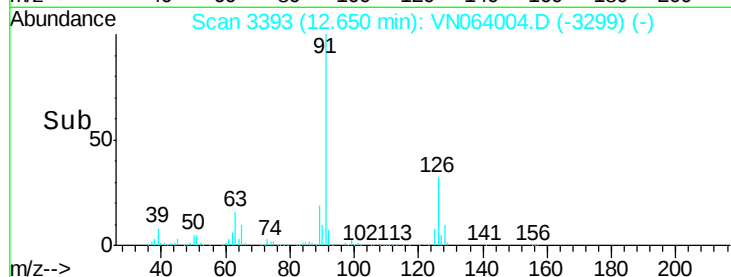
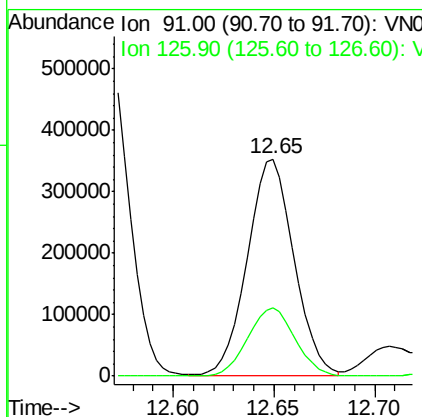
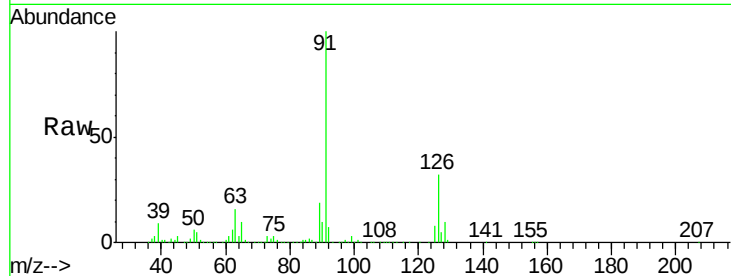
#79
 2-Chlorotoluene
 Concen: 48.965 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 566998
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.9 47.7

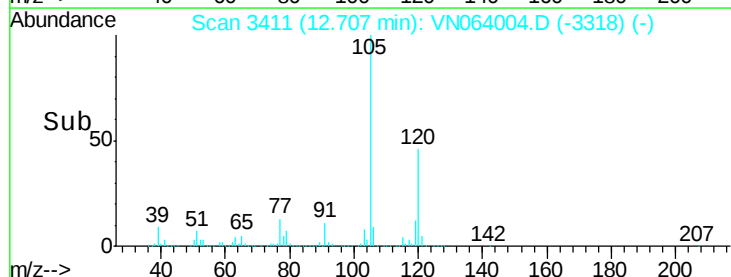
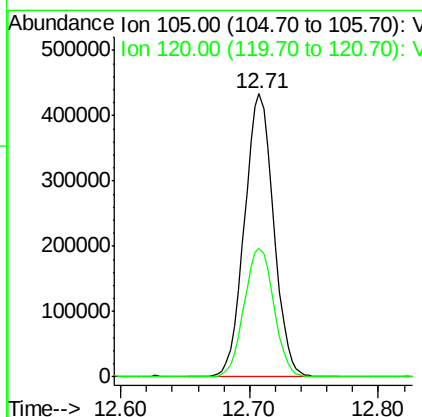
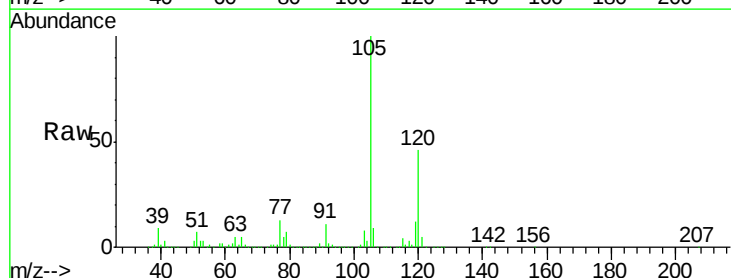
Manual Integrations
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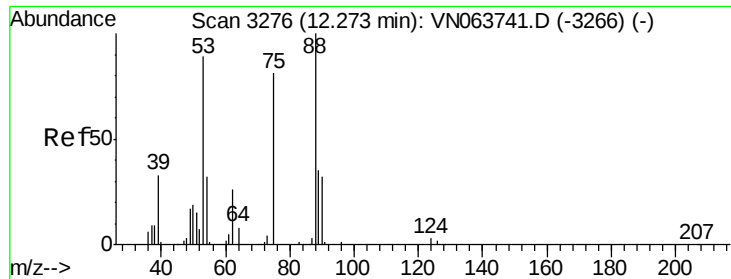
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.996 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion: 105 Resp: 678578
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.169 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

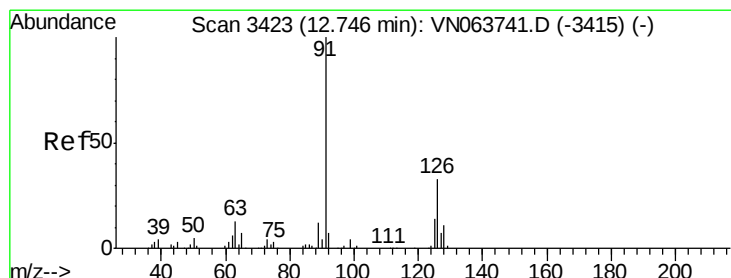
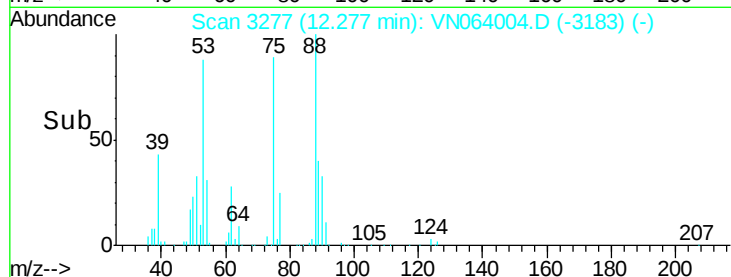
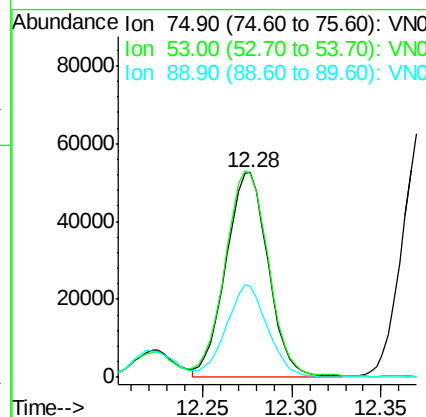
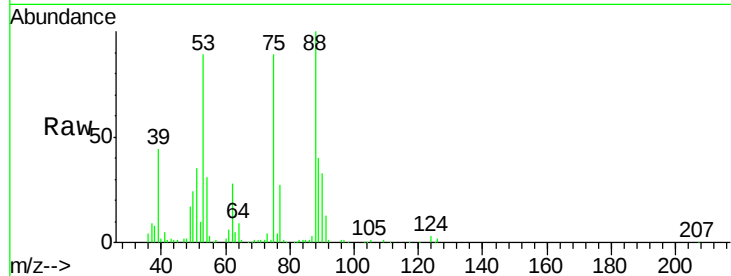
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	86867
Ion Ratio	Lower	Upper	
75	100		
53	103.2	88.2	132.2
89	44.6	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.031 ug/l

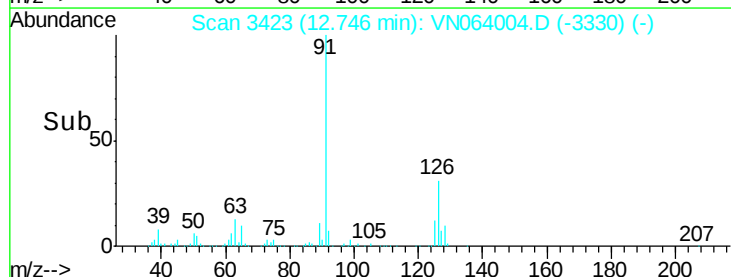
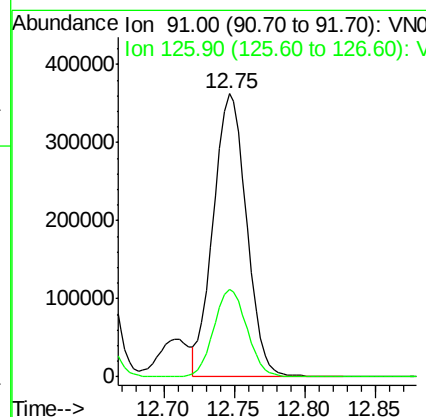
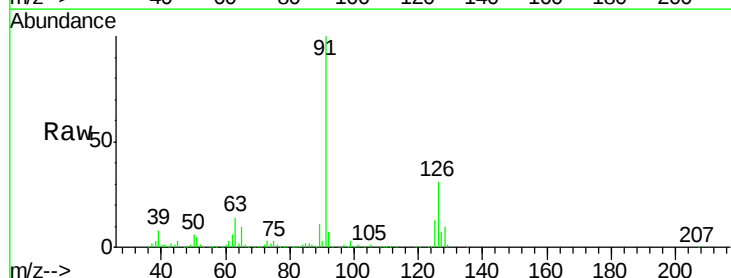
RT: 12.75 min Scan# 3423

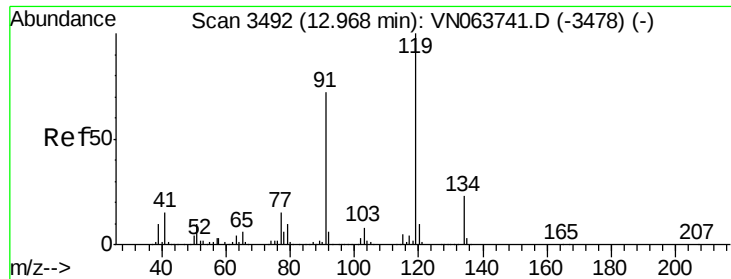
Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Tgt Ion:	91	Resp:	589398
Ion Ratio	Lower	Upper	
91	100		
126	31.3	15.4	46.2





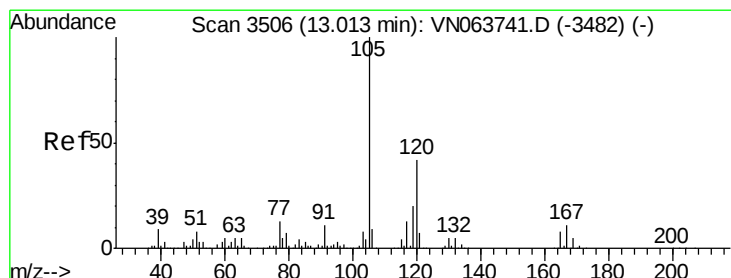
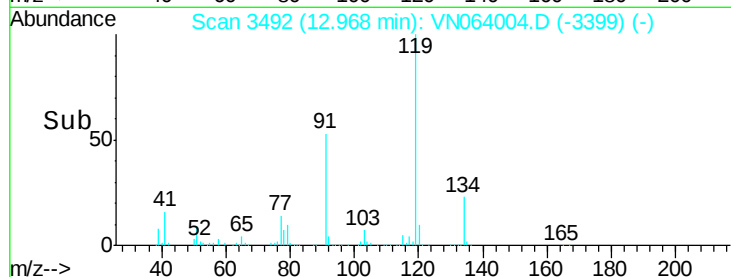
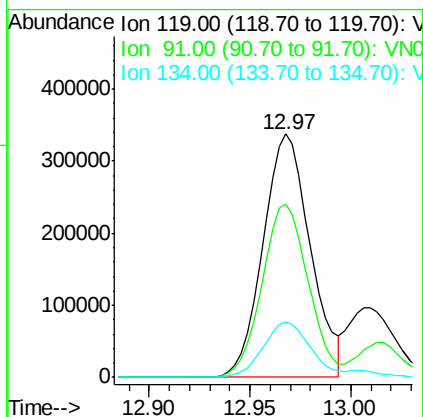
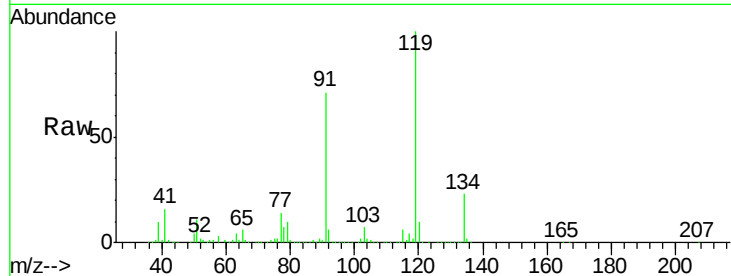
#83
tert-Butylbenzene
Concen: 49.558 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	35.5	106.5
134	22.7	11.7	35.1

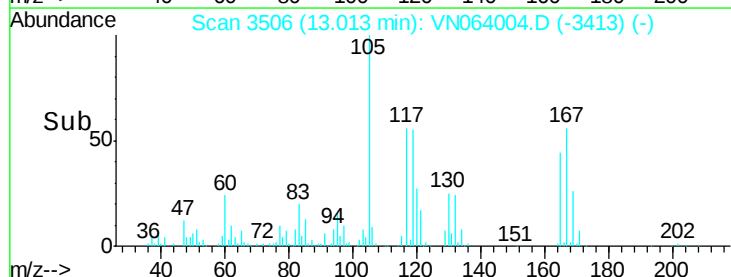
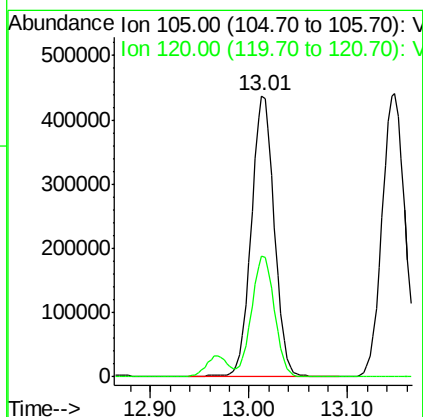
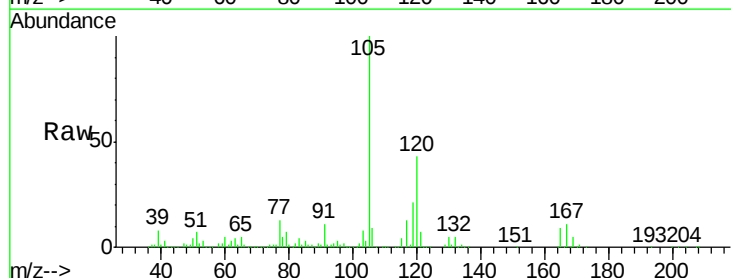
Manual Integrations
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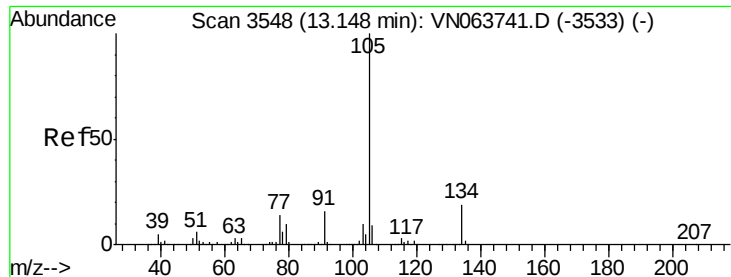
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#84
1,2,4-Trimethylbenzene
Concen: 51.726 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	20.9	62.7





#85

sec-Butylbenzene

Concen: 48.822 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 711931

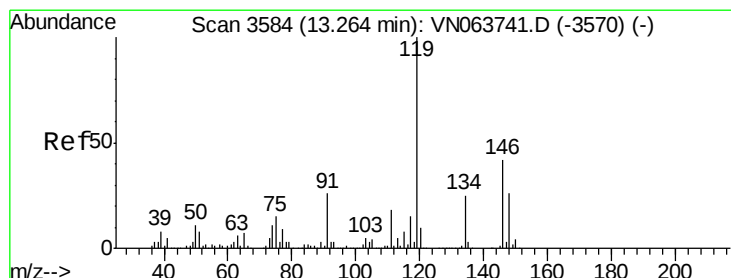
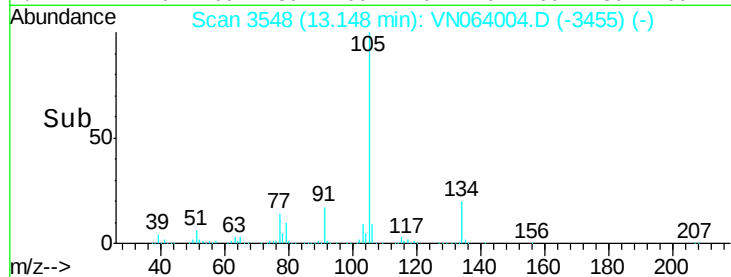
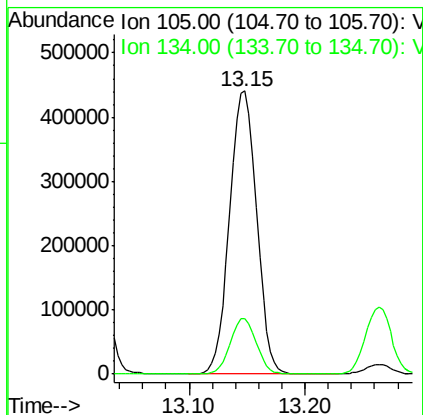
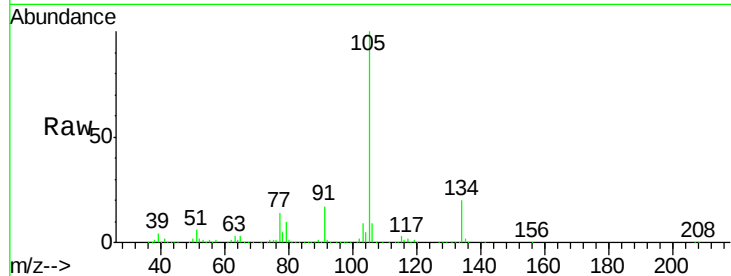
Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.623 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

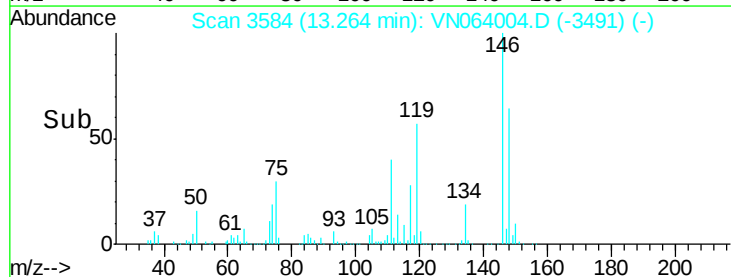
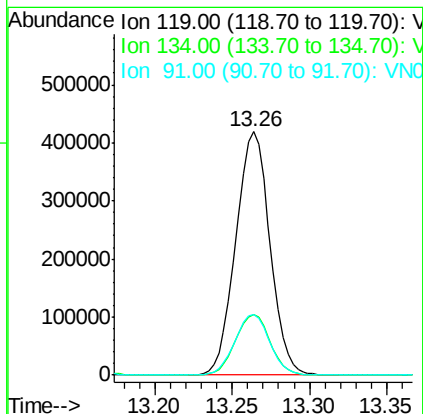
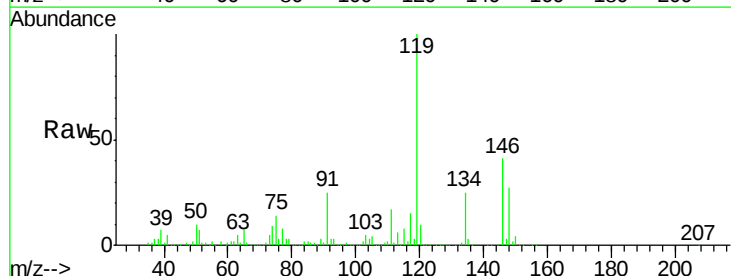
Tgt Ion:119 Resp: 640138

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

91 25.4 13.4 40.2





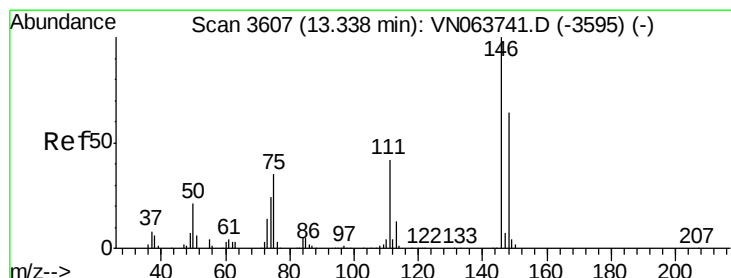
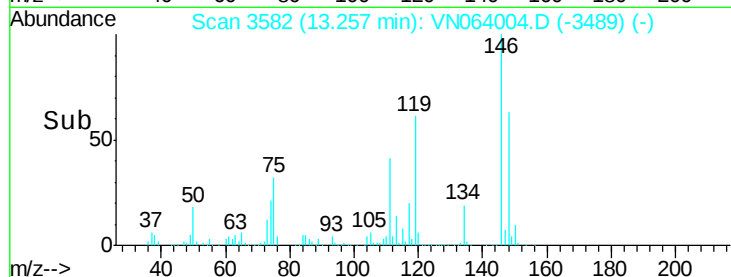
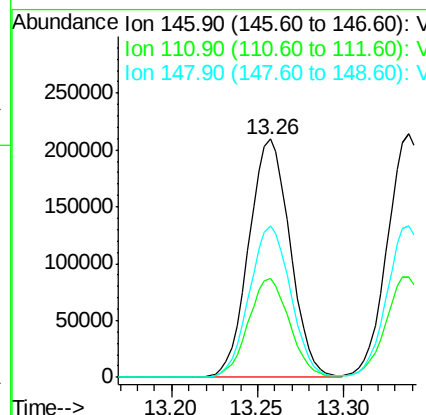
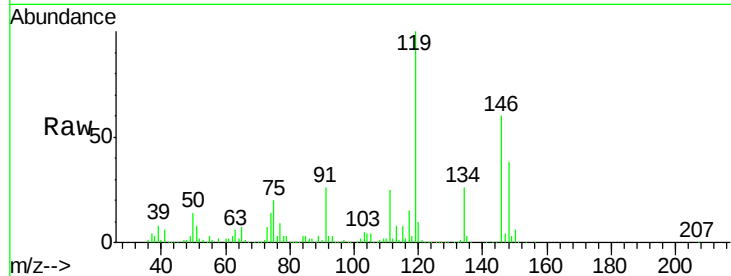
#87
 1,3-Dichlorobenzene
 Concen: 48.566 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.5	64.5
148	63.6	31.1	93.3

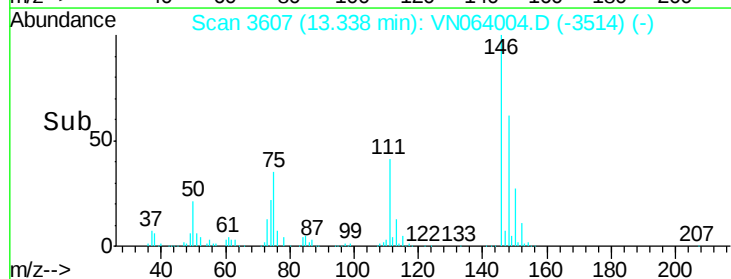
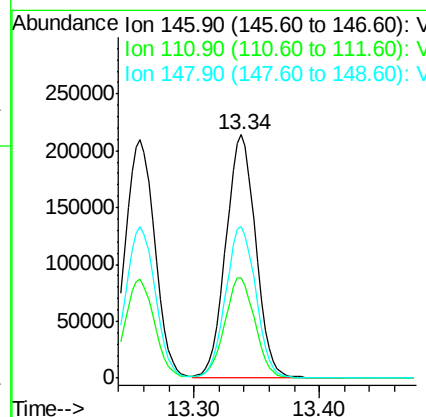
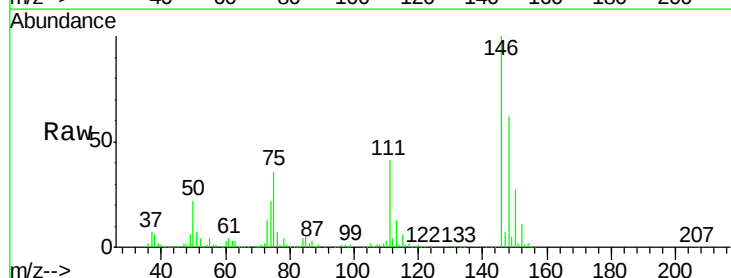
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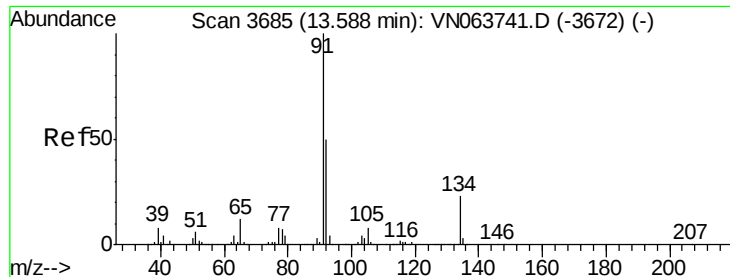
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#88
 1,4-Dichlorobenzene
 Concen: 47.171 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.7
148	62.9	32.0	96.0





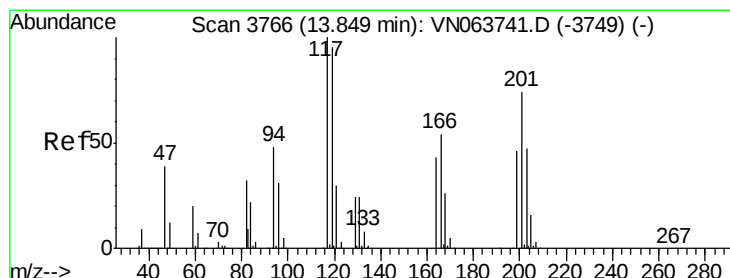
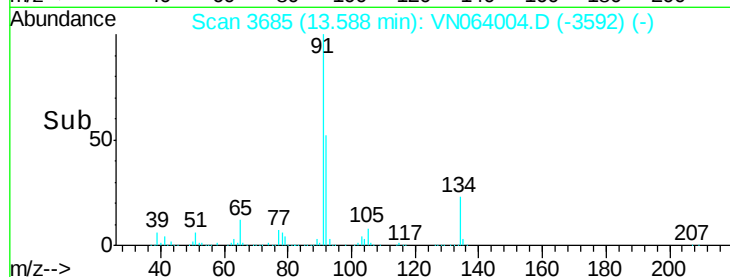
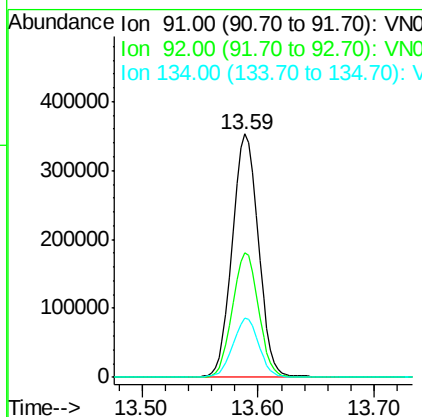
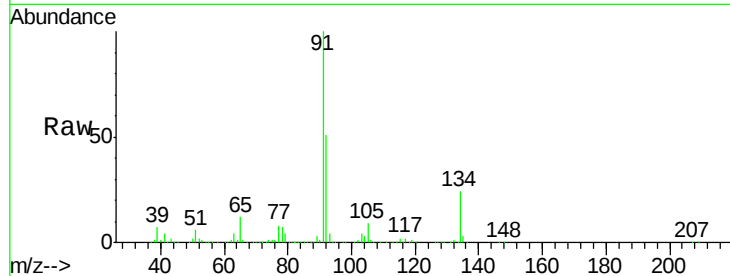
#89
n-Butylbenzene
Concen: 45.899 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.4	76.4
134	24.0	11.7	35.1

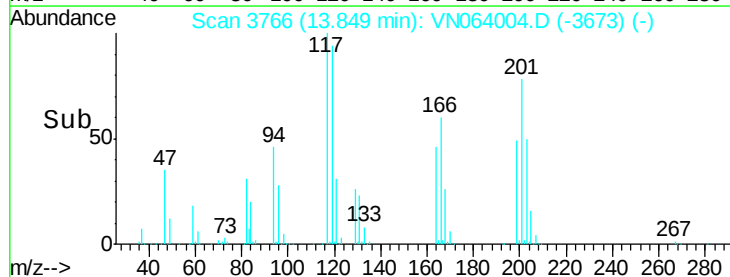
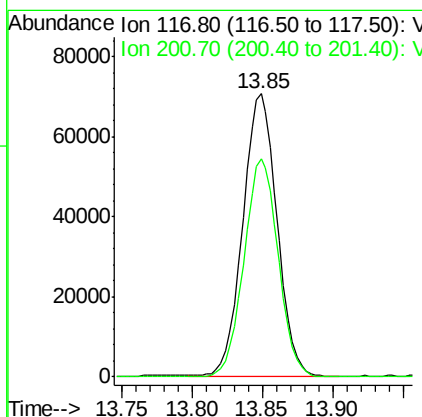
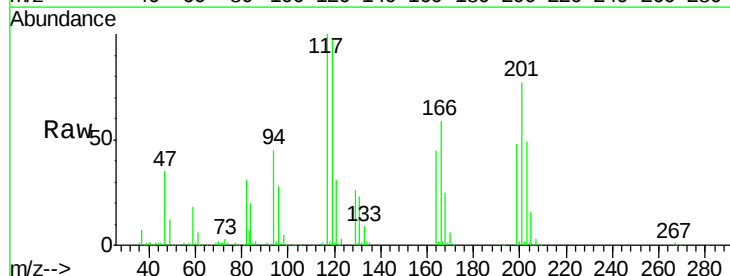
Manual Integrations
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#90
Hexachloroethane
Concen: 47.860 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064004.D
Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.2	36.0	108.0





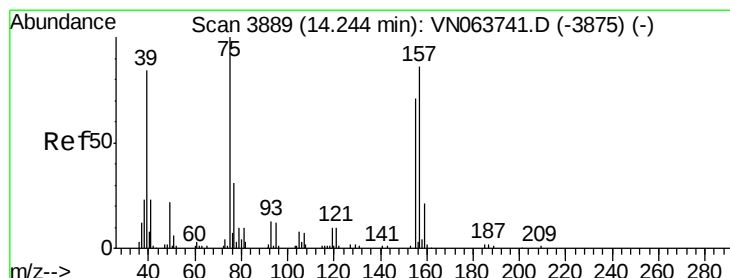
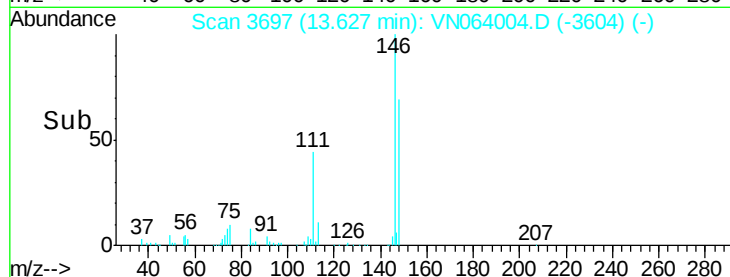
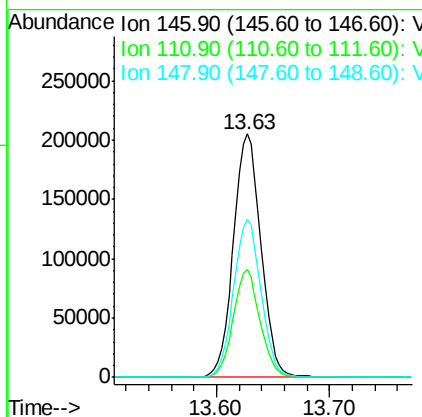
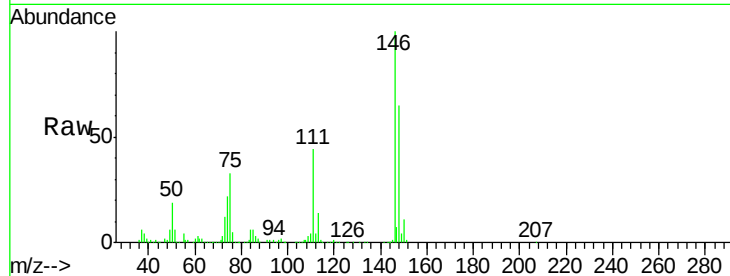
#91
 1,2-Dichlorobenzene
 Concen: 48.972 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.2	66.6
148	64.7	32.5	97.4

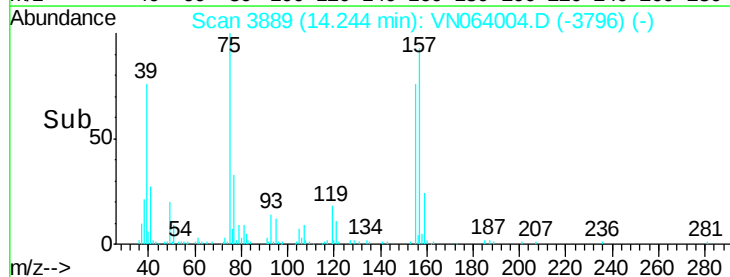
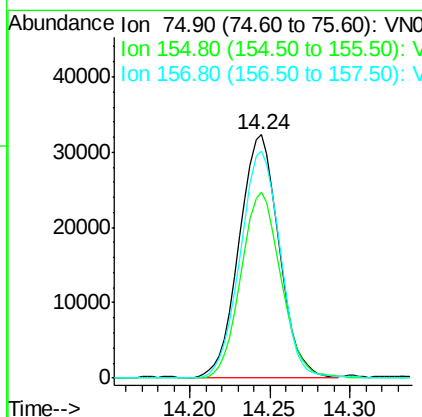
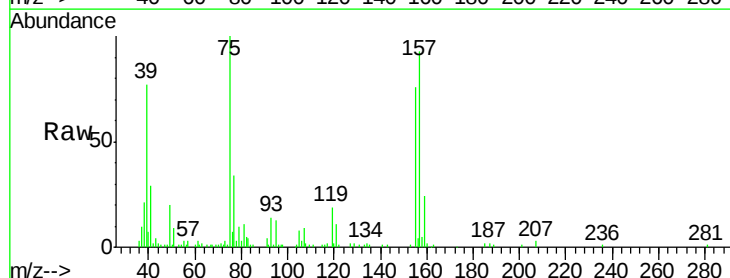
Manual Integrations
 APPROVED

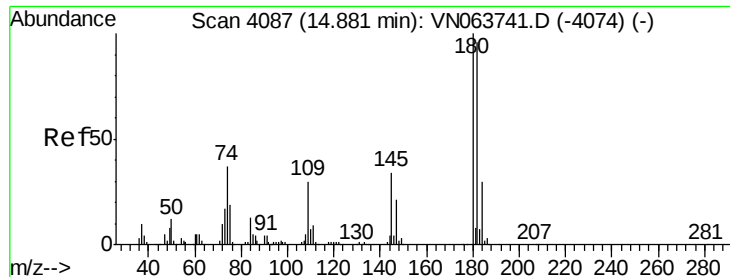
MMDadoda
 10/9/2020 4:32:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.510 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	34.8	104.5
157	93.2	43.7	131.1





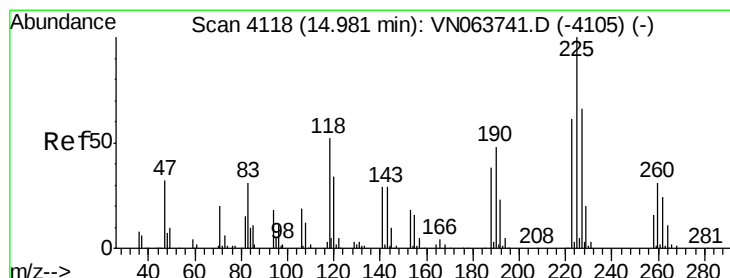
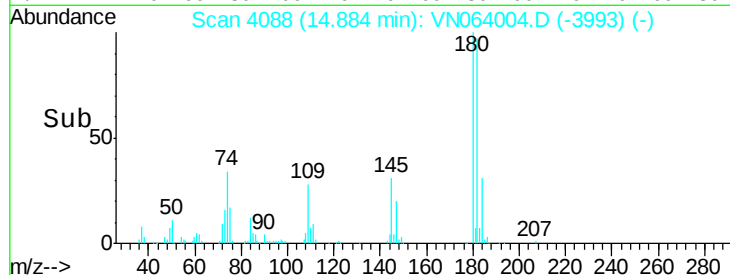
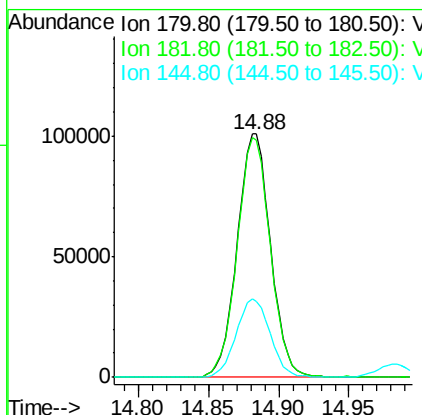
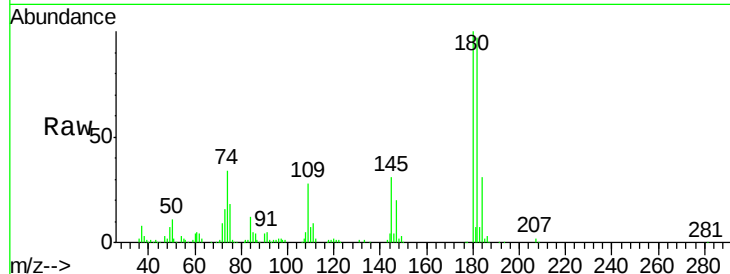
#93
 1,2,4-Trichlorobenzene
 Concen: 43.479 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	167271		
182	97.8	48.2	144.6	
145	32.9	17.1	51.2	

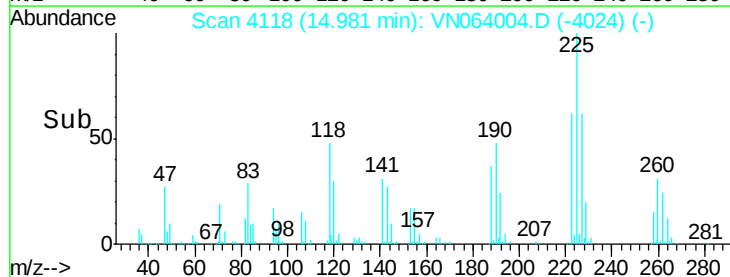
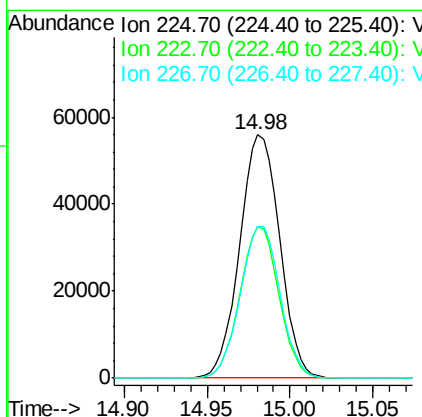
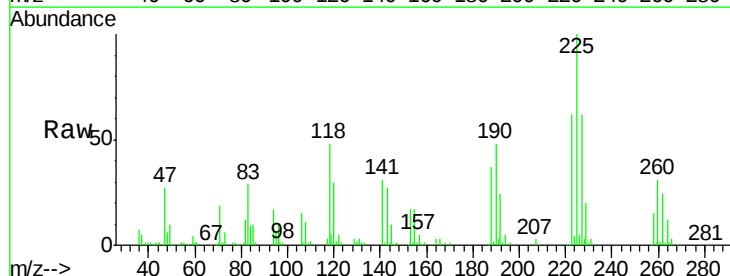
Manual Integrations
 APPROVED

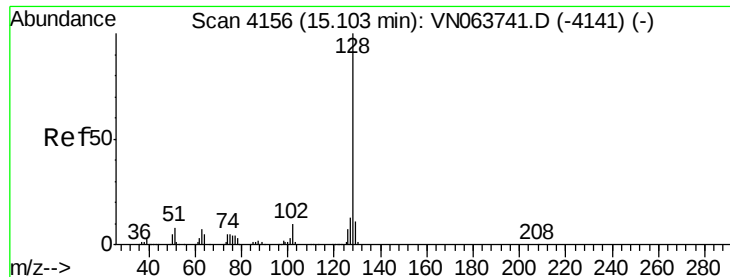
MMDadoda
 10/9/2020 4:32:27 PM



#94
 Hexachlorobutadiene
 Concen: 48.770 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064004.D
 Acq: 8 Oct 2020 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94060		
223	60.6	30.3	91.0	
227	61.8	31.9	95.5	





#95

Naphthalene

Concen: 50.321 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Instrument :

MSVOA_N

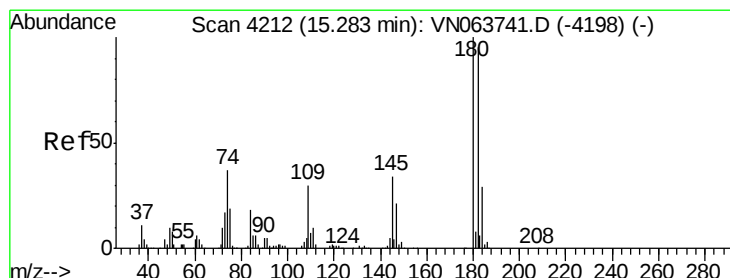
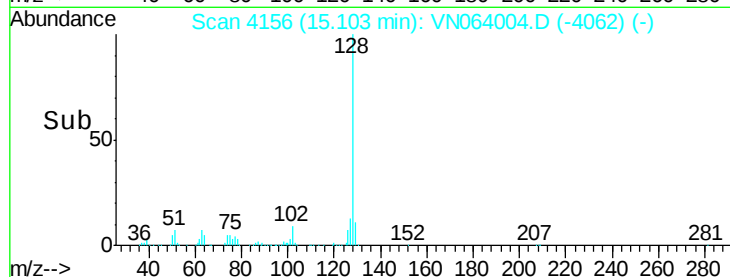
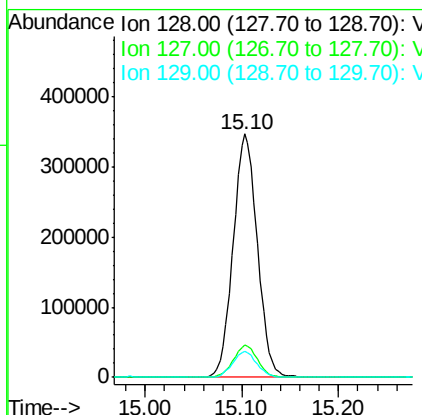
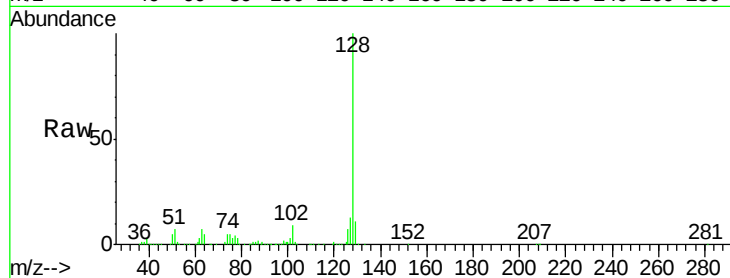
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	602403
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:32:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.865 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064004.D

Acq: 8 Oct 2020 20:29

Tgt Ion:	180	Resp:	171561
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.9	143.6
145	33.3	17.2	51.5

