

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065068.D
 Acq On : 11 Dec 2020 4:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:33:13 PM

Quant Time: Dec 11 05:12:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	183853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	294151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.31	152	128878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	110571	50.51	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.02%
35) Dibromofluoromethane	7.55	113	95498	49.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.14%
50) Toluene-d8	10.06	98	350893	47.00	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.00%
62) 4-Bromofluorobenzene	12.37	95	123858	48.40	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	55274	47.475	ug/l	98
3) Chloromethane	2.04	50	82004	52.251	ug/l	100
4) Vinyl Chloride	2.17	62	90177	52.546	ug/l	95
5) Bromomethane	2.52	94	60072	51.618	ug/l	100
6) Chloroethane	2.67	64	60262	52.682	ug/l	98
7) Trichlorofluoromethane	2.99	101	128206	47.169	ug/l	96
8) Diethyl Ether	3.38	74	57145	52.947	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	75425	44.549	ug/l	100
10) Methyl Iodide	3.91	142	105768	51.635	ug/l	99
11) Tert butyl alcohol	4.75	59	72759	274.424	ug/l	98
12) 1,1-Dichloroethene	3.69	96	75534	47.650	ug/l	95
13) Acrolein	3.56	56	65338	304.719	ug/l	97
14) Allyl chloride	4.28	41	129104	50.257	ug/l	99
15) Acrylonitrile	4.93	53	231044	277.242	ug/l	99
16) Acetone	3.78	43	173436	223.388	ug/l	98
17) Carbon Disulfide	4.01	76	168805	46.610	ug/l	98
18) Methyl Acetate	4.28	43	110179	56.312	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	291951	54.637	ug/l	100
20) Methylene Chloride	4.50	84	101590	51.364	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	85616	49.471	ug/l	96
22) Diisopropyl ether	5.90	45	307141	54.844	ug/l	98
23) Vinyl Acetate	5.85	43	1201989	277.710	ug/l	100
24) 1,1-Dichloroethane	5.80	63	171173	51.601	ug/l	99
25) 2-Butanone	6.79	43	283488	264.776	ug/l	98
26) 2,2-Dichloropropane	6.78	77	123030	43.281	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	106122	50.786	ug/l	99
28) Bromochloromethane	7.15	49	77528	49.170	ug/l #	97
29) Tetrahydrofuran	7.17	42	187361	278.753	ug/l	98
30) Chloroform	7.33	83	181470	52.930	ug/l	99
31) Cyclohexane	7.61	56	111104	45.428	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	145370	49.499	ug/l	100
36) 1,1-Dichloropropene	7.75	75	114636	45.692	ug/l	100
37) Ethyl Acetate	6.88	43	118221	51.823	ug/l	99
38) Carbon Tetrachloride	7.73	117	124994	46.893	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	104839	42.518	ug/l	98
40) Benzene	8.00	78	384855	49.527	ug/l	99
41) Methacrylonitrile	7.13	41	54388	45.884	ug/l #	84
42) 1,2-Dichloroethane	8.08	62	135370	51.376	ug/l	99
43) Isopropyl Acetate	8.13	43	199341	52.570	ug/l #	91
44) Trichloroethene	8.80	130	103302	47.596	ug/l	95
45) 1,2-Dichloropropane	9.08	63	107760	51.264	ug/l	100
46) Dibromomethane	9.17	93	71744	52.686	ug/l	99
47) Bromodichloromethane	9.37	83	144411	51.773	ug/l	100
48) Methyl methacrylate	9.17	41	99603	55.332	ug/l	100
49) 1,4-Dioxane	9.17	88	34049	1047.596	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	625711	276.007	ug/l	99
52) Toluene	10.12	92	235262	48.314	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	150512	50.631	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	163655	49.220	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	107212	53.176	ug/l	99
56) Ethyl methacrylate	10.40	69	145872	54.787	ug/l	99
57) 1,3-Dichloropropane	10.68	76	175293	52.846	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	395099	278.472	ug/l	100
59) 2-Hexanone	10.72	43	445413	272.721	ug/l	100
60) Dibromochloromethane	10.87	129	119088	51.914	ug/l	100
61) 1,2-Dibromoethane	10.98	107	104694	51.876	ug/l	98
64) Tetrachloroethene	10.60	164	104533	46.312	ug/l	98
65) Chlorobenzene	11.41	112	265410	48.781	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	105273	50.335	ug/l	99
67) Ethyl Benzene	11.48	91	429736	47.338	ug/l	100
68) m/p-Xylenes	11.59	106	337357	95.890	ug/l	98
69) o-Xylene	11.92	106	164542	49.005	ug/l	100
70) Styrene	11.94	104	287245	50.582	ug/l	99
71) Bromoform	12.10	173	83350	52.468	ug/l #	97
73) Isopropylbenzene	12.22	105	417406	48.706	ug/l	99
74) N-amyl acetate	12.04	43	170852	55.346	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	140462	53.964	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	128343m	51.124	ug/l	
77) Bromobenzene	12.50	156	114016	50.029	ug/l	98
78) n-propylbenzene	12.57	91	469579	48.576	ug/l	99
79) 2-Chlorotoluene	12.65	91	291785	49.350	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	357096	49.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	47019	53.309	ug/l	100
82) 4-Chlorotoluene	12.75	91	302009	48.464	ug/l	100
83) tert-Butylbenzene	12.97	119	295218	49.597	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	367899	50.530	ug/l	100
85) sec-Butylbenzene	13.14	105	374757	48.314	ug/l	100
86) p-Isopropyltoluene	13.26	119	349178	48.854	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	199256	49.200	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	197987	48.213	ug/l	98
89) n-Butylbenzene	13.59	91	274358	46.710	ug/l	100
90) Hexachloroethane	13.85	117	63135	48.732	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	203467	50.474	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	28037	54.935	ug/l	96

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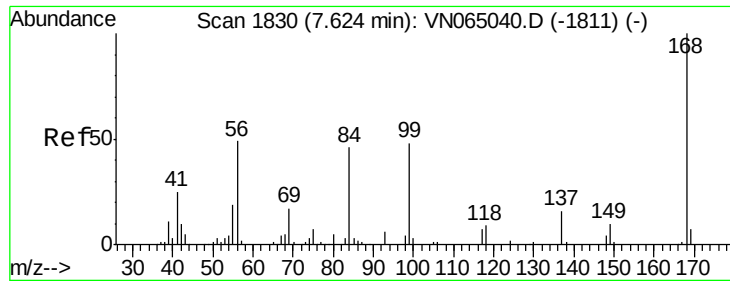
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	98394	46.121	ug/l	99
94) Hexachlorobutadiene	14.98	225	51460	46.237	ug/l	98
95) Naphthalene	15.10	128	297870	46.837	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	92420	45.935	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183853

Ion Ratio Lower Upper

168 100

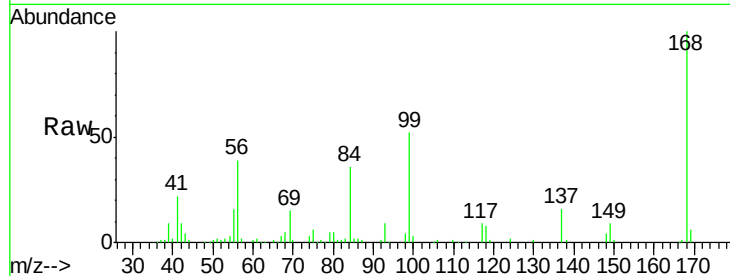
99 51.7 44.0 66.0

Manual Integrations

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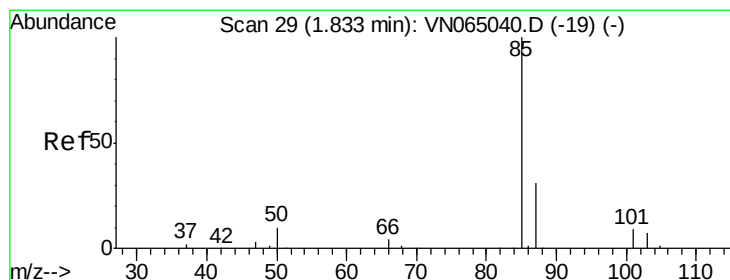
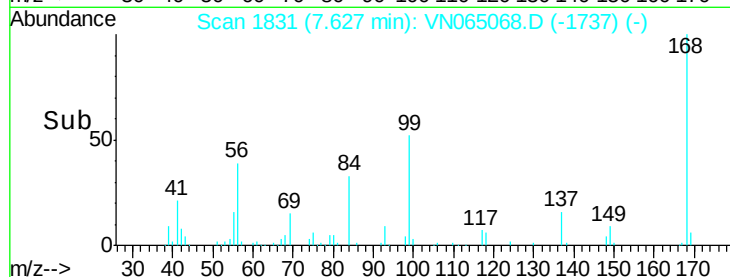
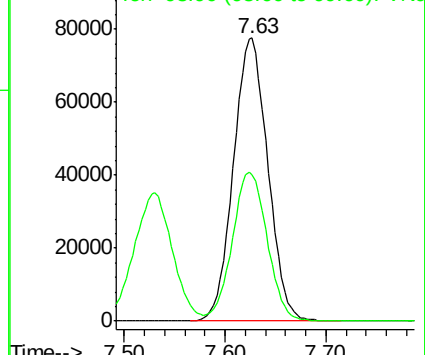
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 47.475 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065068.D

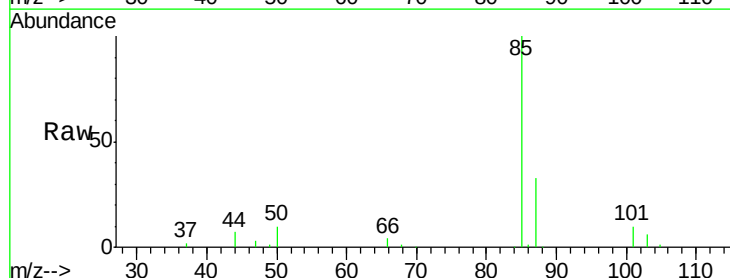
Acq: 11 Dec 2020 4:36

Tgt Ion: 85 Resp: 55274

Ion Ratio Lower Upper

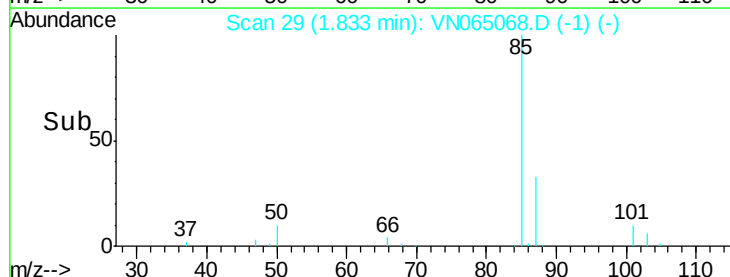
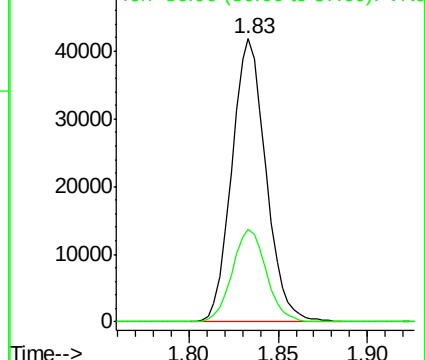
85 100

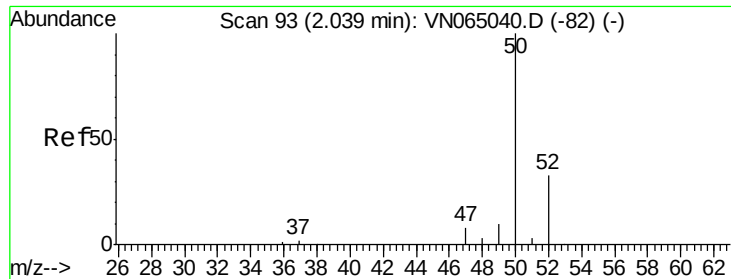
87 32.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 52.251 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 82004

Ion Ratio Lower Upper

50 100

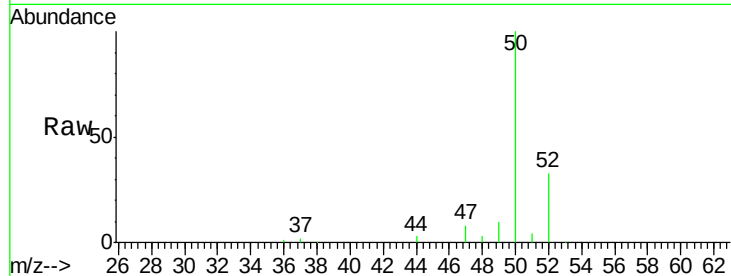
52 33.1 26.5 39.7

Manual Integrations

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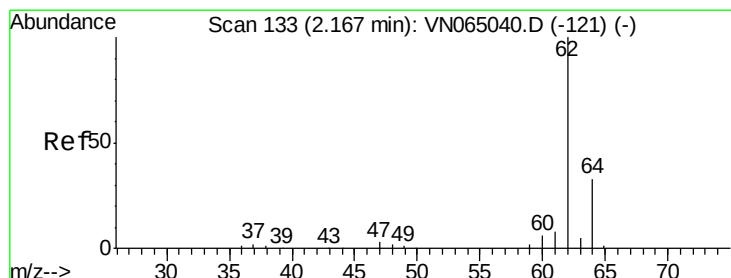
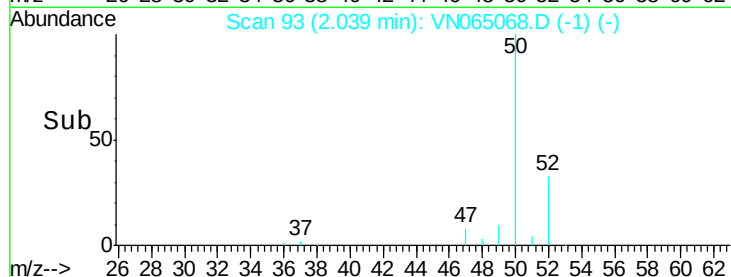
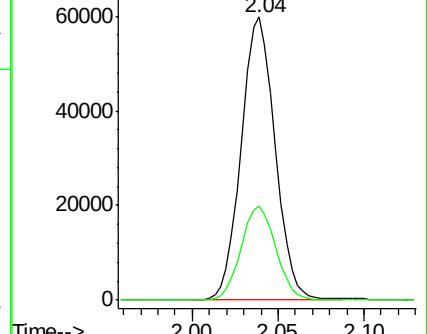
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 52.546 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065068.D

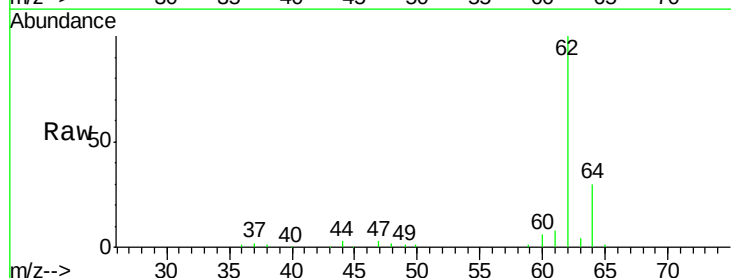
Acq: 11 Dec 2020 4:36

Tgt Ion: 62 Resp: 90177

Ion Ratio Lower Upper

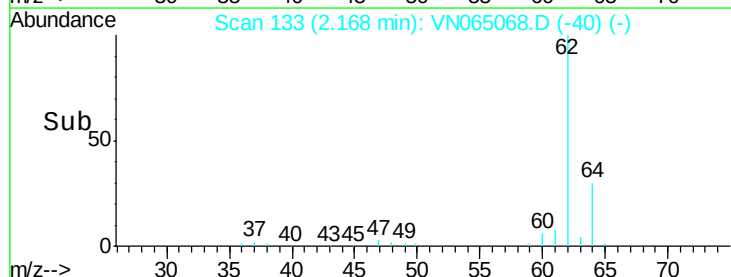
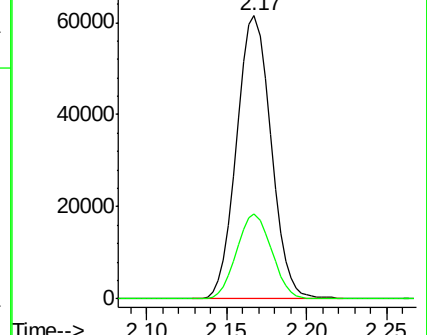
62 100

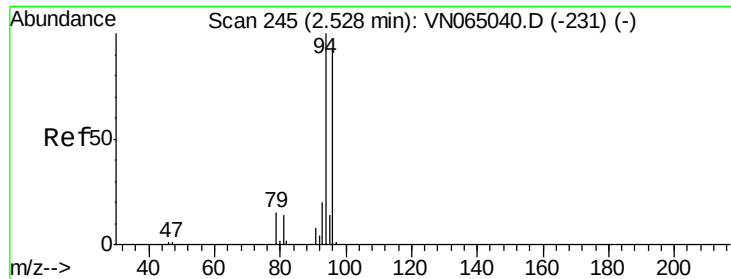
64 29.8 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 51.618 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

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Acq: 11 Dec 2020 4:36

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60072

Ion Ratio Lower Upper

94 100

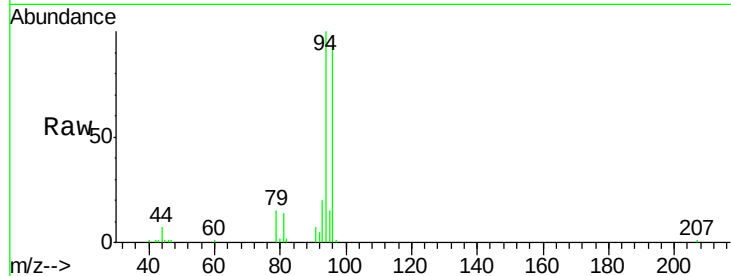
96 92.6 73.8 110.8

Manual Integrations

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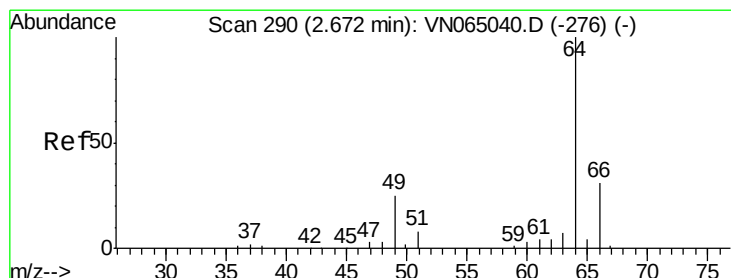
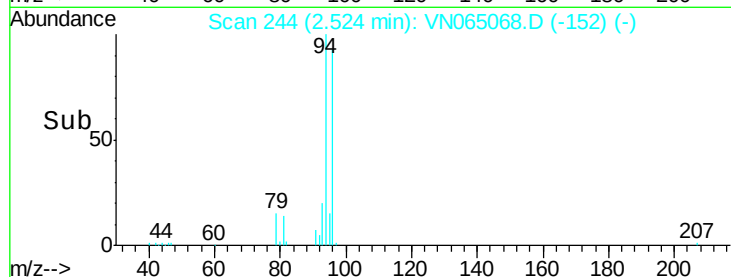
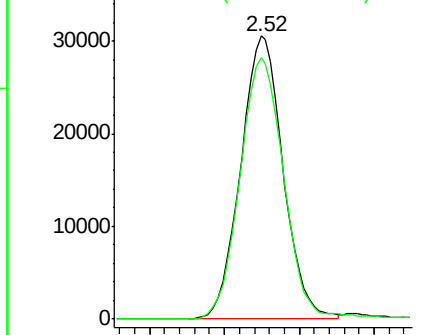
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.682 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN065068.D

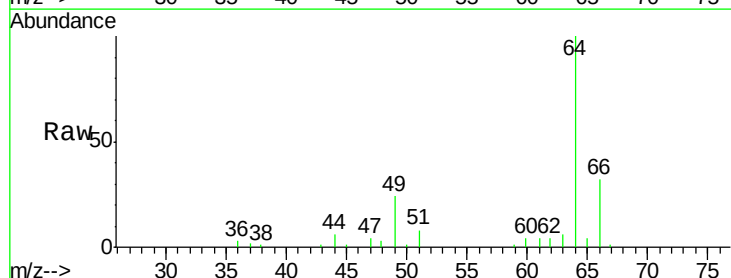
Acq: 11 Dec 2020 4:36

Tgt Ion: 64 Resp: 60262

Ion Ratio Lower Upper

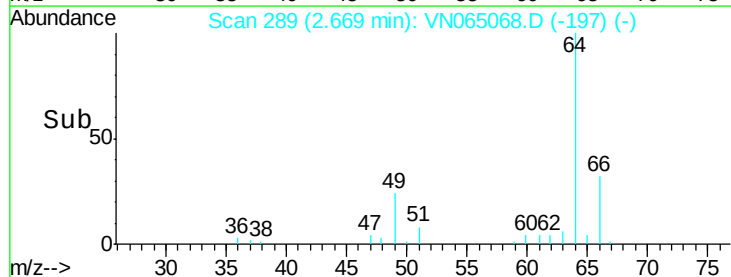
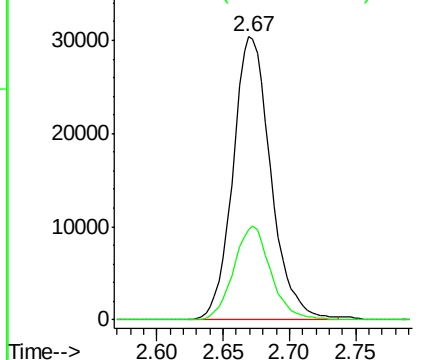
64 100

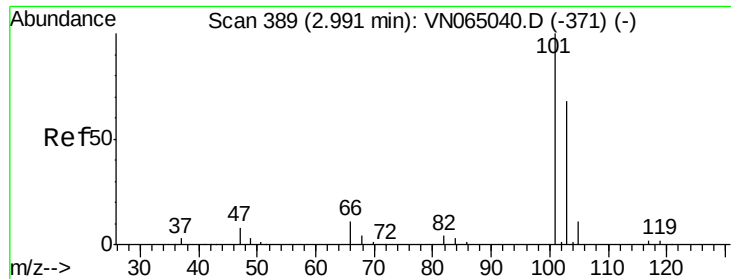
66 31.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

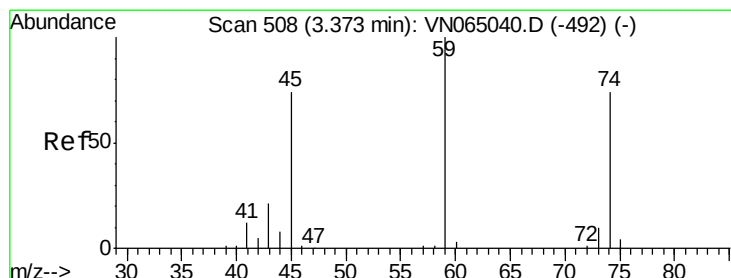
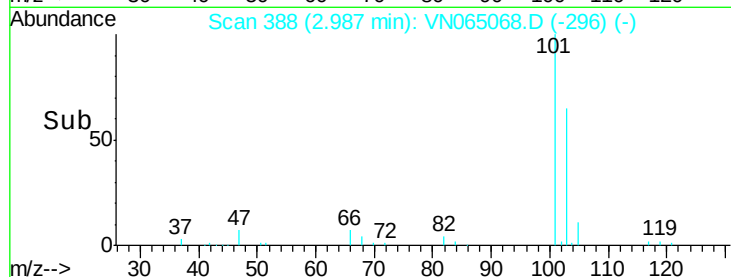
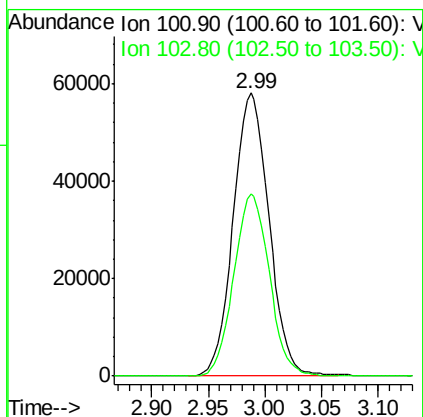
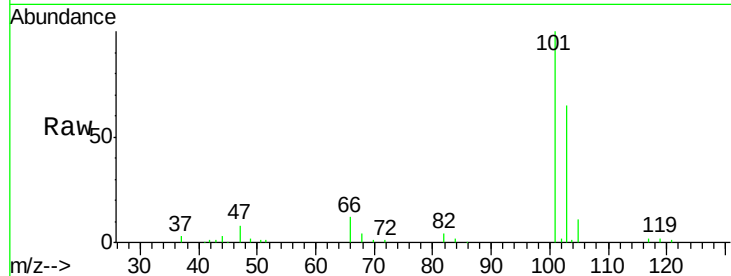
Trichlorofluoromethane
Concen: 47.169 ug/l
RT: 2.99 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	54.5	81.7

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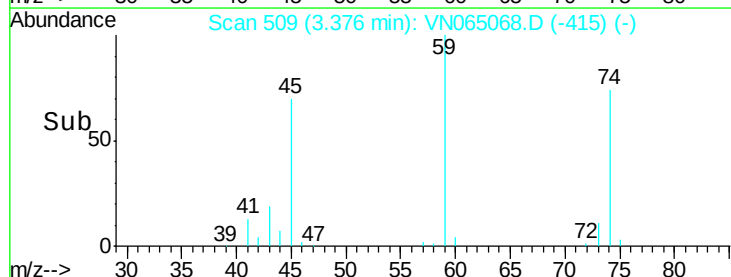
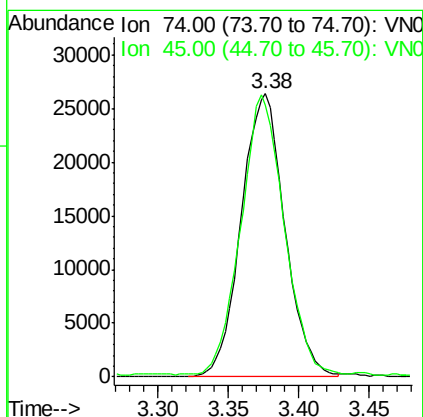
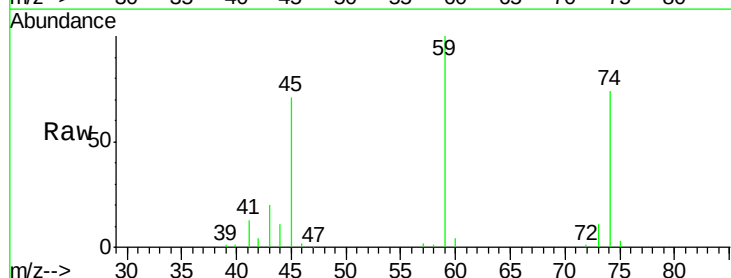
MMDadoda
12/11/2020 12:33:13 PM

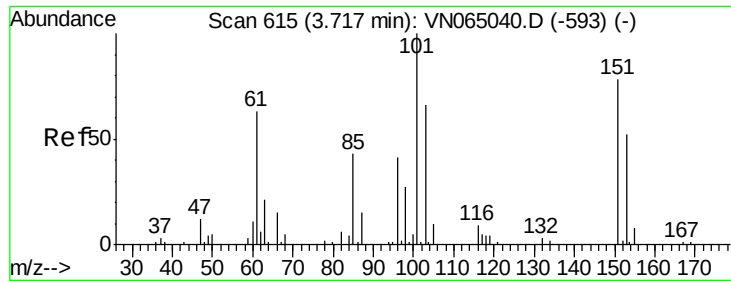


#8

Diethyl Ether
Concen: 52.947 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.549 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN065068.D

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Instrument :

MSVOA_N

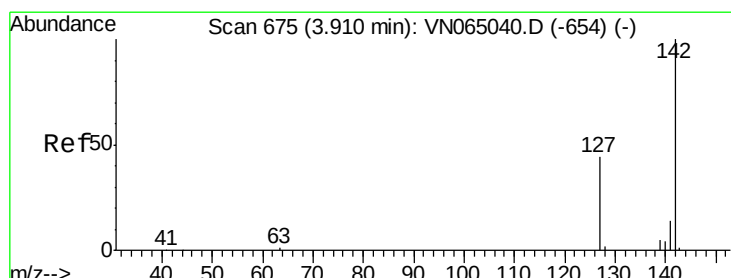
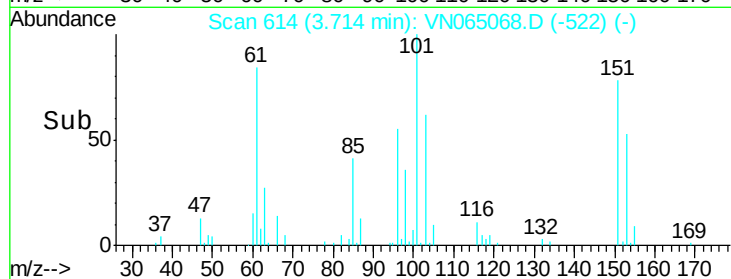
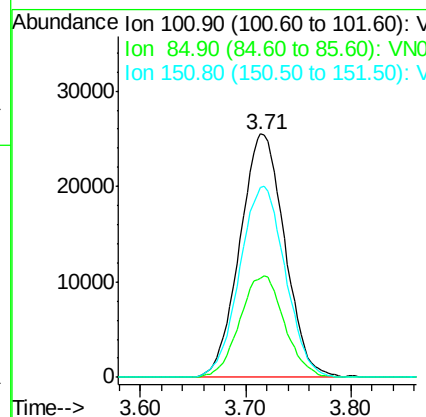
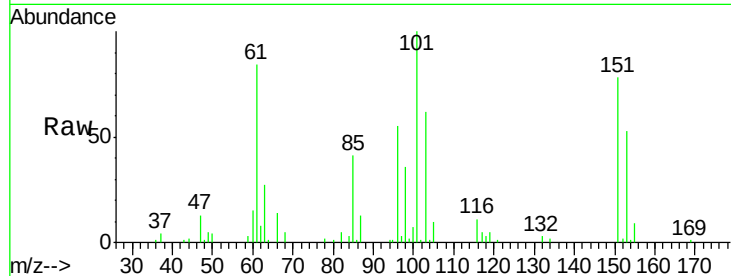
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	75425
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.2	49.8
151	79.7	63.7	95.5

Manual Integrations
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#10

Methyl Iodide

Concen: 51.635 ug/l

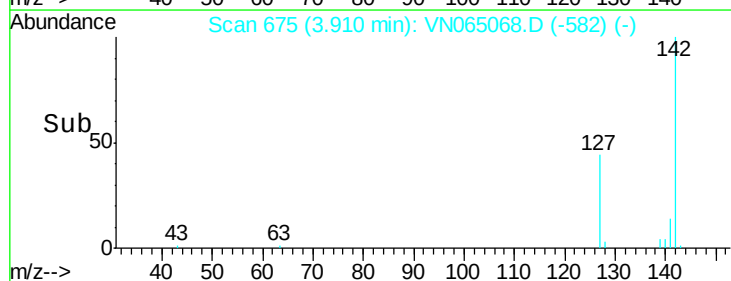
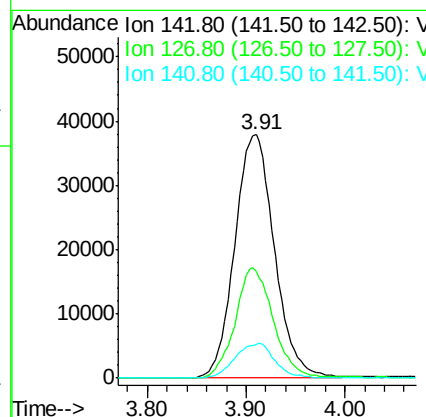
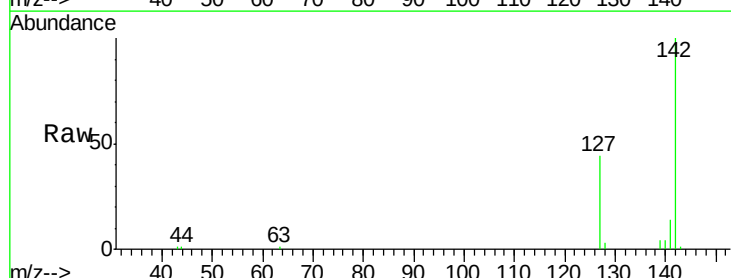
RT: 3.91 min Scan# 675

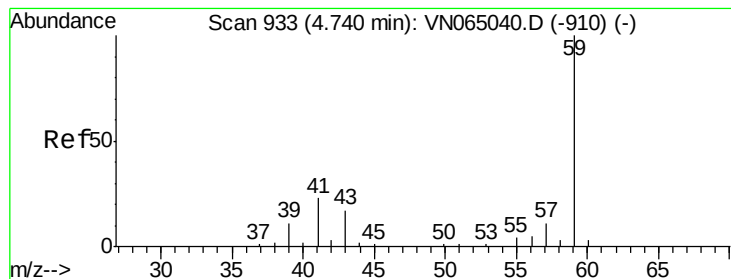
Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tgt Ion:	142	Resp:	105768
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.6	52.0
141	14.3	10.9	16.3





#11

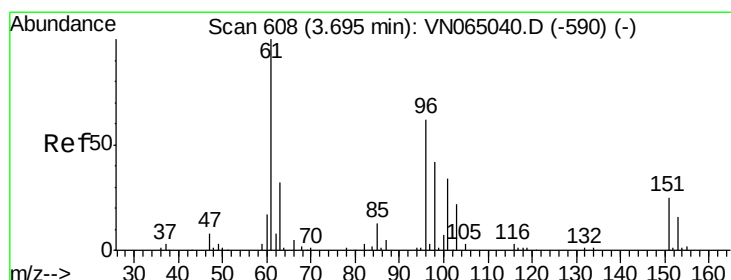
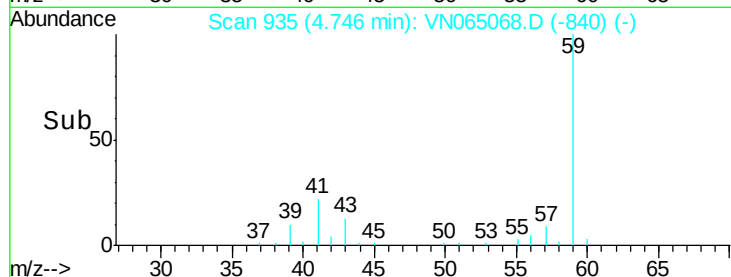
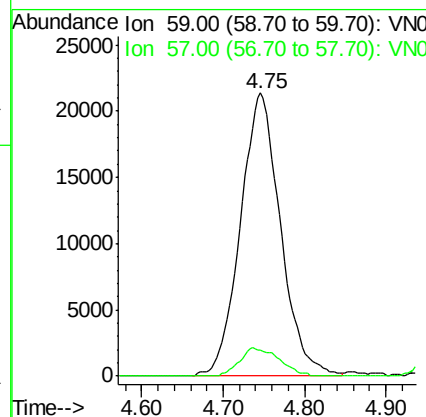
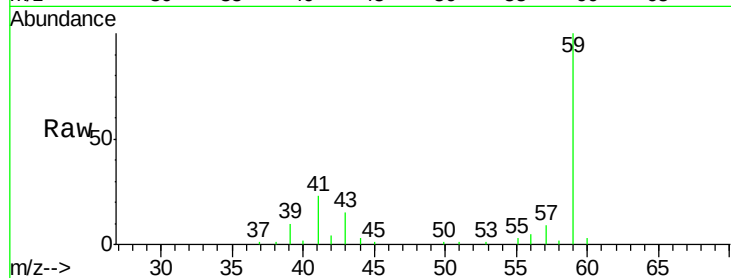
Tert butyl alcohol
 Concen: 274.424 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.6	12.8

Manual Integrations
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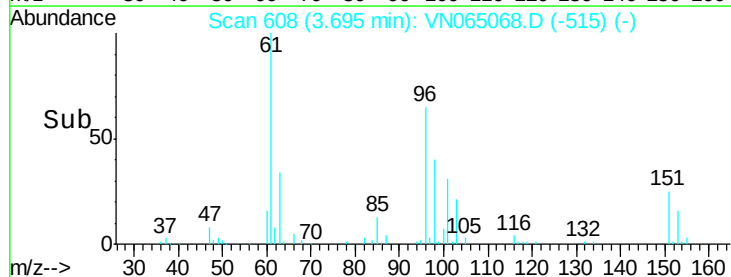
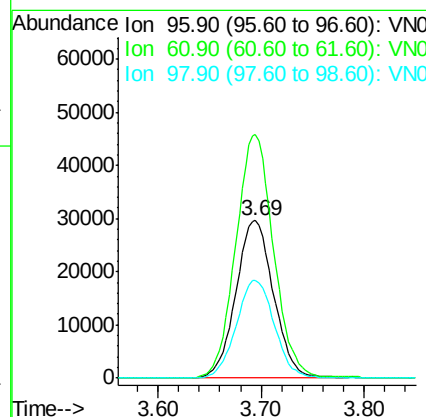
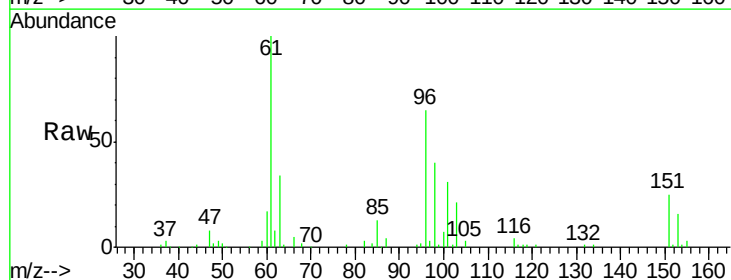
MMDadoda
 12/11/2020 12:33:13 PM

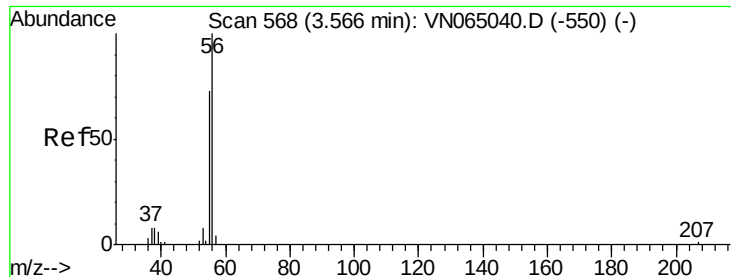


#12

1,1-Dichloroethene
 Concen: 47.650 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	128.4	192.6
98	62.0	53.6	80.4





#13

Acrolein

Concen: 304.719 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 65338

Ion Ratio Lower Upper

56 100

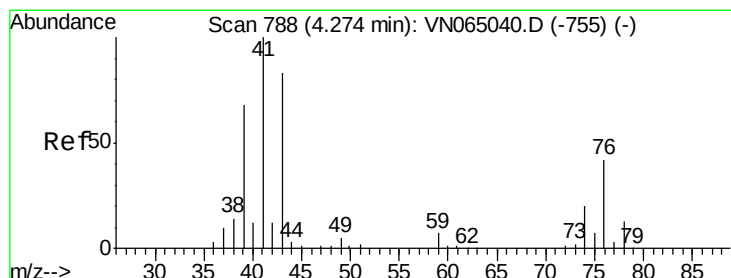
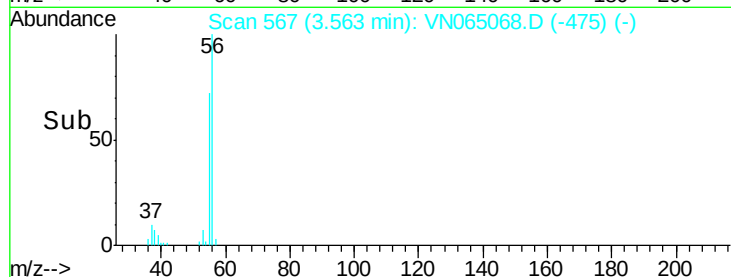
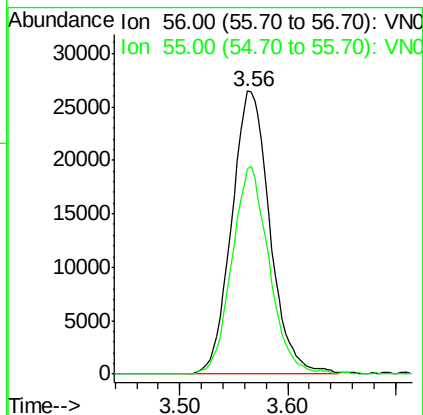
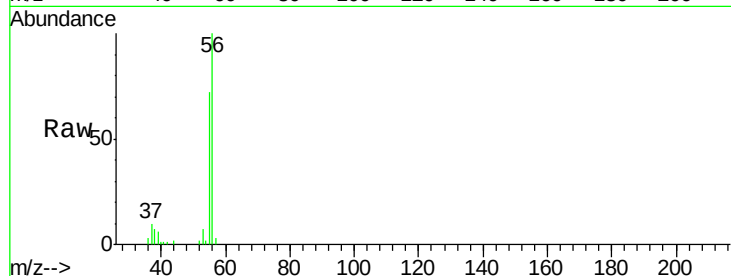
55 70.7 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 50.257 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

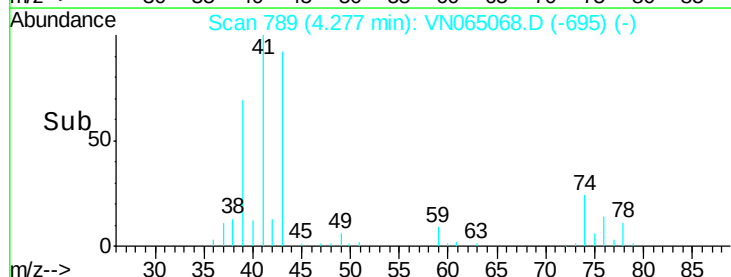
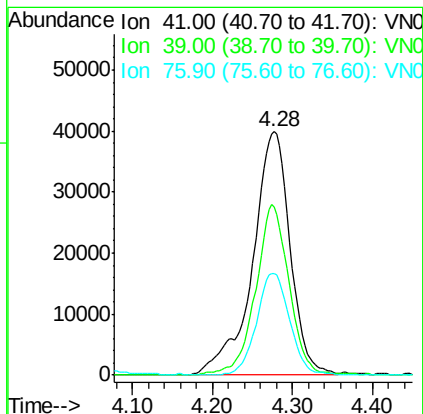
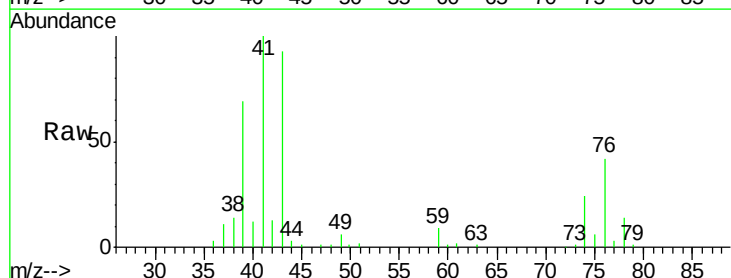
Tgt Ion: 41 Resp: 129104

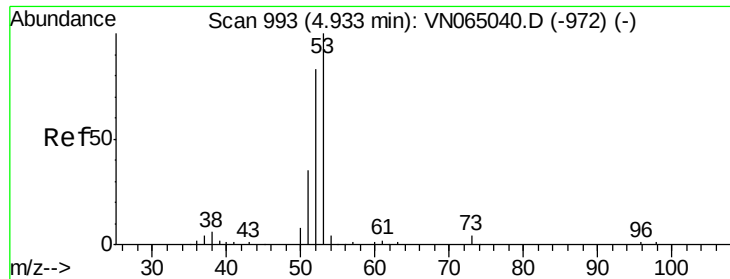
Ion Ratio Lower Upper

41 100

39 62.0 49.0 73.6

76 36.7 29.6 44.4





#15

Acrylonitrile

Concen: 277.242 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

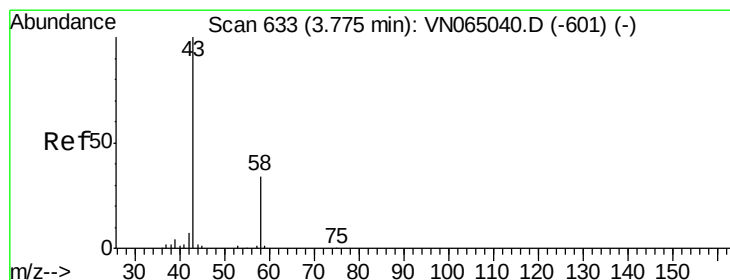
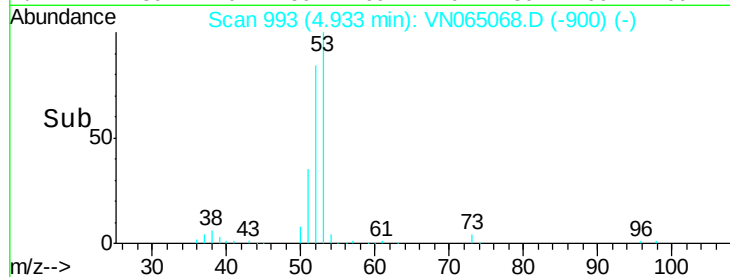
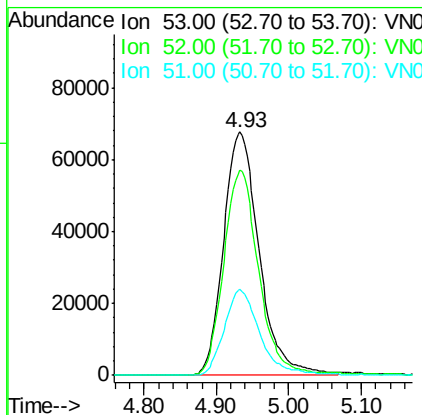
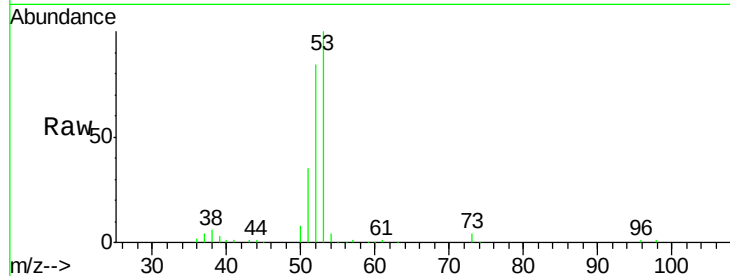
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	231044
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.4	98.0
51	35.4	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 223.388 ug/l

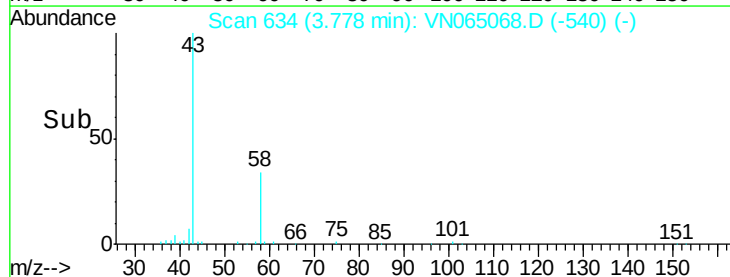
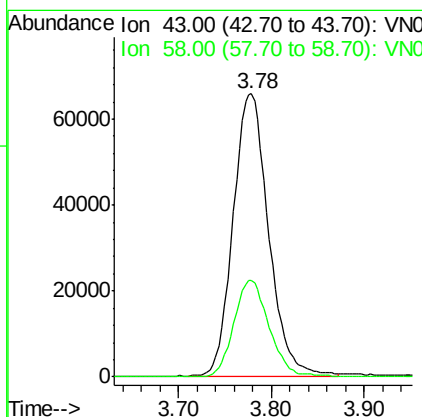
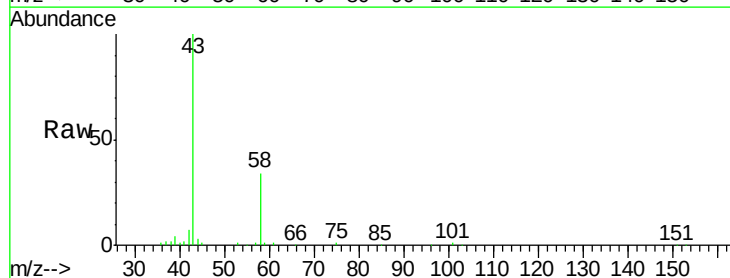
RT: 3.78 min Scan# 634

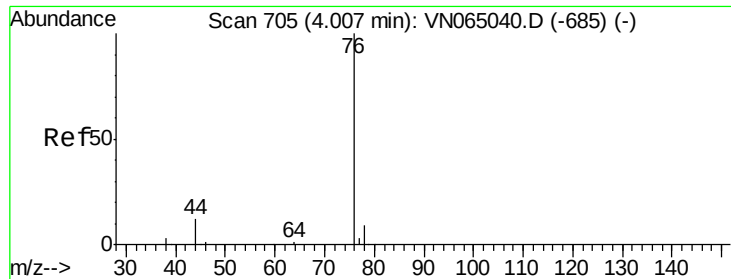
Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tgt Ion:	43	Resp:	173436
Ion	Ratio	Lower	Upper
43	100		
58	34.4	26.8	40.2





#17

Carbon Disulfide

Concen: 46.610 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tot Ion: 76 Resp: 168805

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

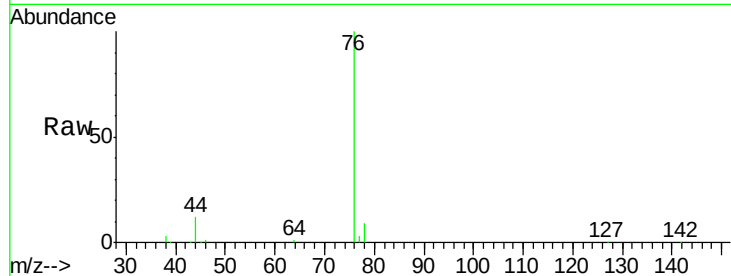
VSTDCCC050EC

Manual Integrations

APPROVED

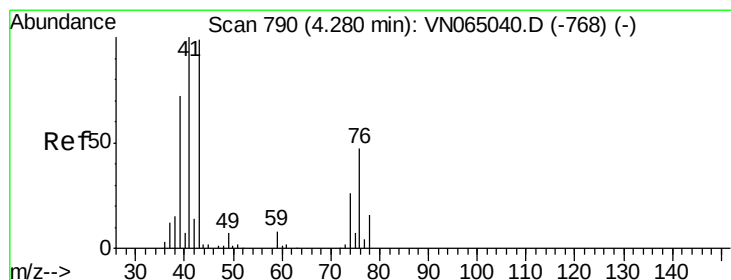
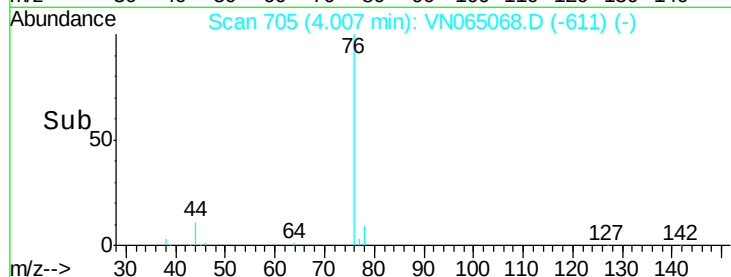
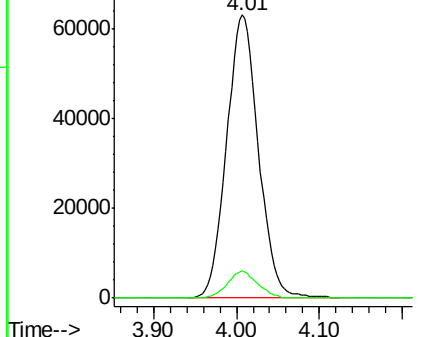
MMDadoda

12/11/2020 12:33:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VN065040.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN065040.D (-685) (-)



#18

Methyl Acetate

Concen: 56.312 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN065068.D

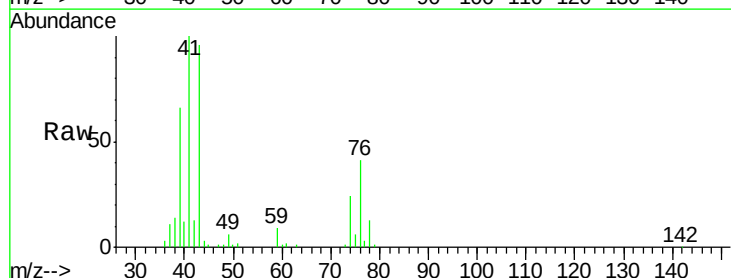
Acq: 11 Dec 2020 4:36

Tgt Ion: 43 Resp: 110179

Ion Ratio Lower Upper

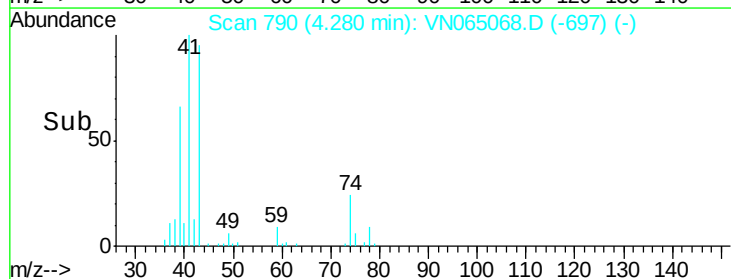
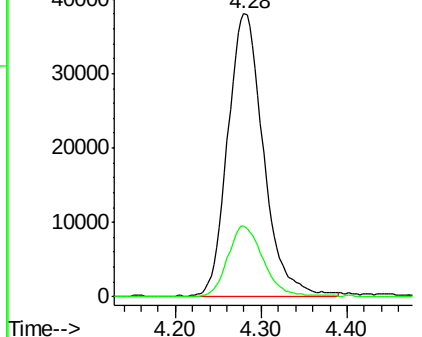
43 100

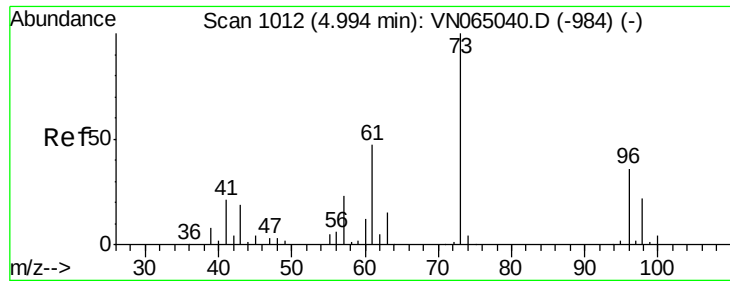
74 24.8 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN065040.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN065040.D (-768) (-)





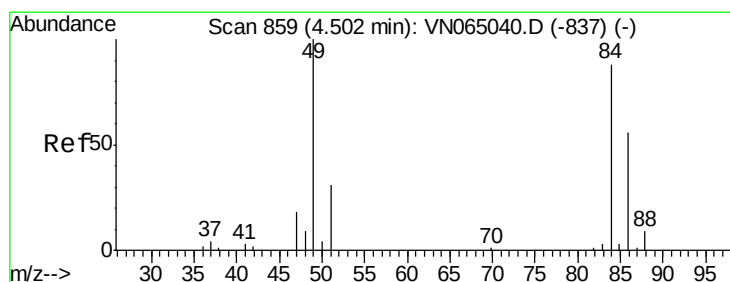
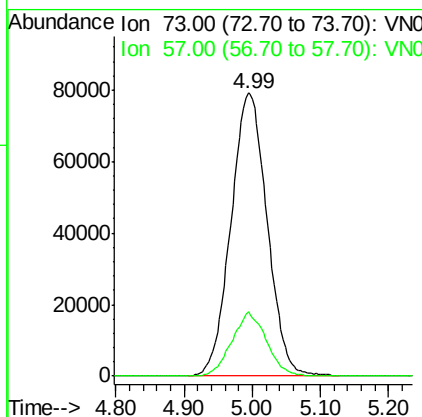
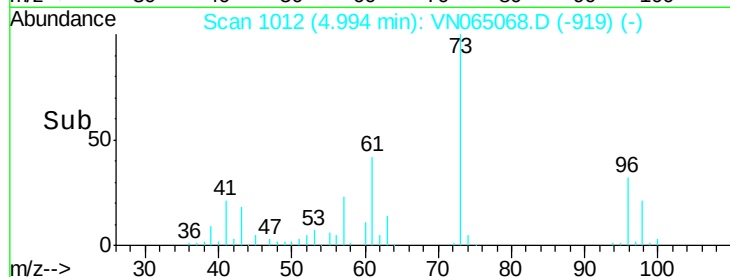
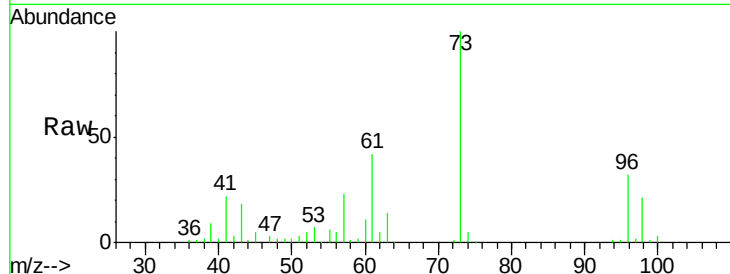
#19
Methyl tert-butyl Ether
Concen: 54.637 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 291951
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0

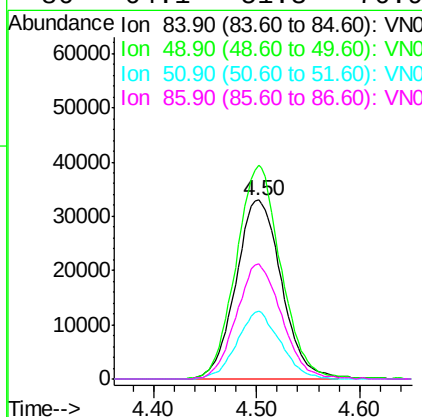
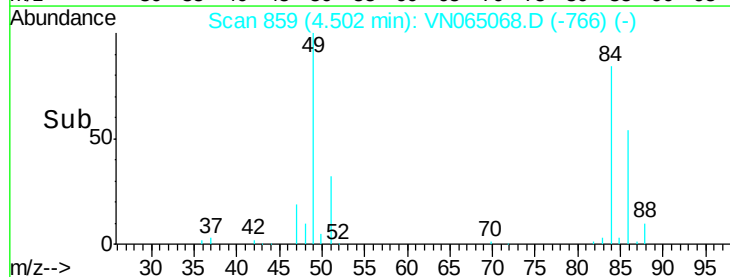
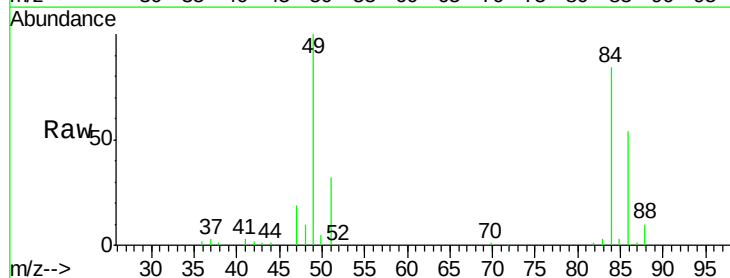
Manual Integrations
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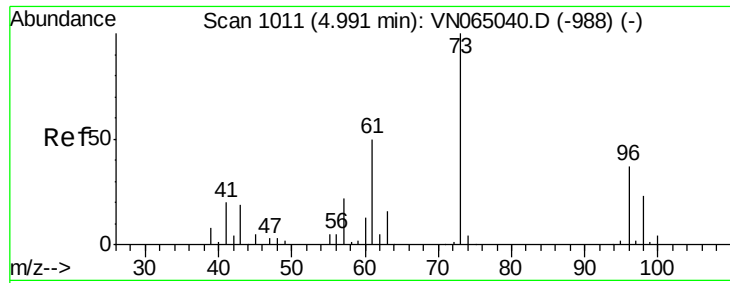
MMDadoda
12/11/2020 12:33:13 PM



#20
Methylene Chloride
Concen: 51.364 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion: 84 Resp: 101590
Ion Ratio Lower Upper
84 100
49 118.7 90.8 136.2
51 37.8 28.1 42.1
86 64.1 51.3 76.9





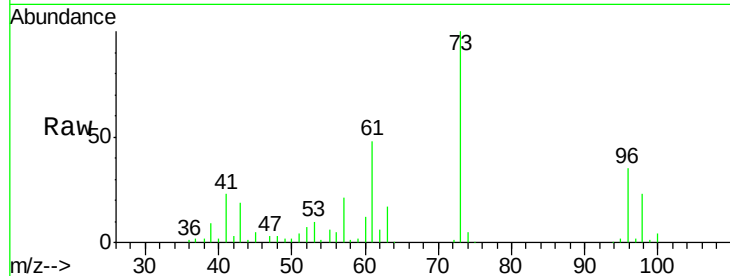
#21
trans-1,2-Dichloroethene
Concen: 49.471 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	107.1	160.7
98	66.4	49.8	74.8

Manual Integrations
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12/11/2020 12:33:13 PM

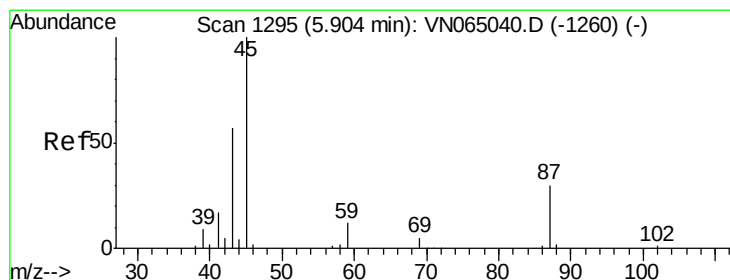
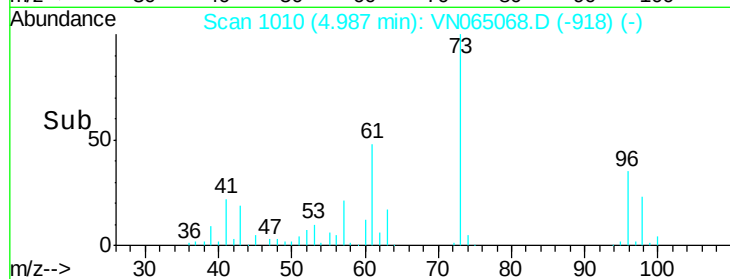
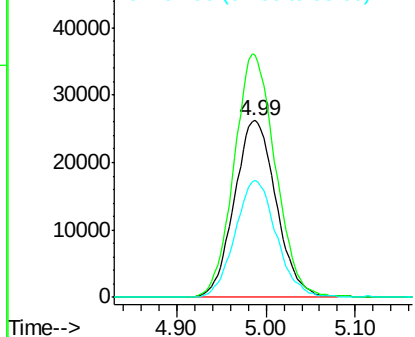


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 54.844 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	47.9	71.9
87	30.6	24.3	36.5
59	11.1	9.5	14.3

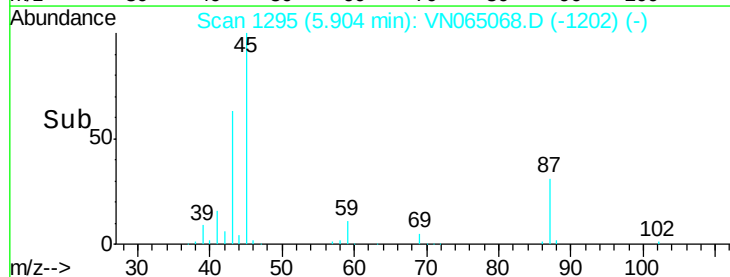
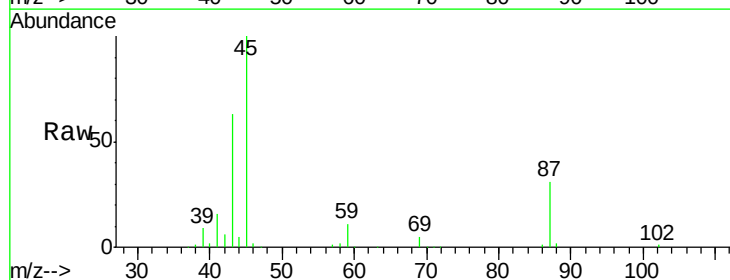
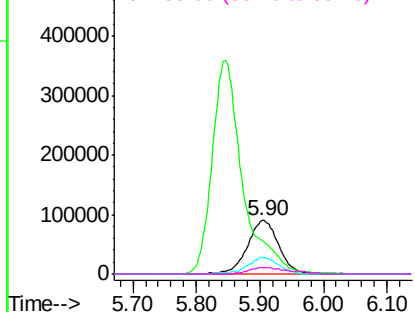
Abundance

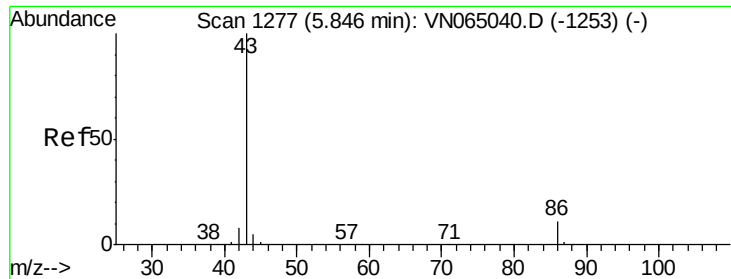
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 277.710 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1201989

Ion Ratio Lower Upper

43 100

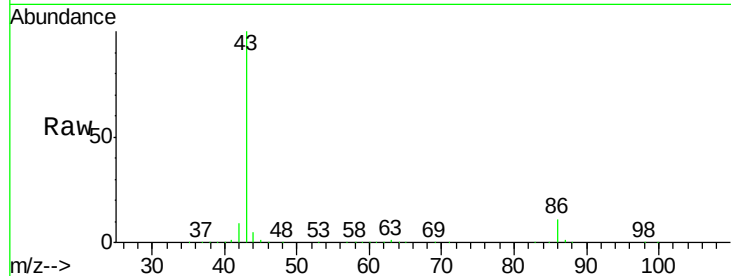
86 10.7 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

400000

300000

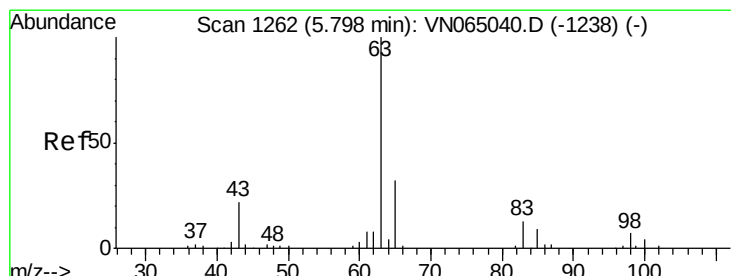
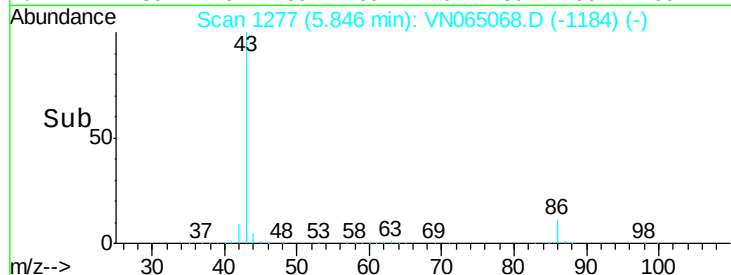
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.601 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

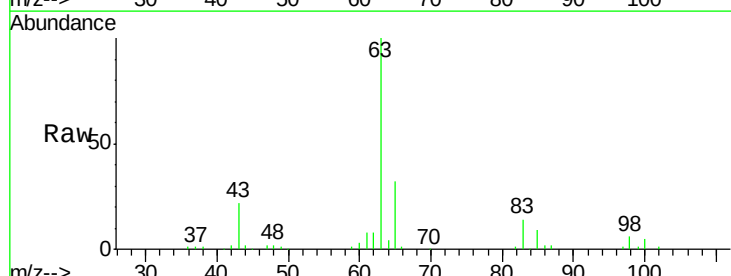
Tgt Ion: 63 Resp: 171173

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.7 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

60000

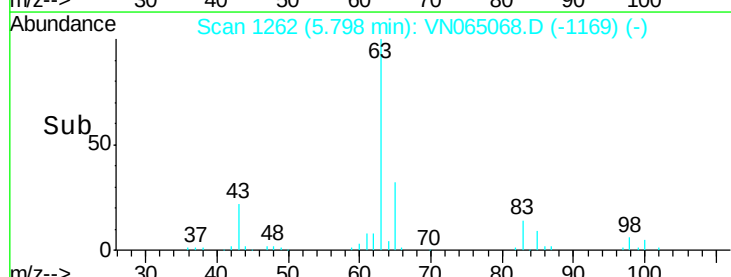
40000

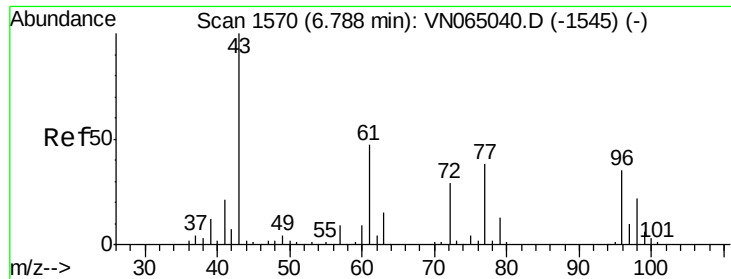
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 264.776 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tot Ion: 43 Resp: 283488

Ion Ratio Lower Upper

43 100

72 27.4 22.9 34.3

Instrument :

MSVOA_N

ClientSampleId :

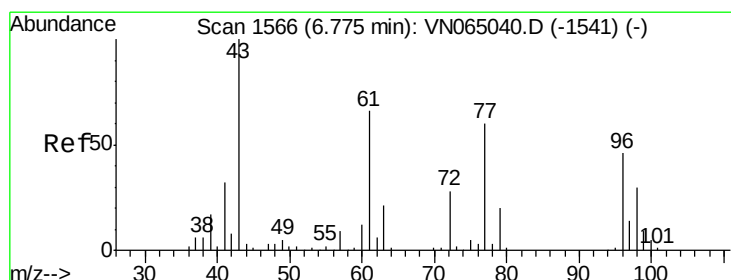
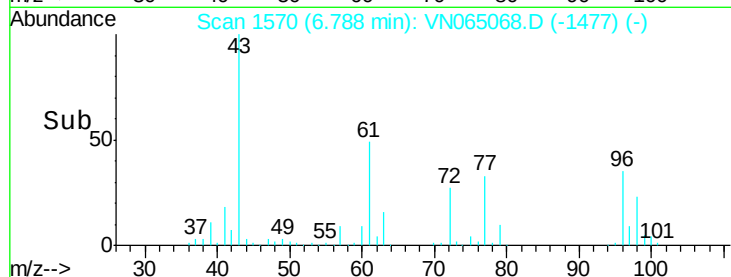
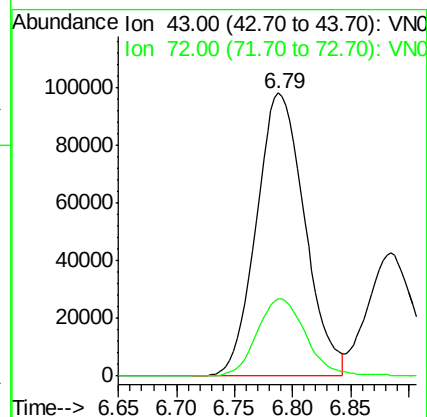
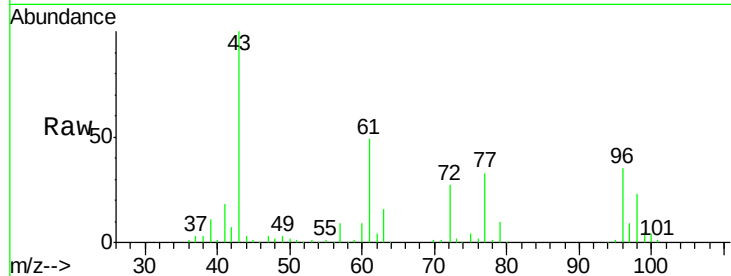
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 43.281 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN065068.D

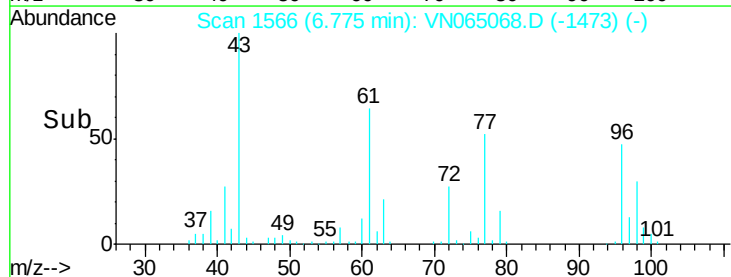
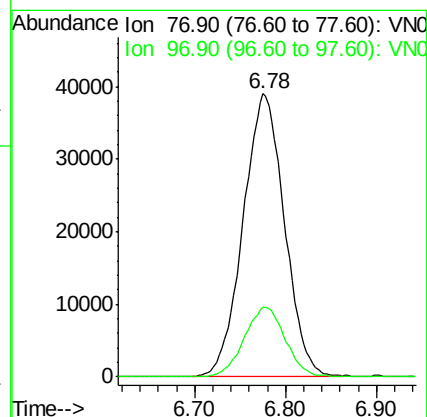
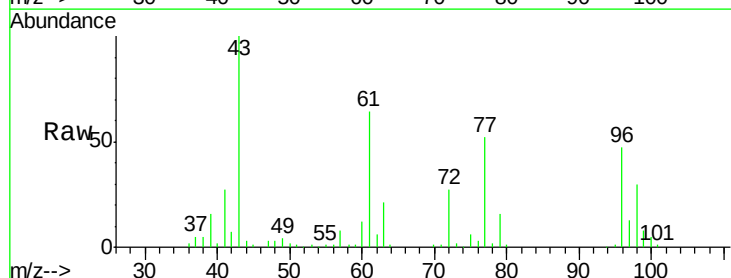
Acq: 11 Dec 2020 4:36

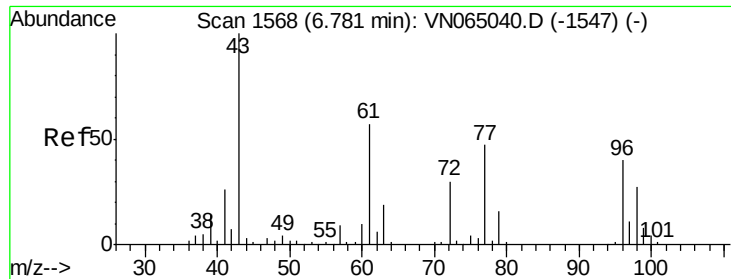
Tgt Ion: 77 Resp: 123030

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1





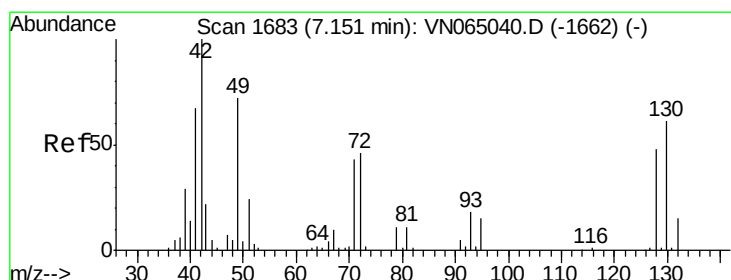
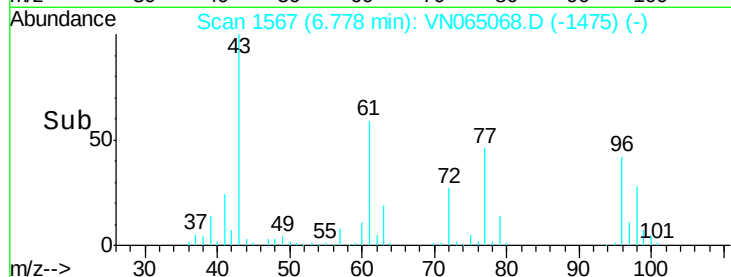
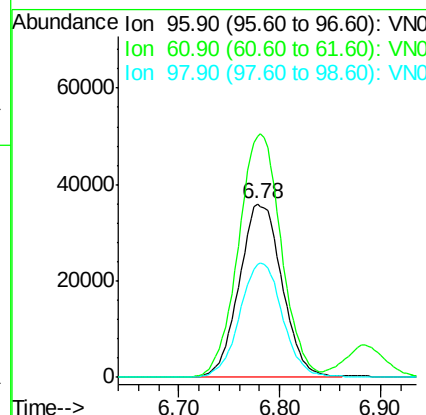
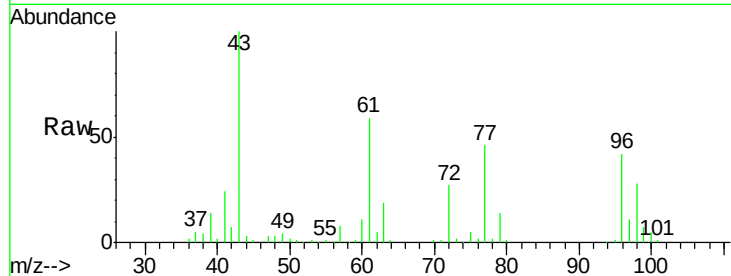
#27
 cis-1,2-Dichloroethene
 Concen: 50.786 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	106122		
61	140.3	0.0	283.6	
98	65.4	0.0	130.8	

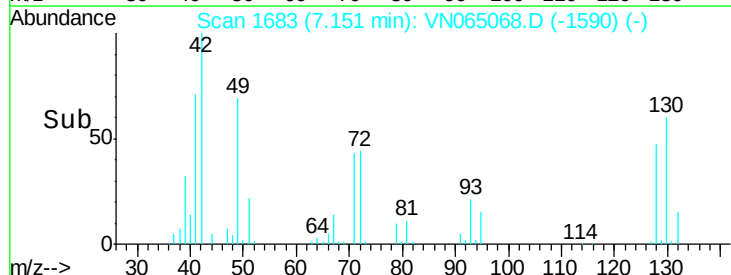
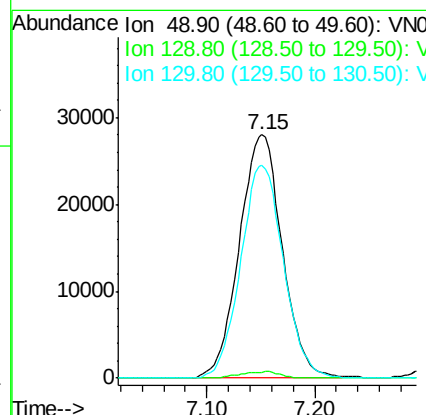
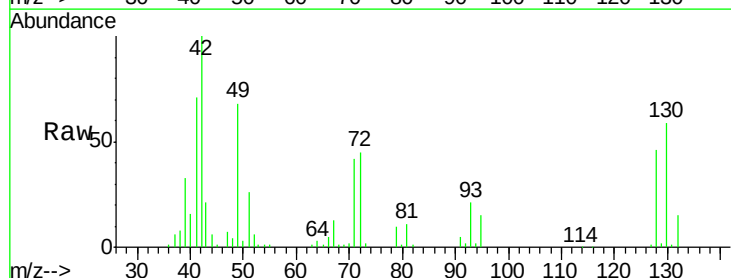
Manual Integrations
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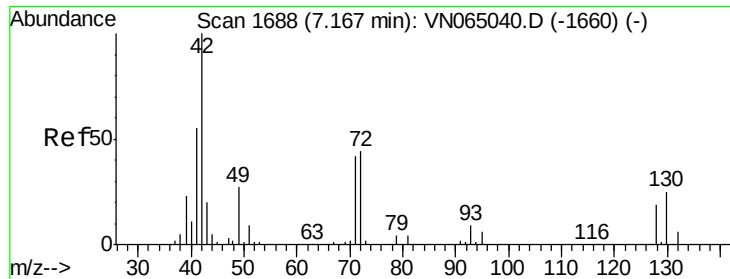
MMDadoda
 12/11/2020 12:33:13 PM



#28
 Bromochloromethane
 Concen: 49.170 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77528		
129	2.3	0.0	2.2#	
130	87.2	67.9	101.9	





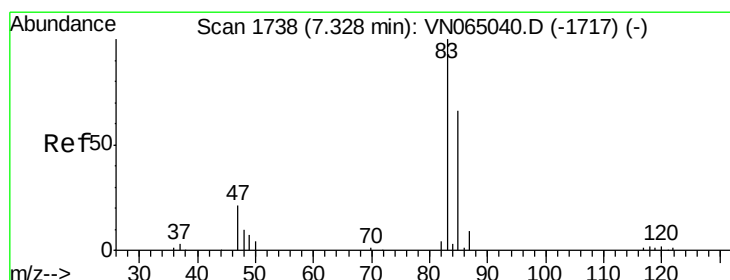
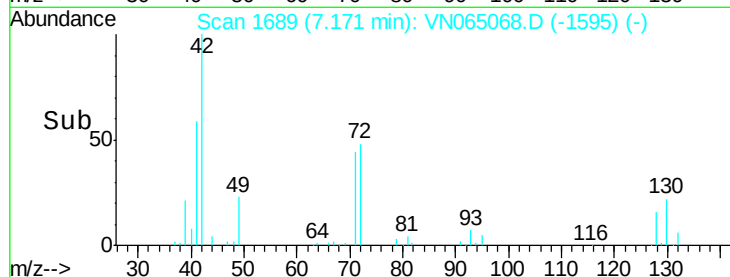
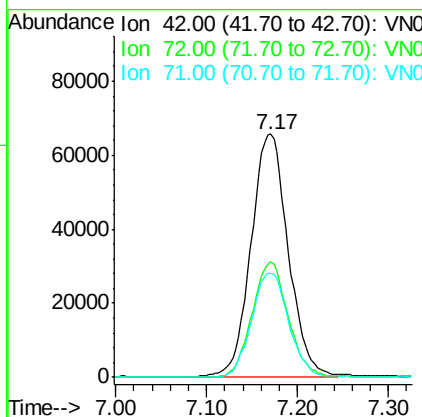
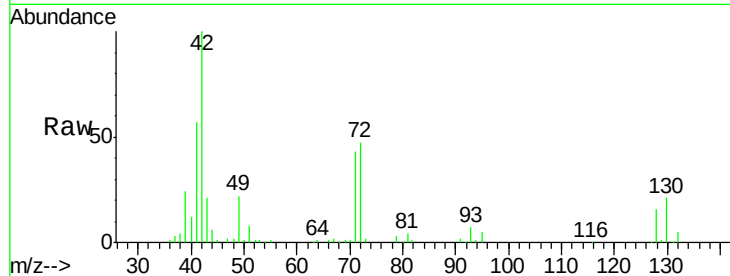
#29
Tetrahydrofuran
Concen: 278.753 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	35.8	53.6
71	42.7	33.5	50.3

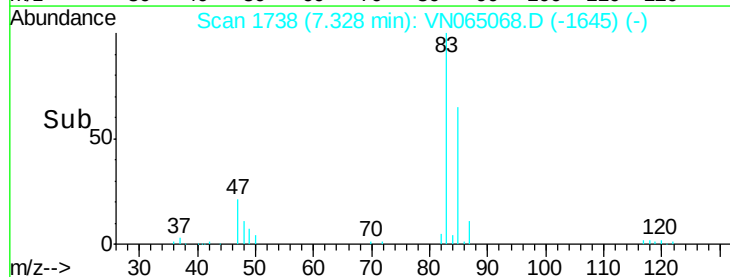
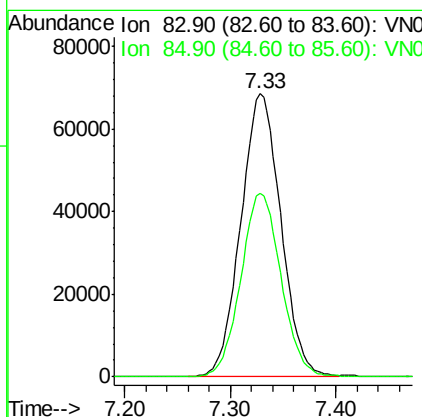
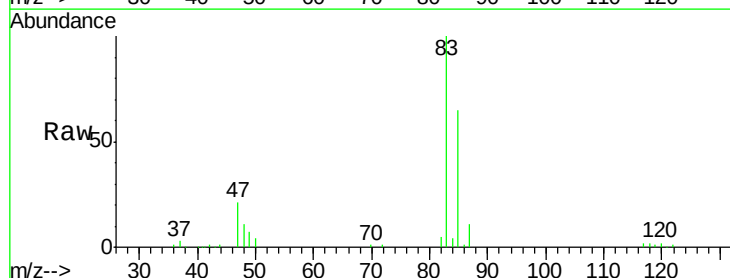
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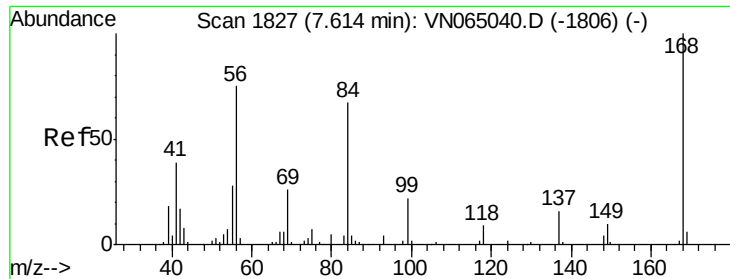
MMDadoda
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#30
Chloroform
Concen: 52.930 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





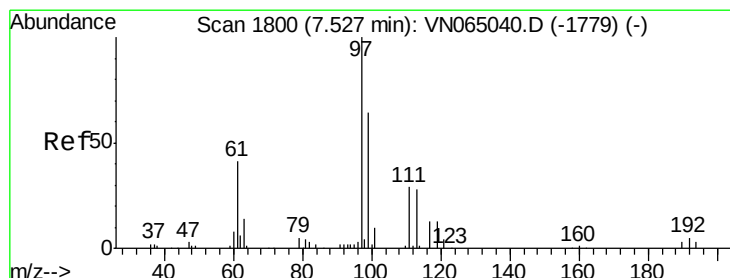
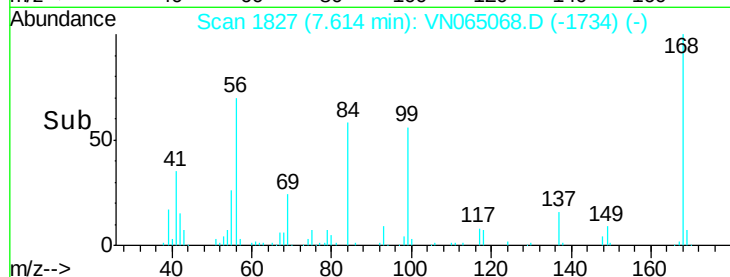
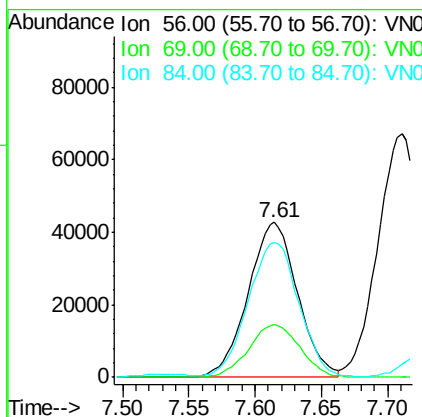
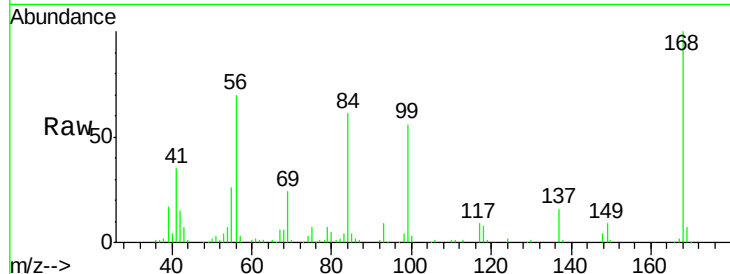
#31
Cyclohexane
Concen: 45.428 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		111104		
69	34.0	27.5	41.3		
84	85.8	72.4	108.6		

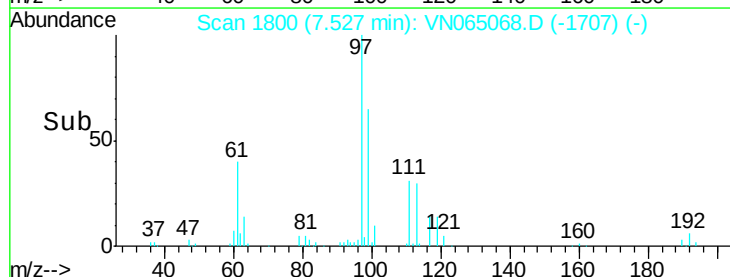
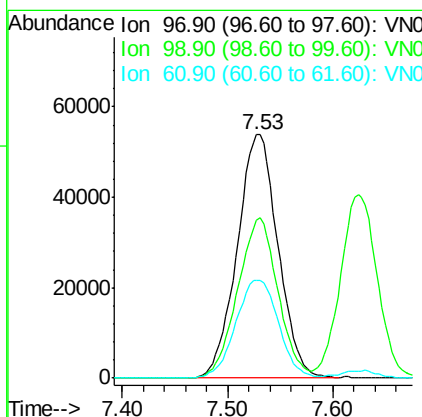
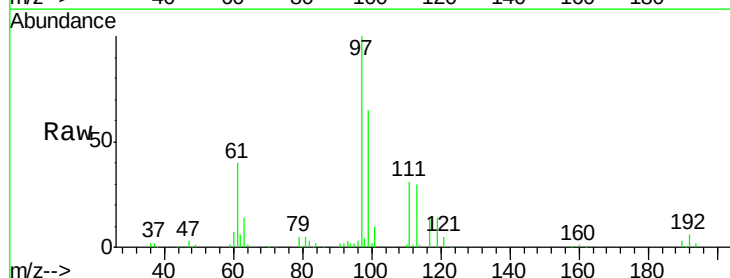
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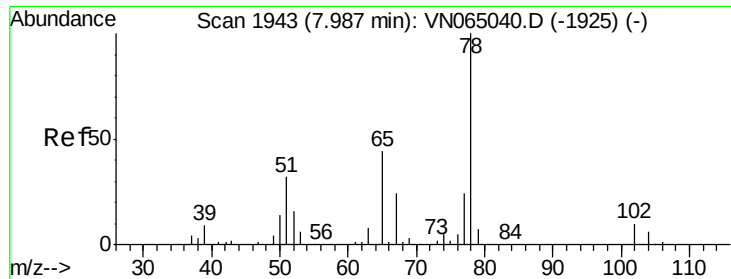
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.499 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		145370		
99	64.7	51.7	77.5		
61	42.0	33.5	50.3		





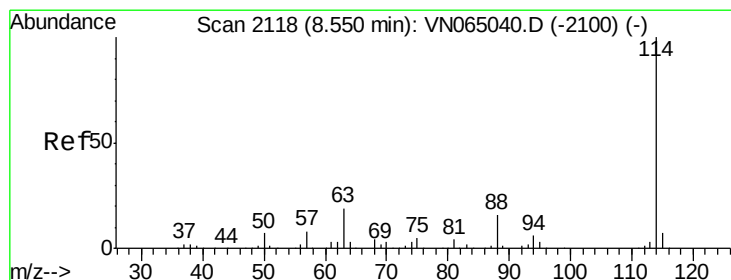
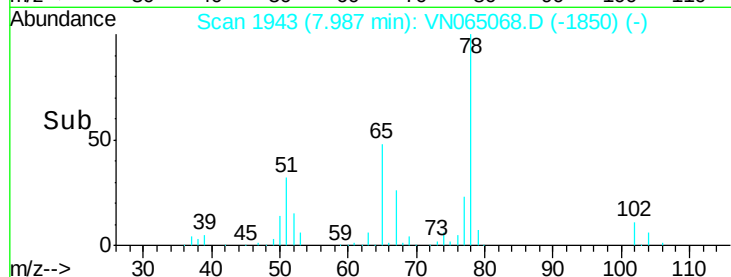
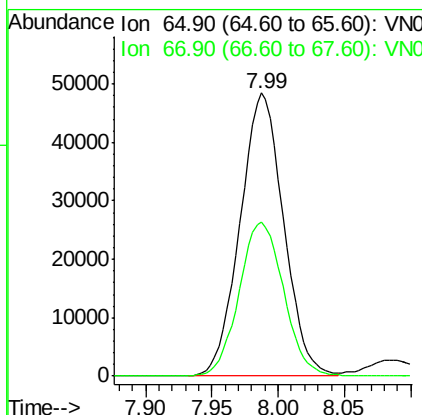
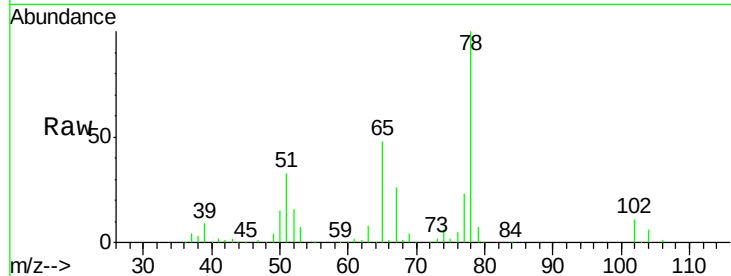
#33
 1,2-Dichloroethane-d4
 Concen: 50.514 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	110571	108.4

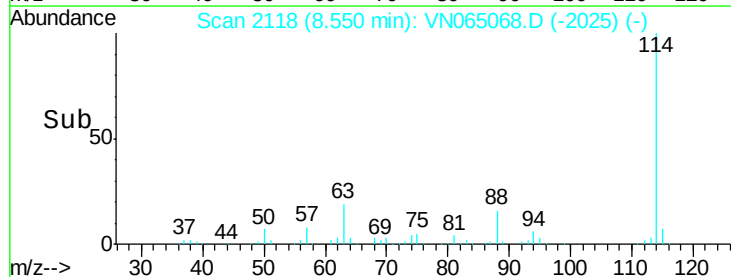
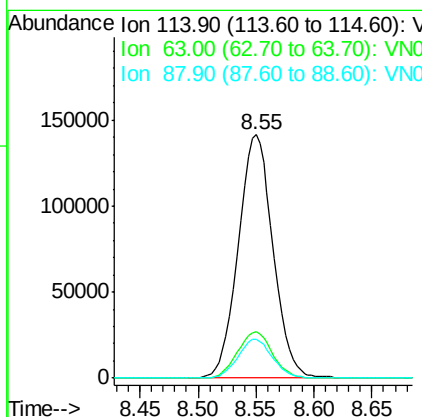
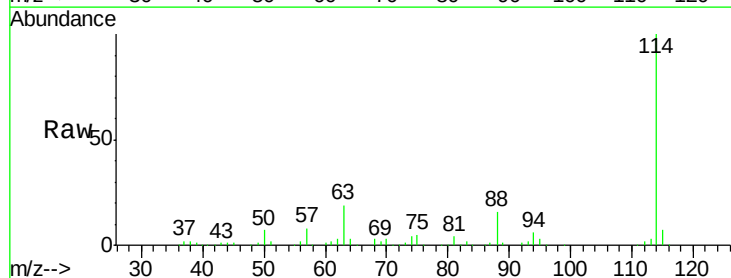
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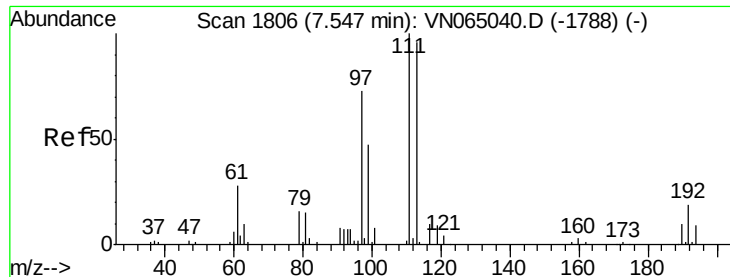
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	294151	38.2
88	15.8	0.0	31.6	





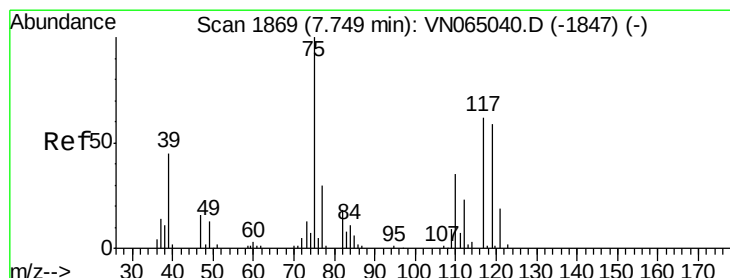
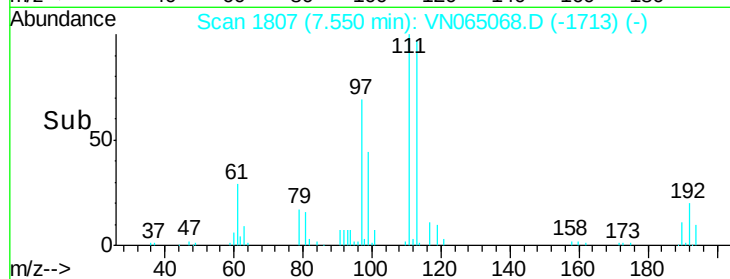
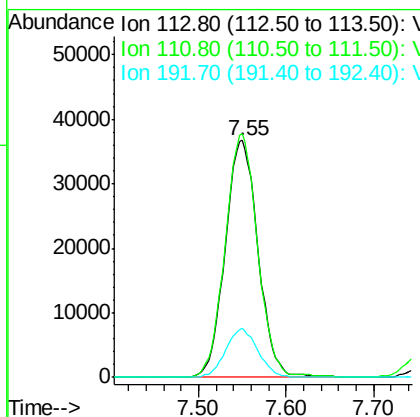
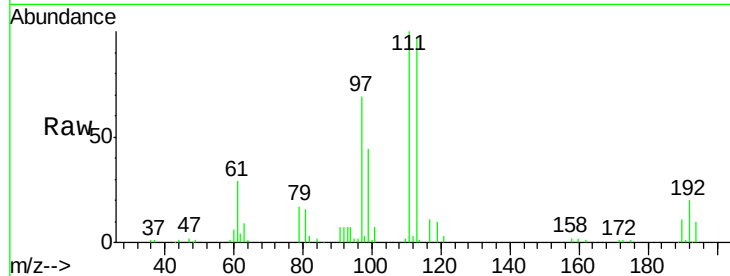
#35
 Dibromofluoromethane
 Concen: 49.074 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95498		
111	101.0	83.4	125.0	
192	20.1	16.2	24.2	

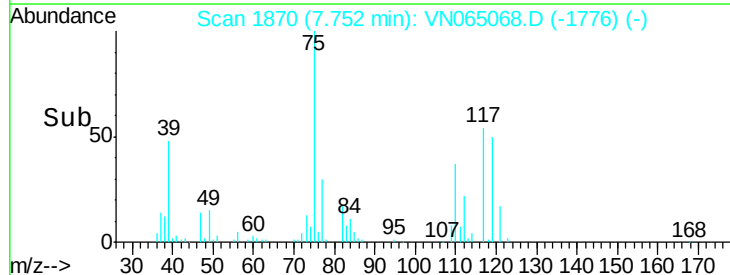
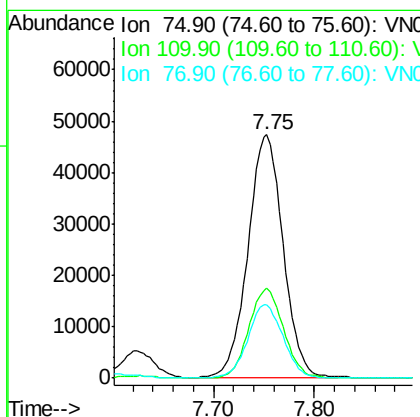
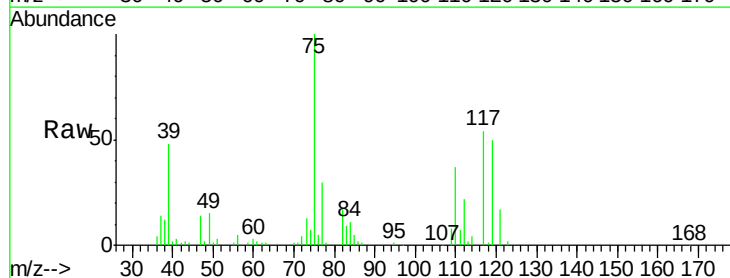
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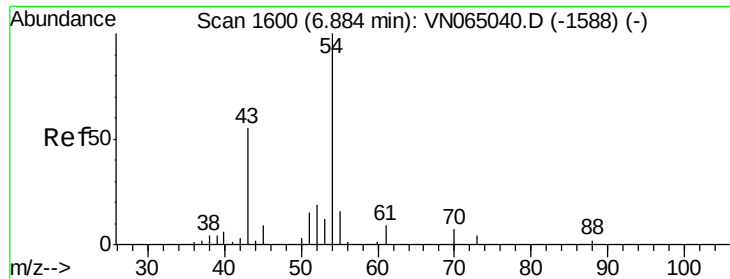
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 45.692 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	114636		
110	36.3	18.1	54.1	
77	30.4	24.5	36.7	





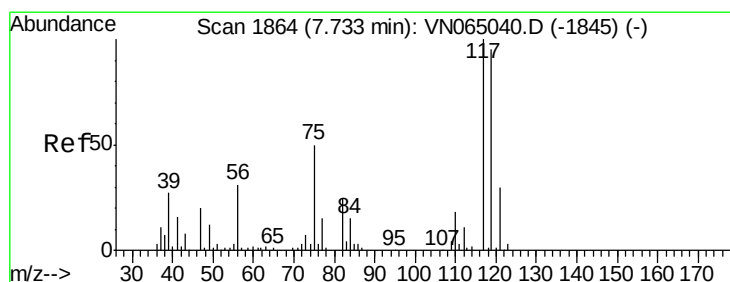
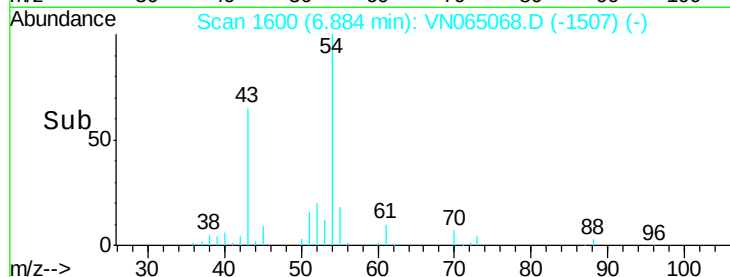
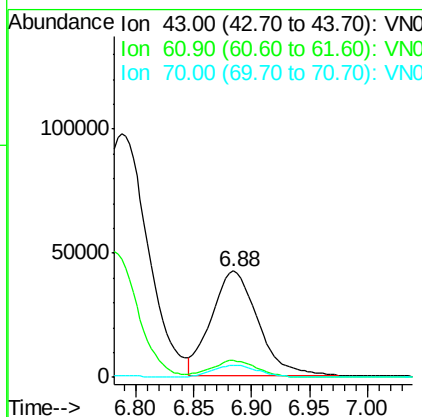
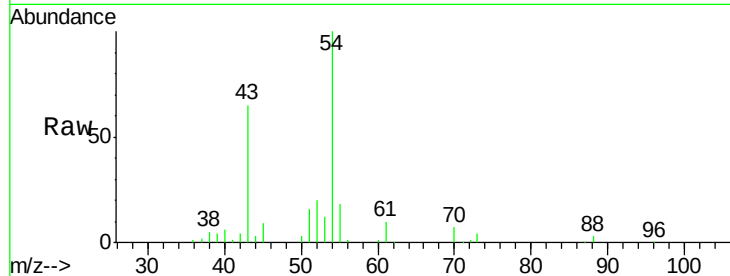
#37
Ethyl Acetate
Concen: 51.823 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.9	17.9
70	11.5	9.2	13.8

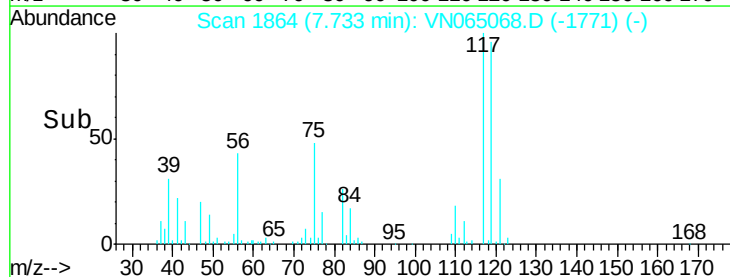
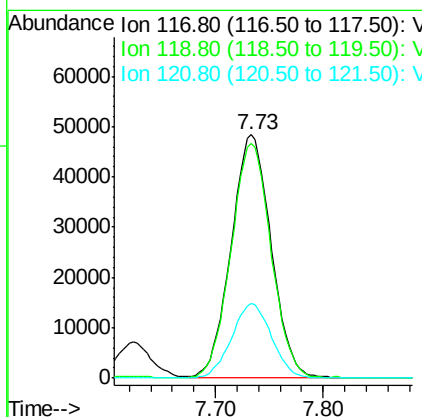
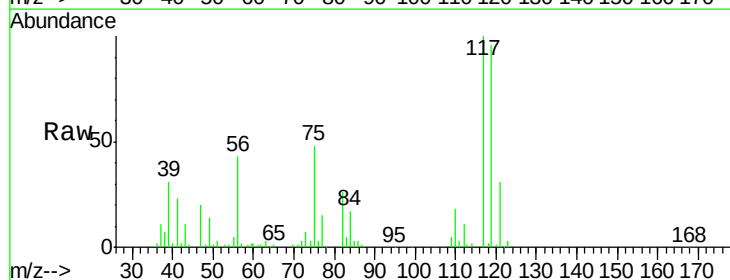
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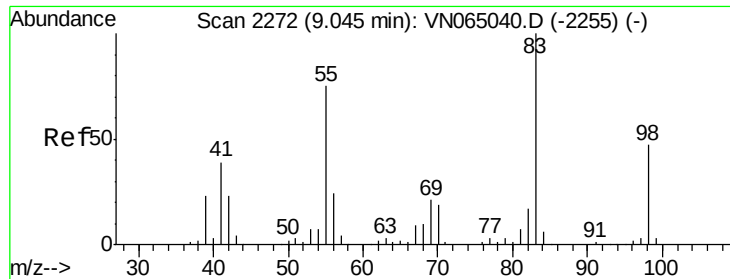
MMDadoda
12/11/2020 12:33:13 PM



#38
Carbon Tetrachloride
Concen: 46.893 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.9	113.9
121	30.6	24.1	36.1





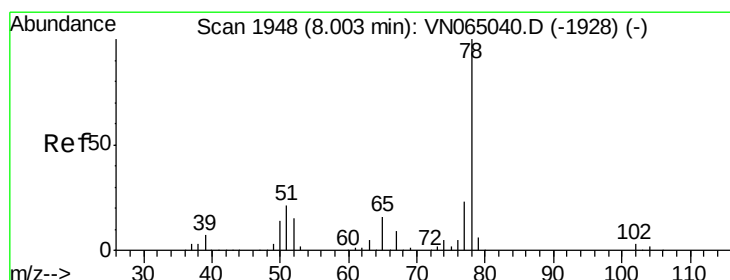
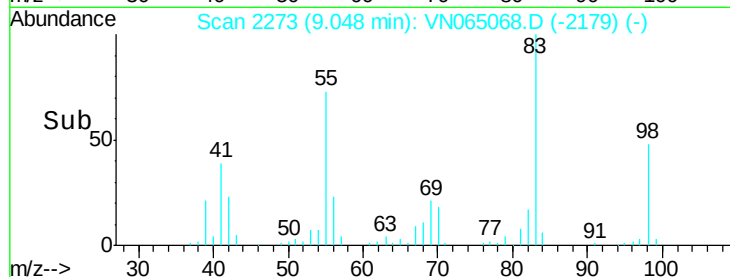
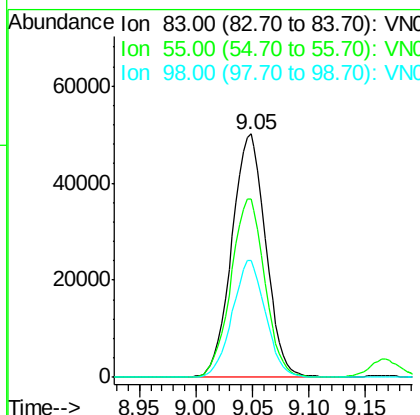
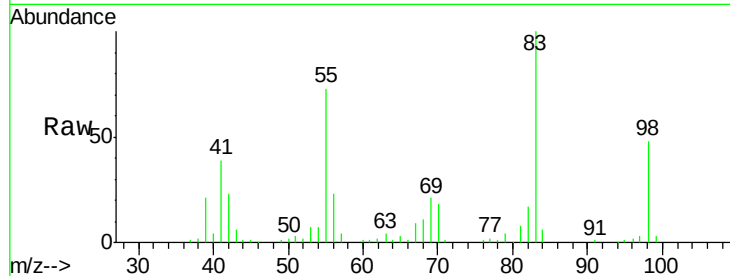
#39
Methylvlcyclohexane
Concen: 42.518 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	104839
Ion Ratio	Lower	Upper	
83	100		
55	73.2	60.3	90.5
98	48.0	37.4	56.0

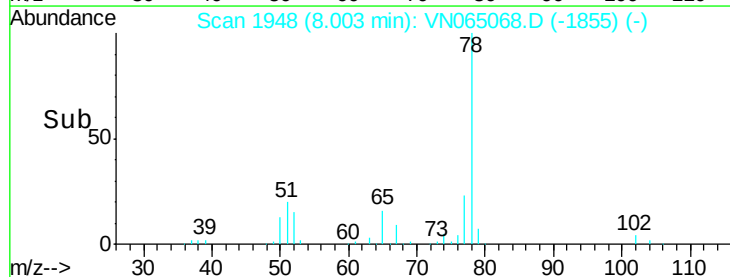
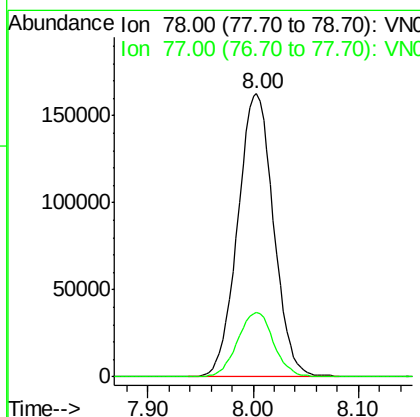
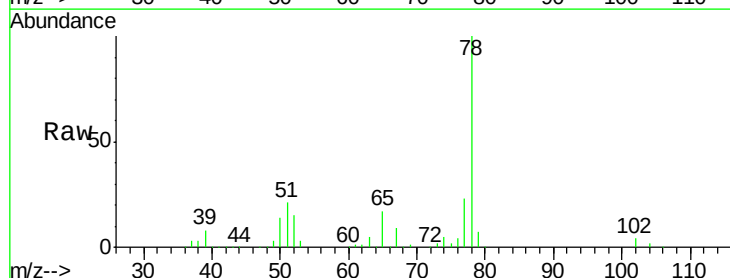
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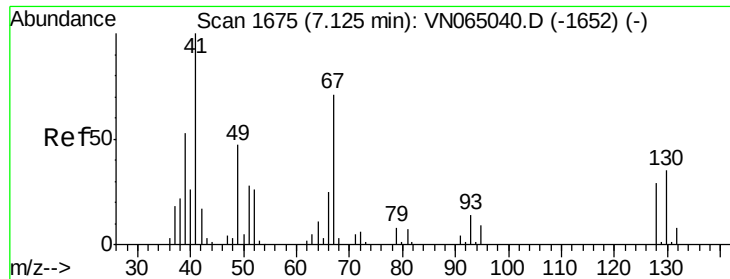
MMDadoda
12/11/2020 12:33:13 PM



#40
Benzene
Concen: 49.527 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	78	Resp	384855
Ion Ratio	Lower	Upper	
78	100		
77	22.9	18.7	28.1





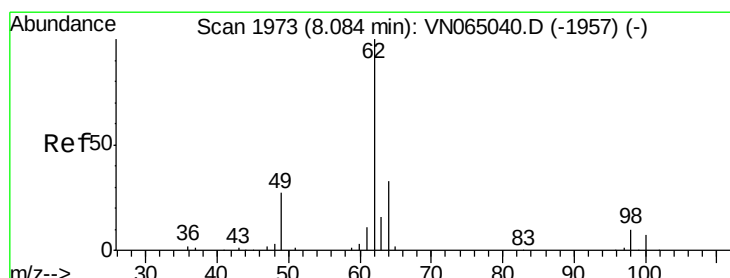
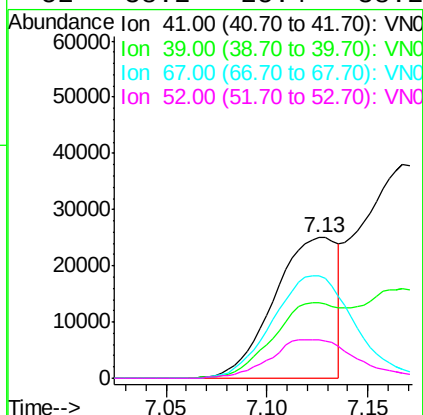
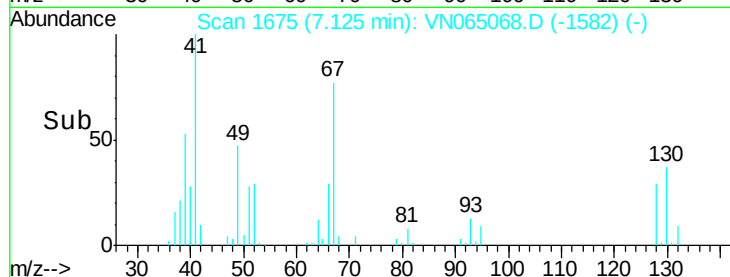
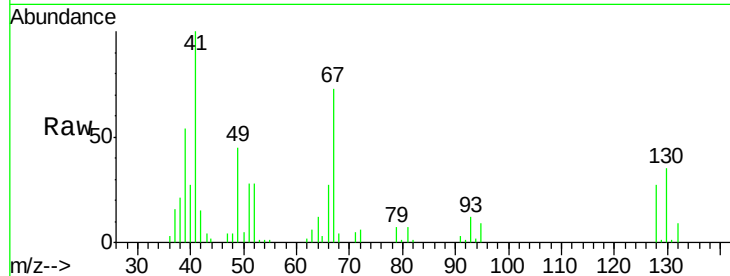
#41
Methacrylonitrile
Concen: 45.884 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	36.0	54.0#
67	95.0	64.8	97.2
52	38.2	25.4	38.2#

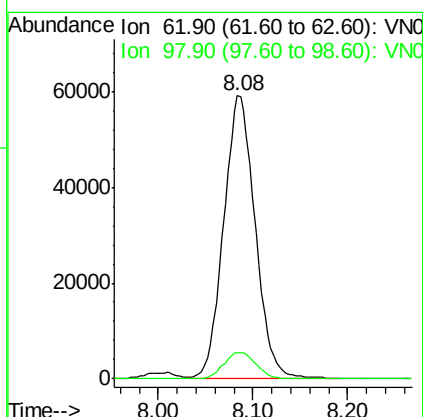
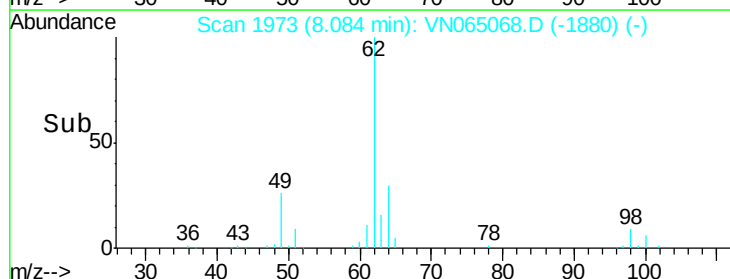
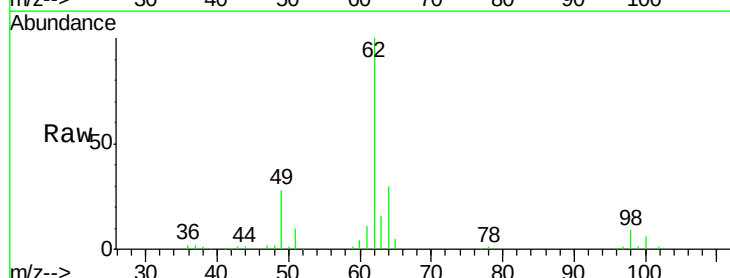
Manual Integrations
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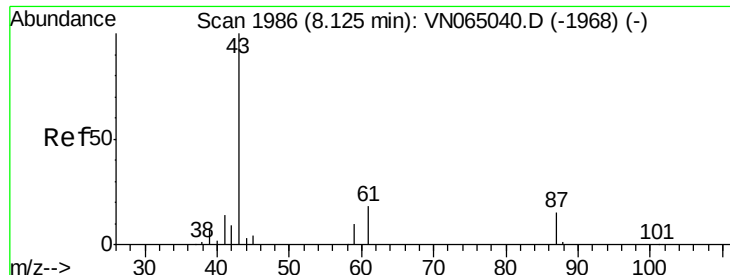
MMDadoda
12/11/2020 12:33:13 PM



#42
1,2-Dichloroethane
Concen: 51.376 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8





#43

Isopropyl Acetate

Concen: 52.570 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

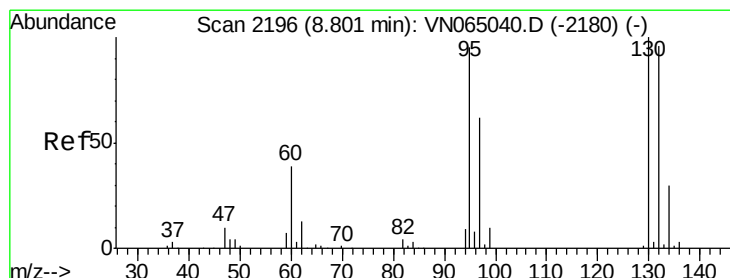
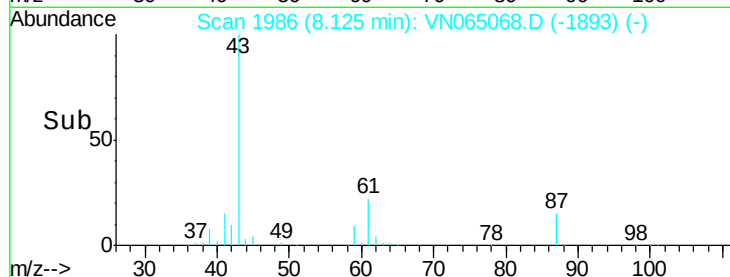
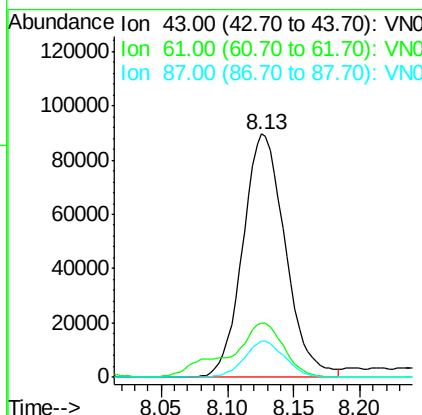
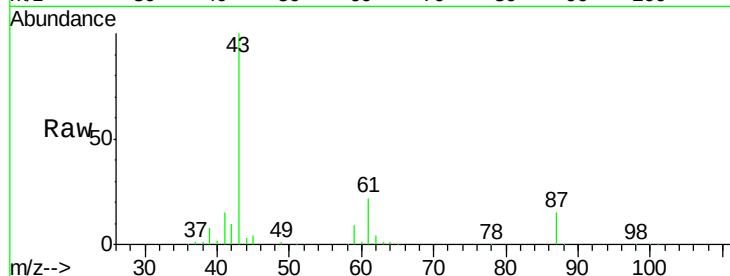
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	199341
Ion Ratio	Lower	Upper	
43	100		
61	28.1	16.9	25.3#
87	14.3	11.4	17.2

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#44

Trichloroethene

Concen: 47.596 ug/l

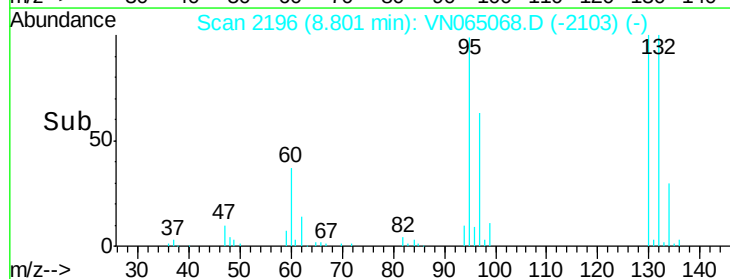
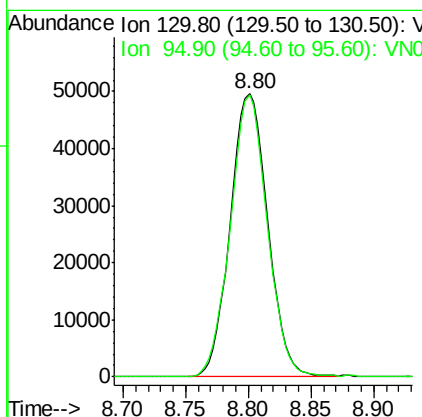
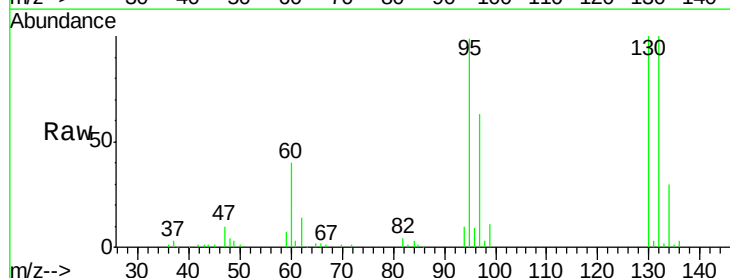
RT: 8.80 min Scan# 2196

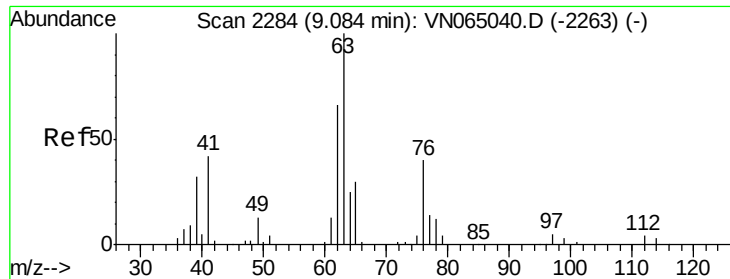
Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tgt Ion:	130	Resp:	103302
Ion Ratio	Lower	Upper	
130	100		
95	99.5	0.0	190.2





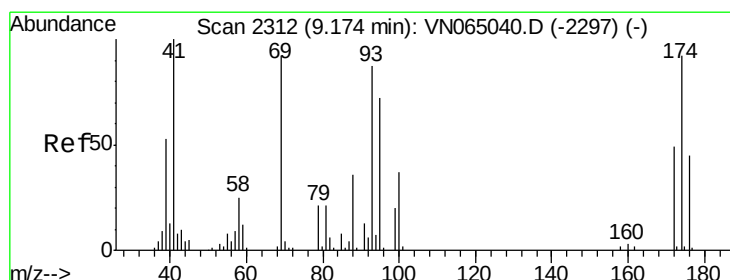
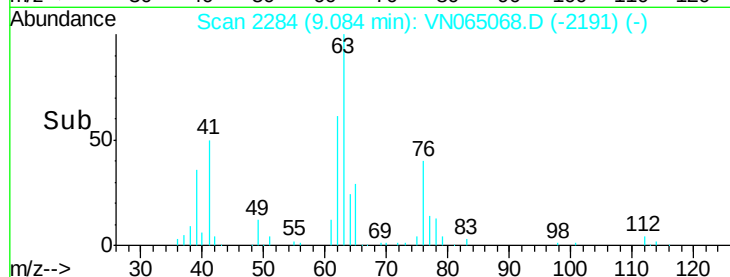
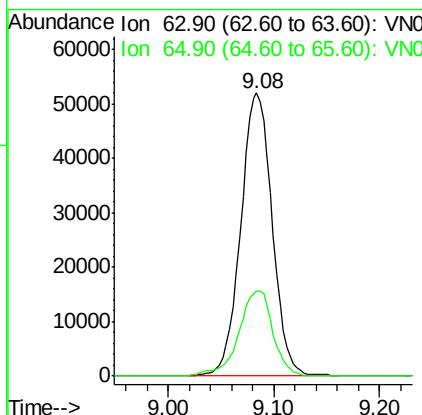
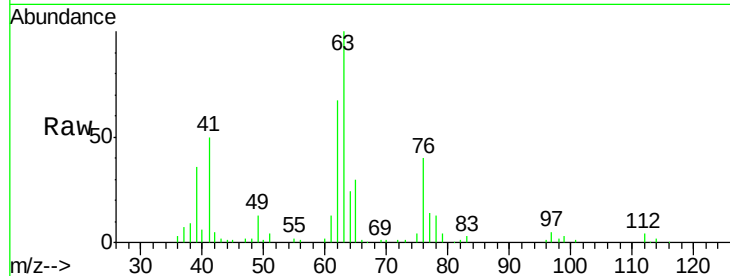
#45
 1,2-Dichloropropane
 Concen: 51.264 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 107760
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0

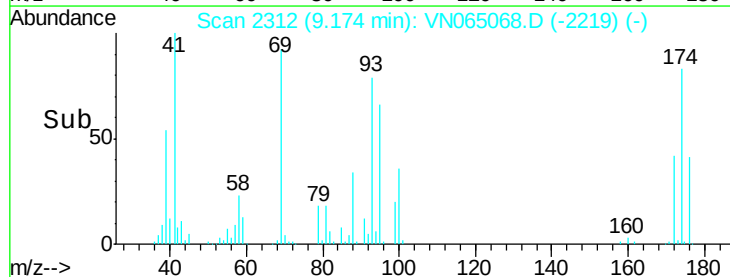
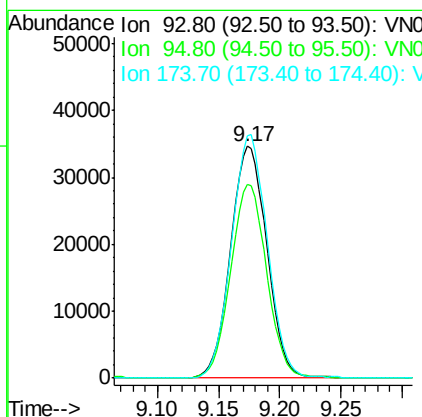
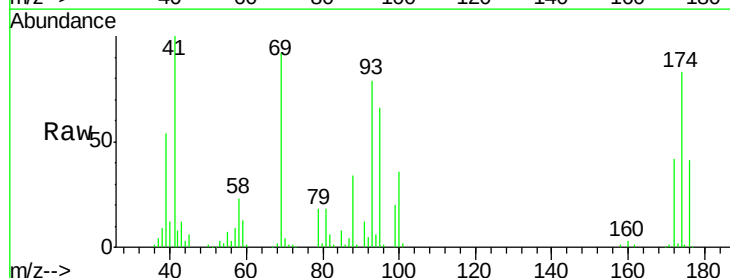
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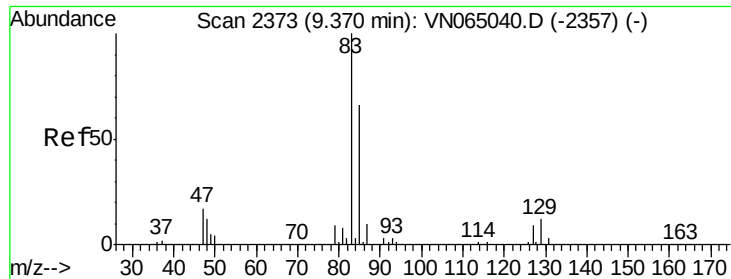
MMDadoda
 12/11/2020 12:33:13 PM



#46
 Dibromomethane
 Concen: 52.686 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion: 93 Resp: 71744
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.7 98.5
 174 103.4 83.0 124.4





#47

Bromodichloromethane

Concen: 51.773 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

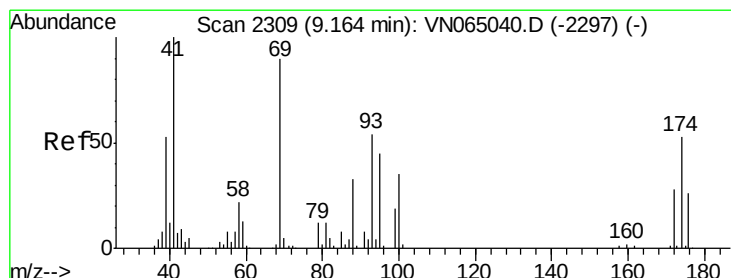
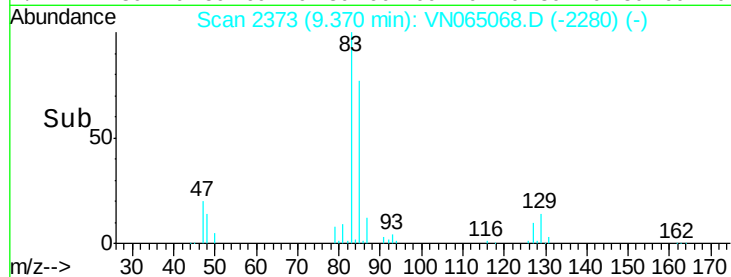
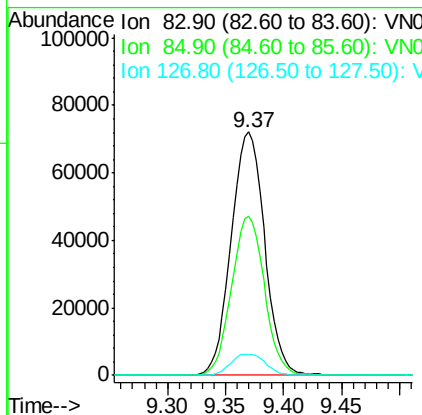
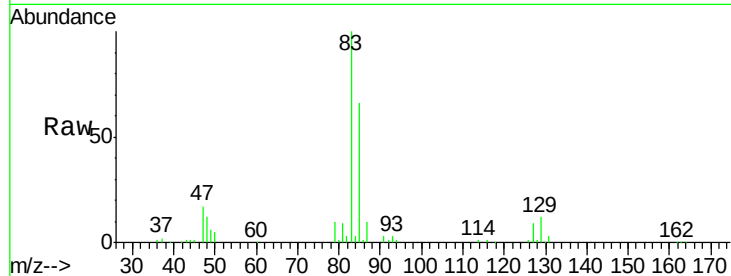
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	144411
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.5	78.7
127	8.8	7.1	10.7

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#48

Methyl methacrylate

Concen: 55.332 ug/l

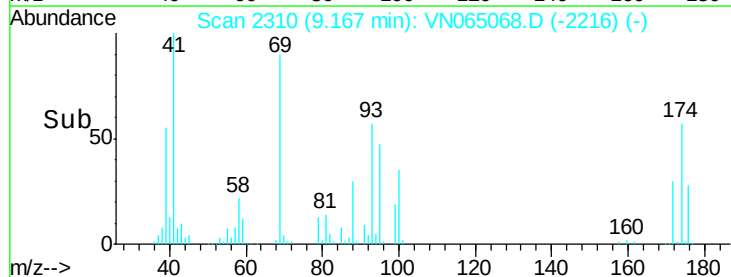
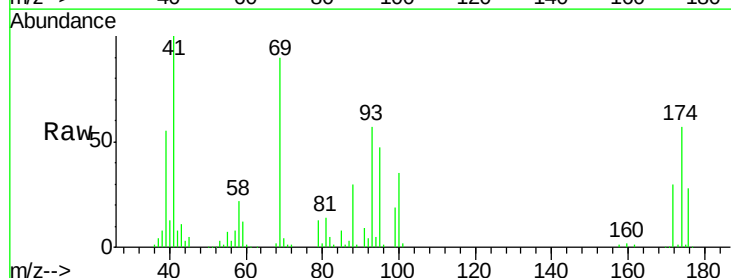
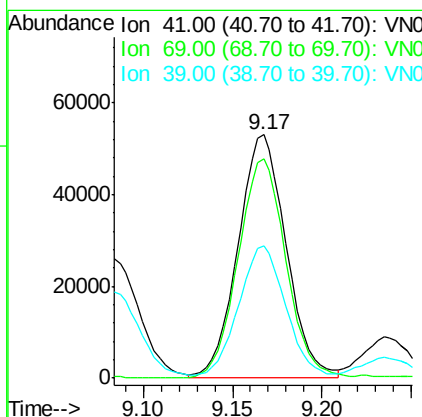
RT: 9.17 min Scan# 2310

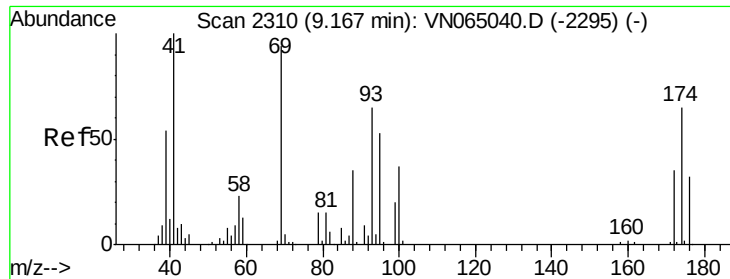
Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tgt Ion:	41	Resp:	99603
Ion Ratio	Lower	Upper	
41	100		
69	90.1	72.1	108.1
39	53.9	43.8	65.6





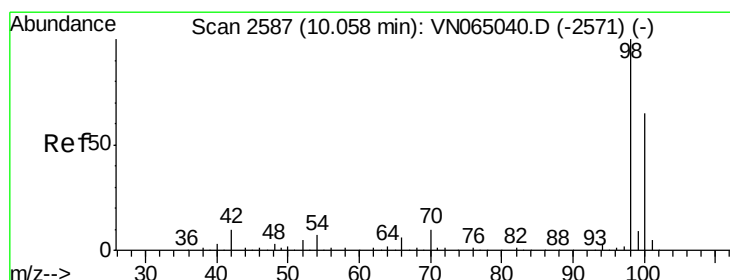
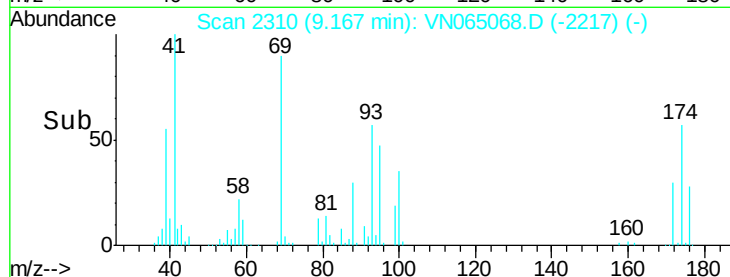
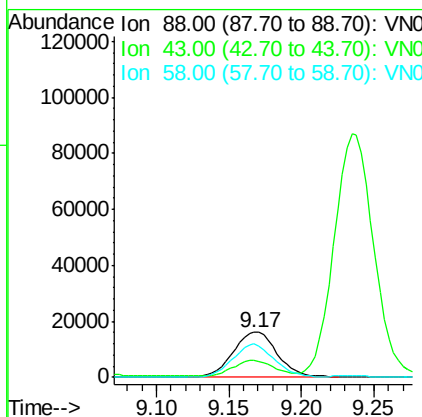
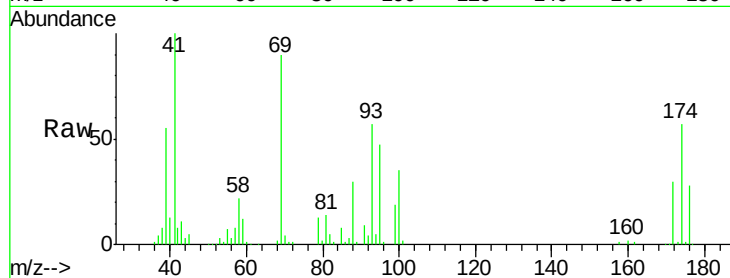
#49
1,4-Dioxane
Concen: 1047.596 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	21.1	31.7
58	69.3	53.8	80.8

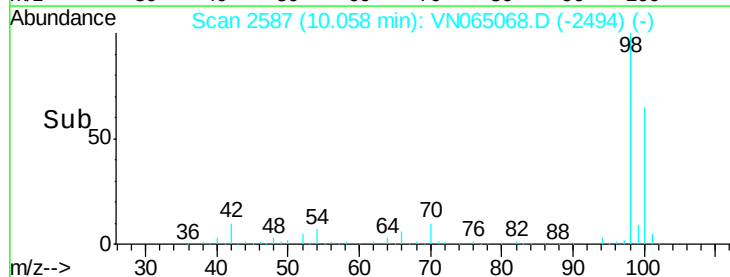
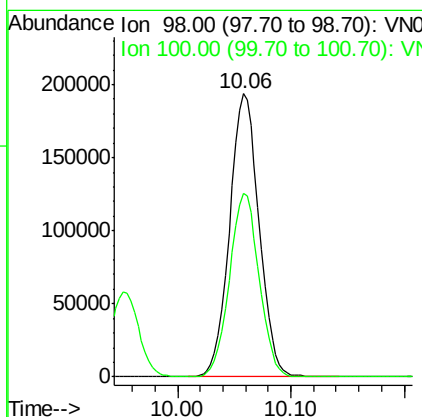
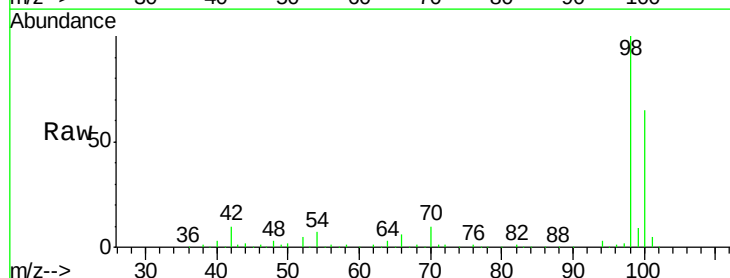
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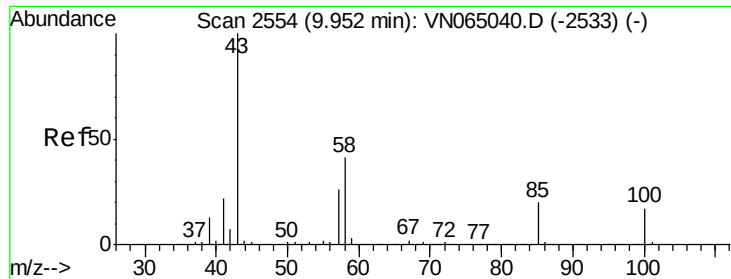
MMDadoda
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#50
Toluene-d8
Concen: 47.000 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 276.007 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 625711

Ion Ratio Lower Upper

43 100

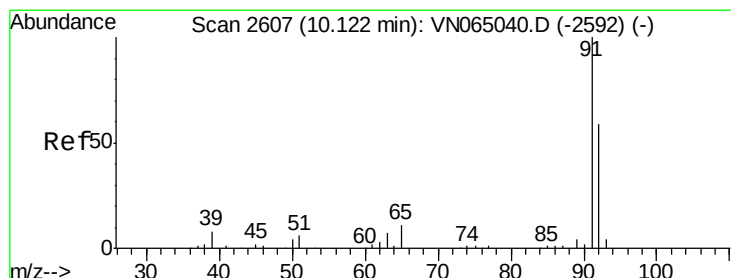
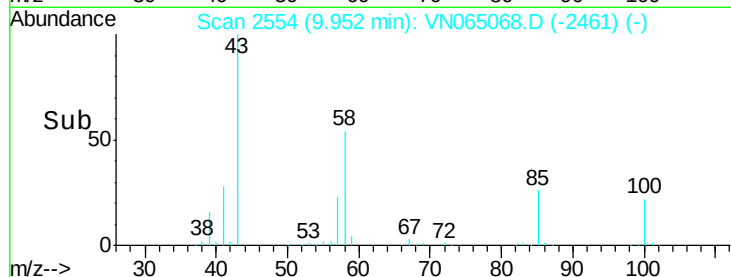
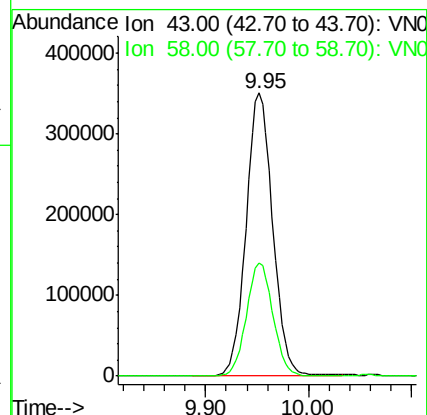
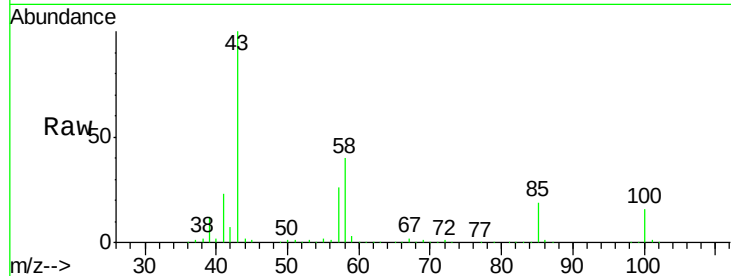
58 40.1 32.4 48.6

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#52

Toluene

Concen: 48.314 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065068.D

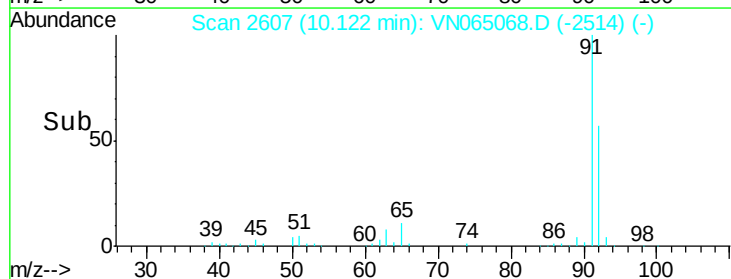
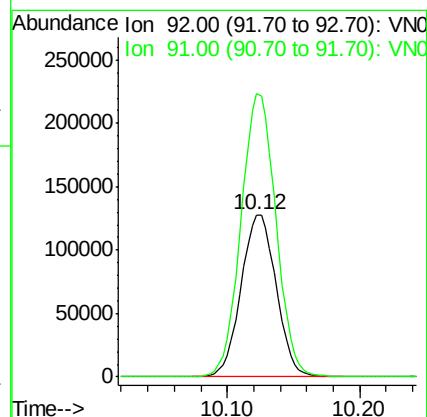
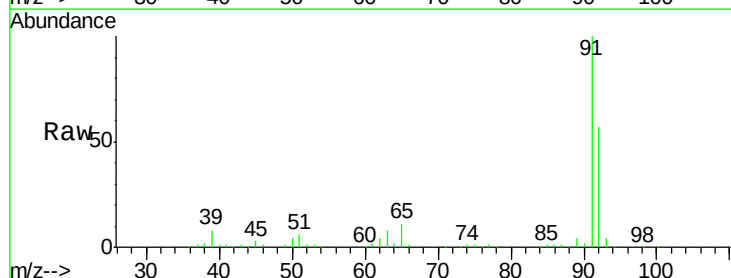
Acq: 11 Dec 2020 4:36

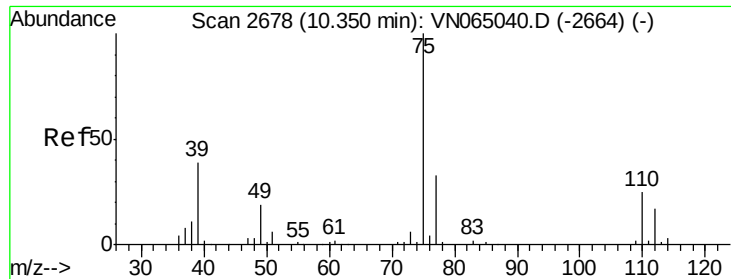
Tgt Ion: 92 Resp: 235262

Ion Ratio Lower Upper

92 100

91 173.8 137.9 206.9





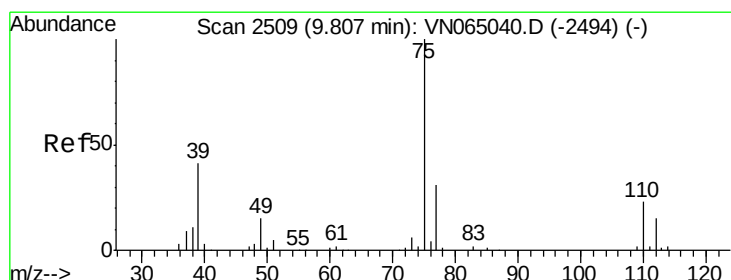
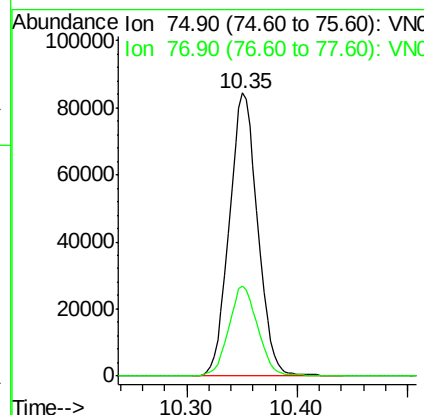
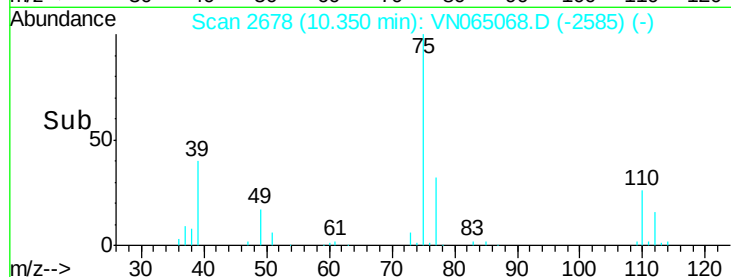
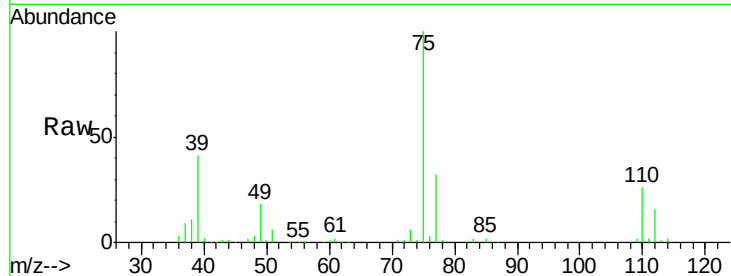
#53
t-1,3-Dichloropropene
Concen: 50.631 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 150512
Ion Ratio Lower Upper
75 100
77 31.7 26.0 39.0

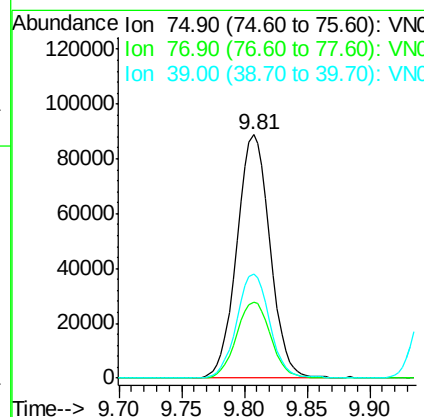
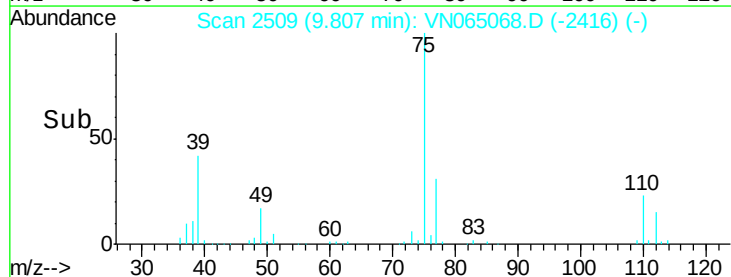
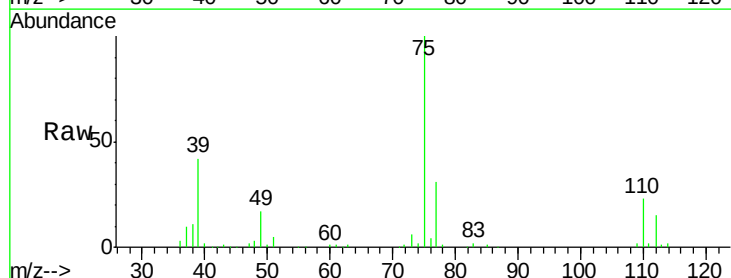
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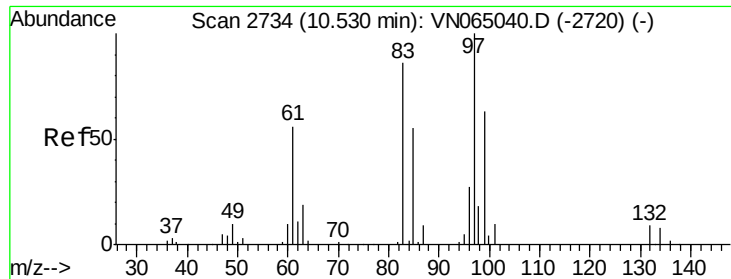
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.220 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion: 75 Resp: 163655
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 42.5 33.0 49.4





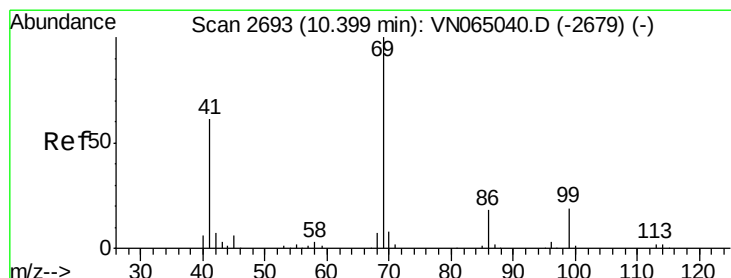
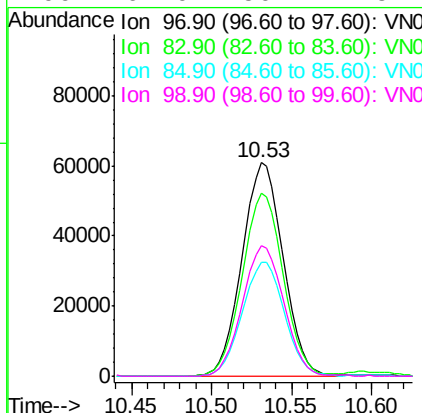
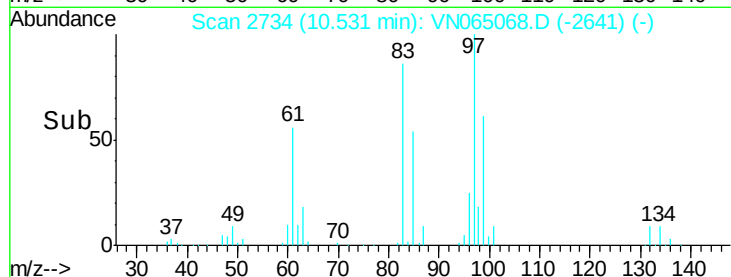
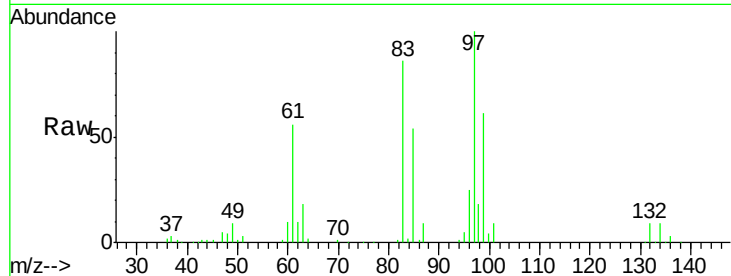
#55
1,1,2-Trichloroethane
Concen: 53.176 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	107212
Ion Ratio	Lower	Upper	
97	100		
83	85.7	69.0	103.6
85	53.6	43.6	65.4
99	61.0	50.1	75.1

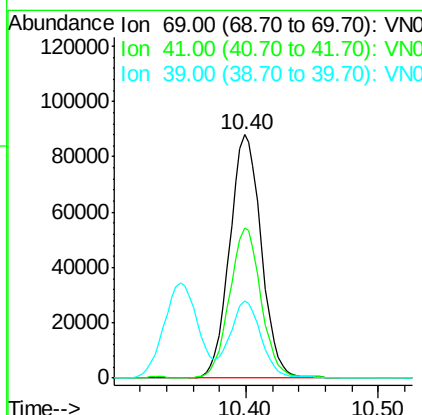
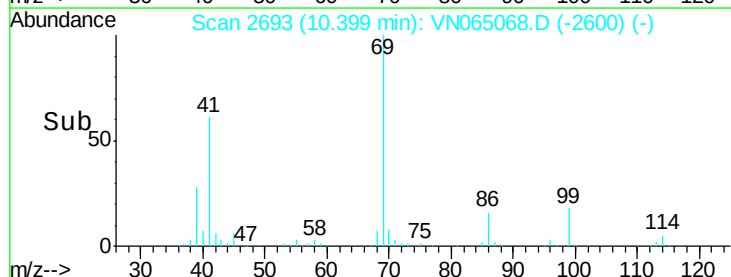
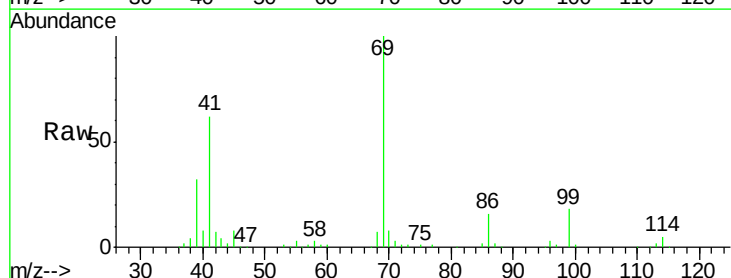
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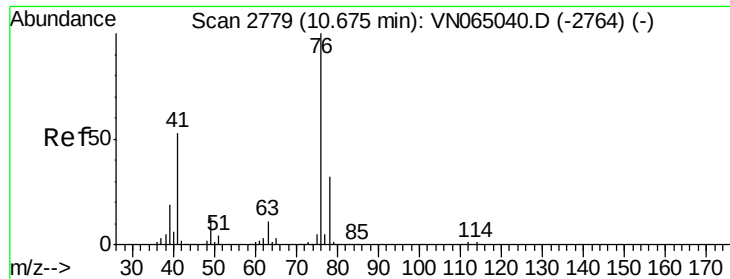
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#56
Ethyl methacrylate
Concen: 54.787 ug/l
RT: 10.40 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion:	69	Resp:	145872
Ion Ratio	Lower	Upper	
69	100		
41	60.9	48.2	72.2
39	31.2	24.7	37.1





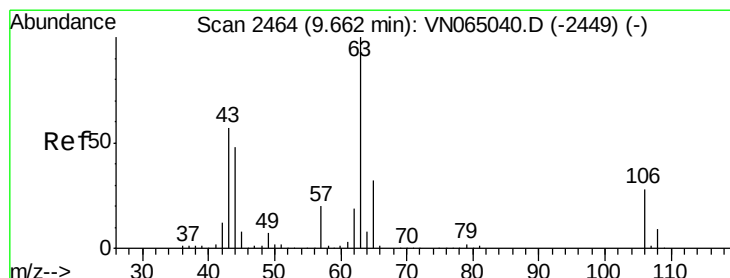
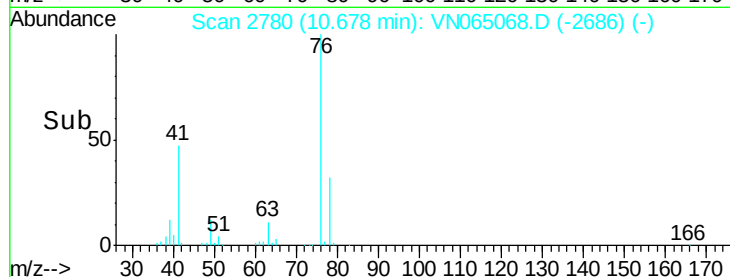
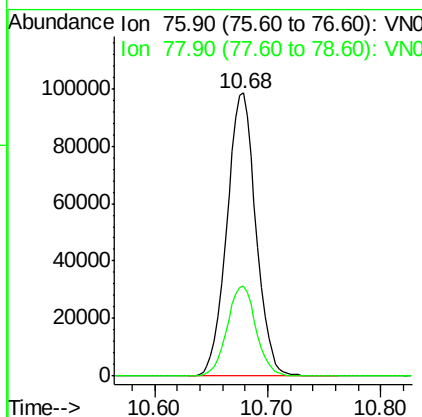
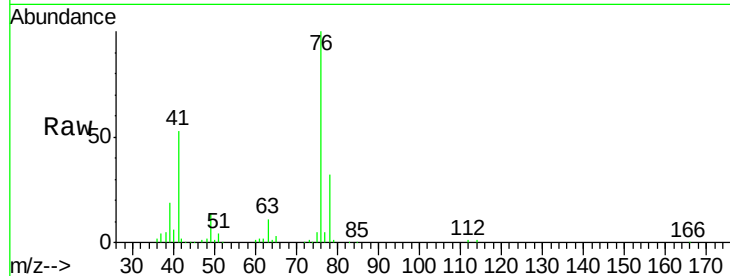
#57
 1,3-Dichloropropane
 Concen: 52.846 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 175293
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.5 39.7

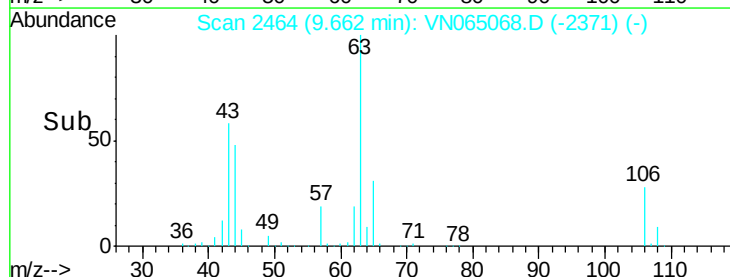
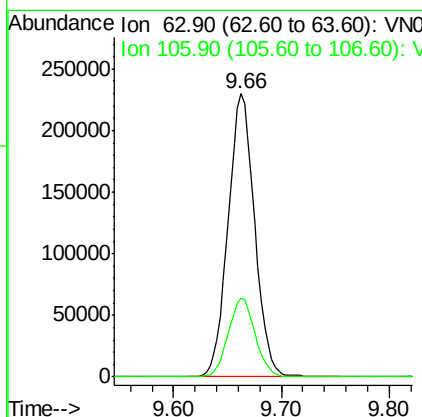
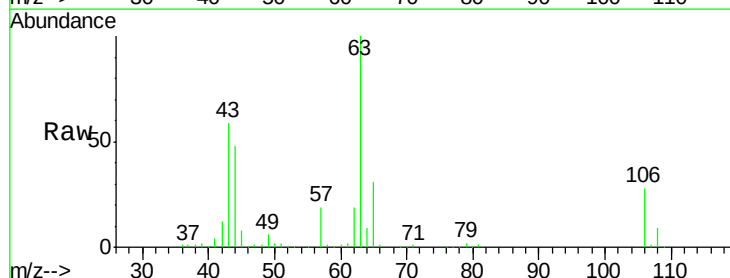
Manual Integrations
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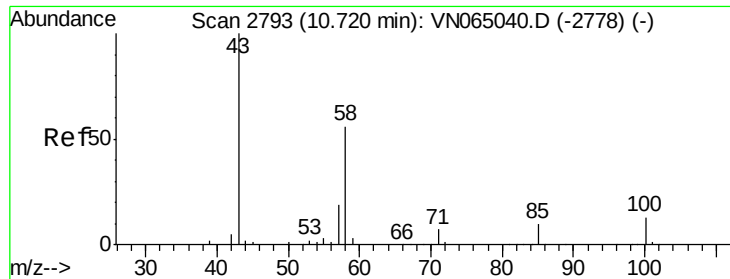
MMDadoda
 12/11/2020 12:33:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.472 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion: 63 Resp: 395099
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.6 33.8





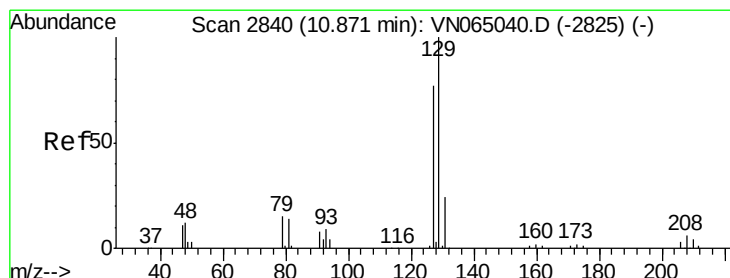
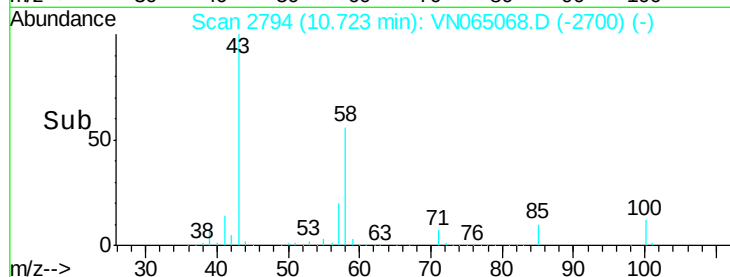
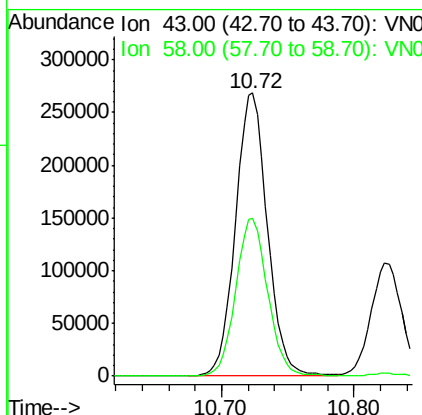
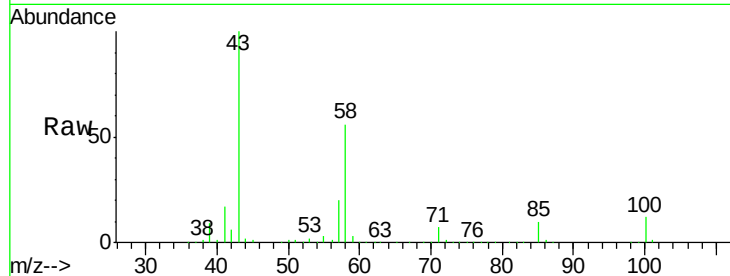
#59
2-Hexanone
Concen: 272.721 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 445413
Ion Ratio Lower Upper
43 100
58 56.4 28.3 84.9

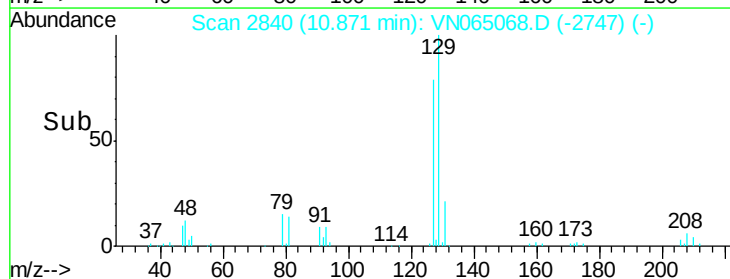
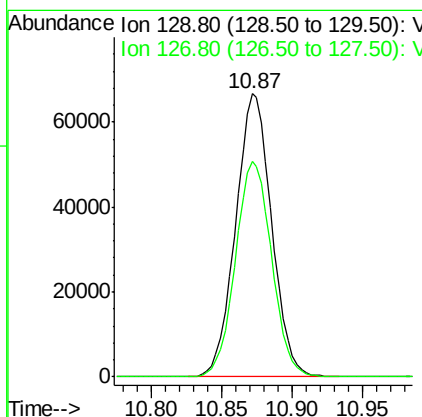
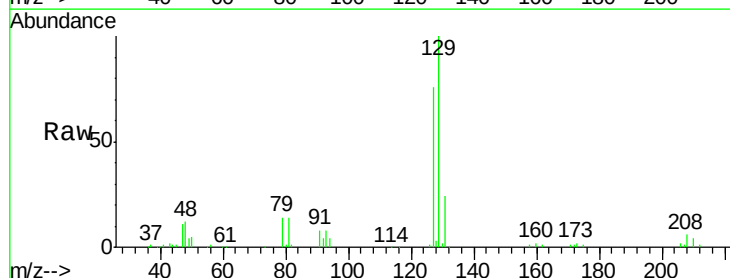
Manual Integrations
APPROVED

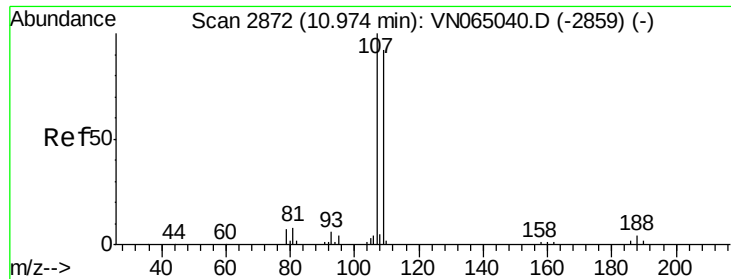
MMDadoda
12/11/2020 12:33:13 PM



#60
Dibromochloromethane
Concen: 51.914 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion: 129 Resp: 119088
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.1





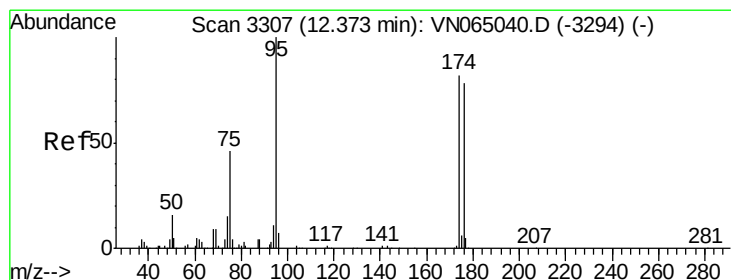
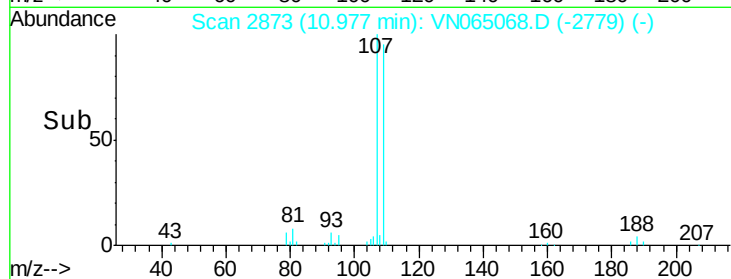
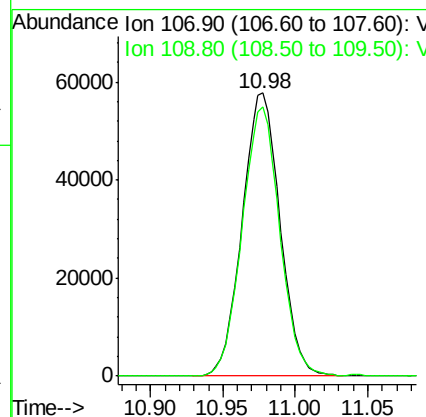
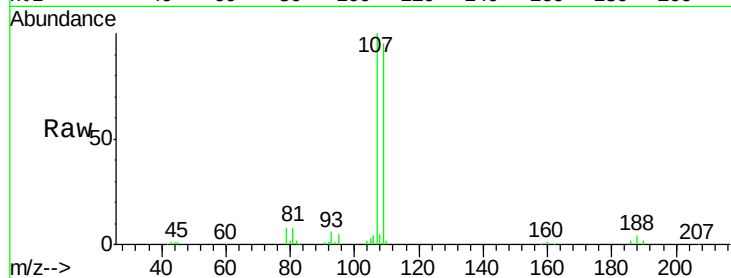
#61
 1,2-Dibromoethane
 Concen: 51.876 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104694		
109	94.5	74.1	111.1	

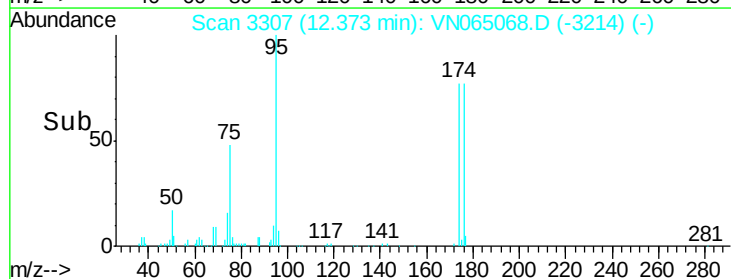
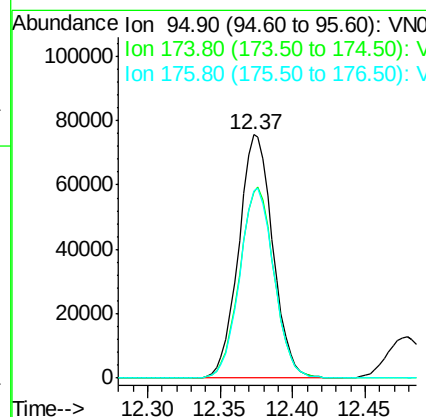
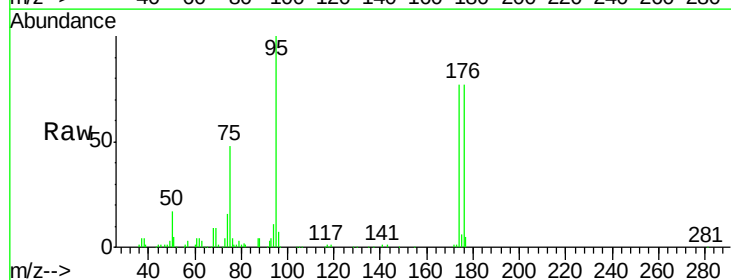
Manual Integrations
 APPROVED

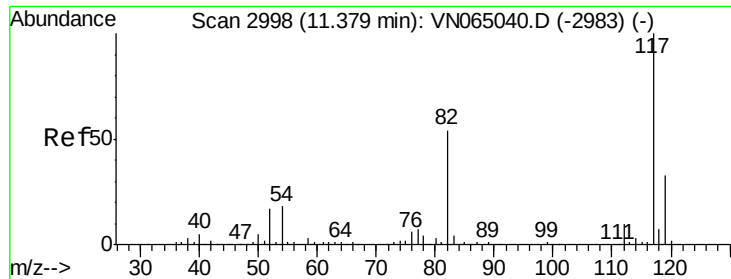
MMDadoda
 12/11/2020 12:33:13 PM



#62
 4-Bromofluorobenzene
 Concen: 48.403 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	123858		
174	79.1	0.0	164.8	
176	78.3	0.0	158.8	





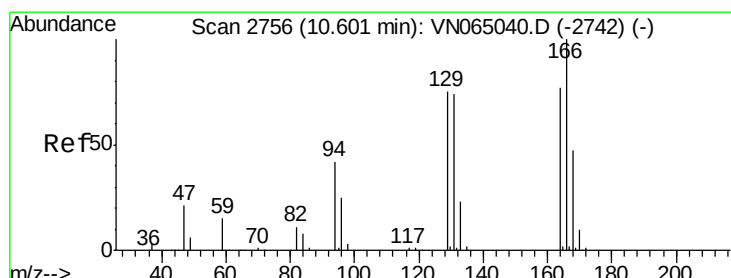
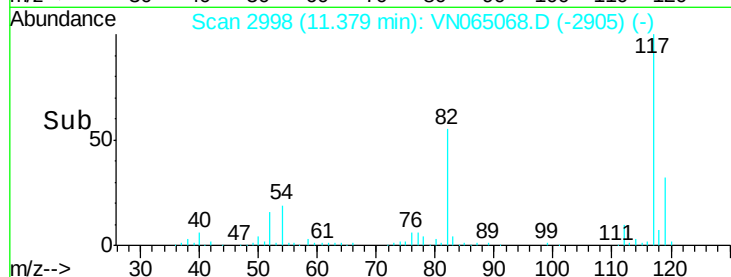
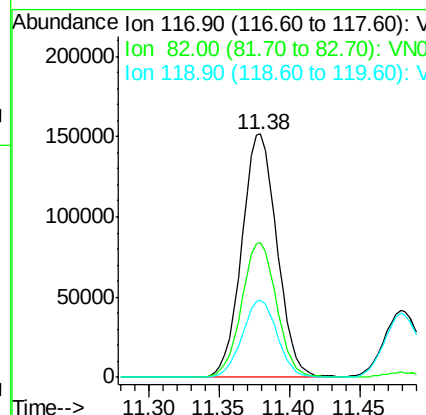
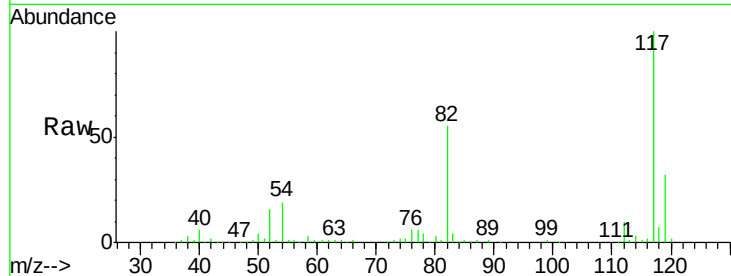
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.5	65.3
119	31.7	26.4	39.6

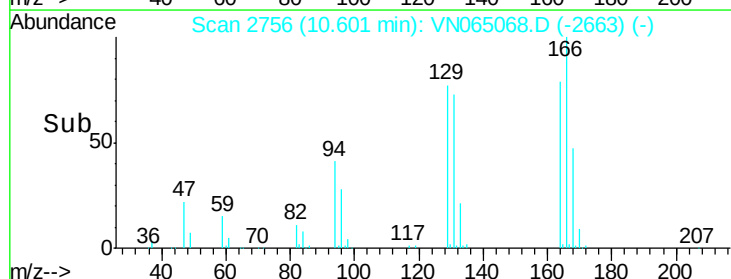
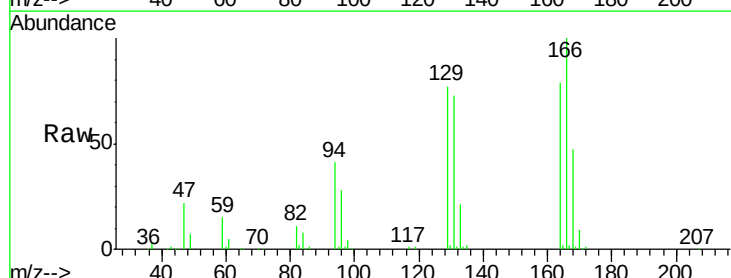
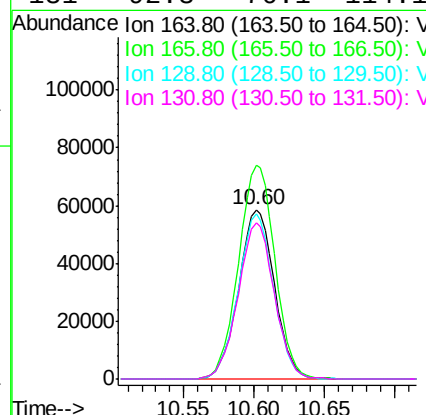
Manual Integrations
APPROVED

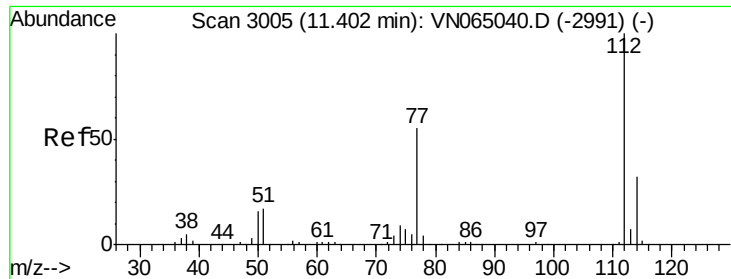
MMDadoda
12/11/2020 12:33:13 PM



#64
Tetrachloroethene
Concen: 46.312 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.3	154.9
129	97.5	77.0	115.4
131	92.3	76.1	114.1





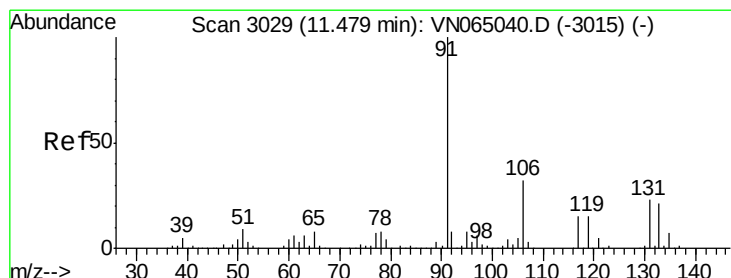
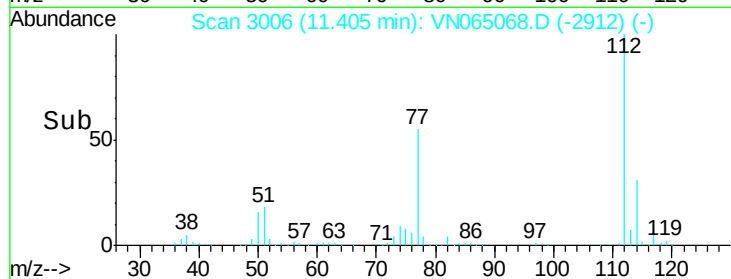
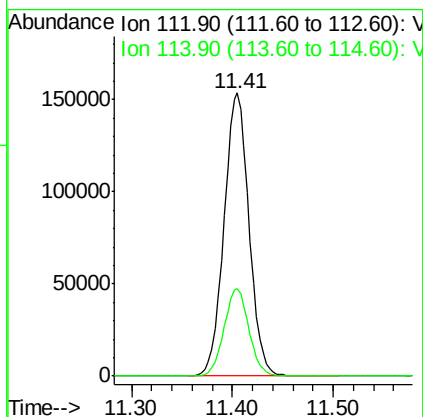
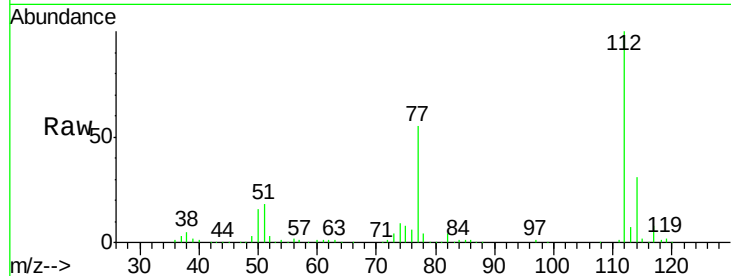
#65
Chlorobenzene
Concen: 48.781 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 265410
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9

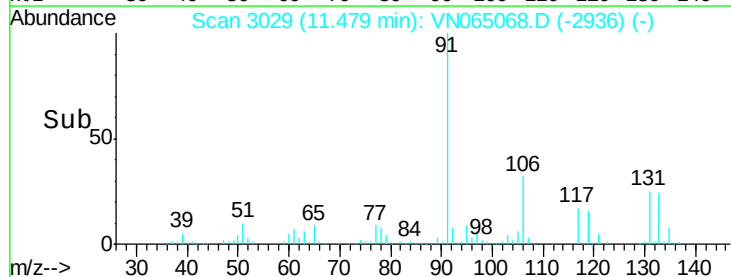
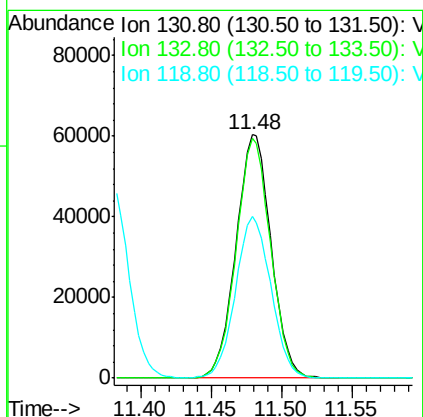
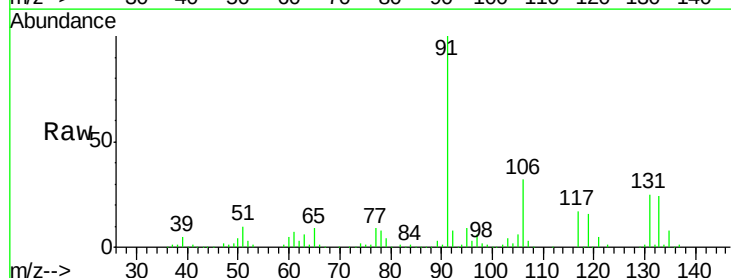
Manual Integrations
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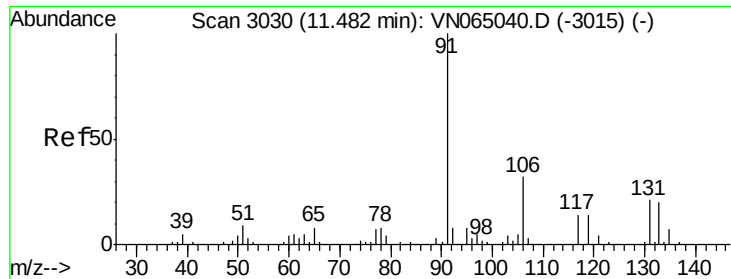
MMDadoda
12/11/2020 12:33:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.335 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion:131 Resp: 105273
Ion Ratio Lower Upper
131 100
133 96.6 48.7 146.1
119 66.9 33.2 99.6





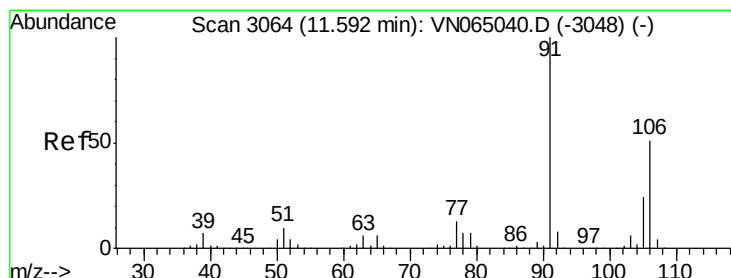
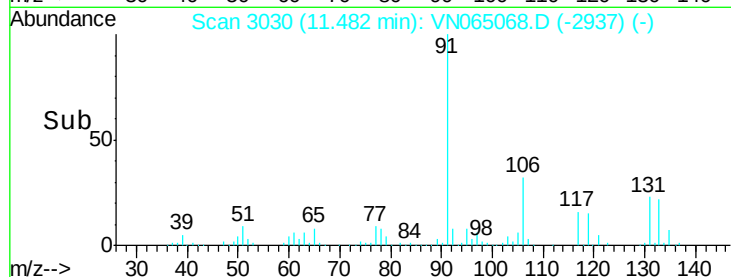
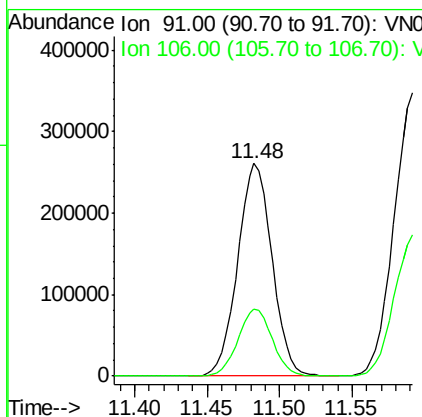
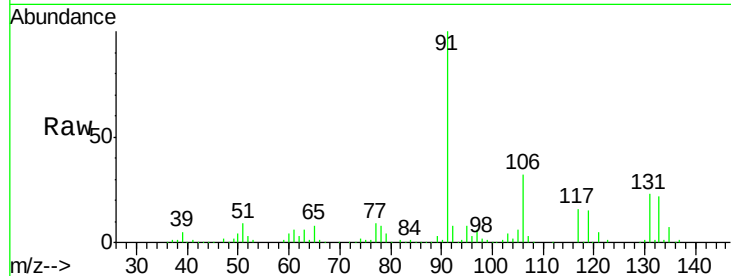
#67
Ethyl Benzene
Concen: 47.338 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 429736
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

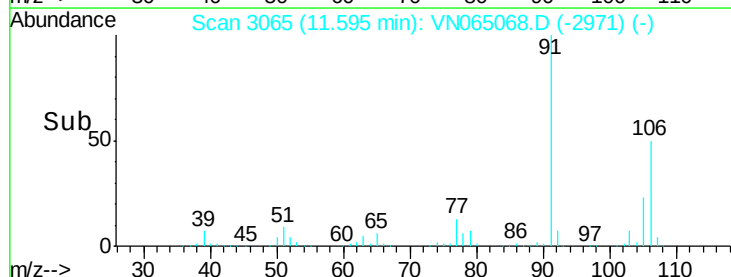
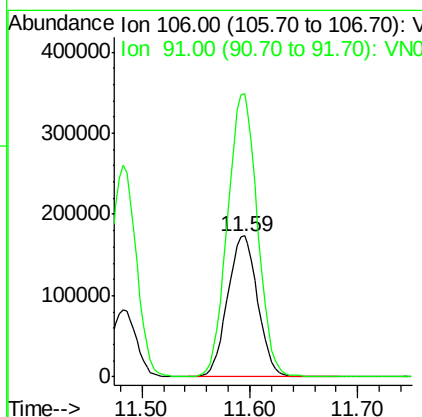
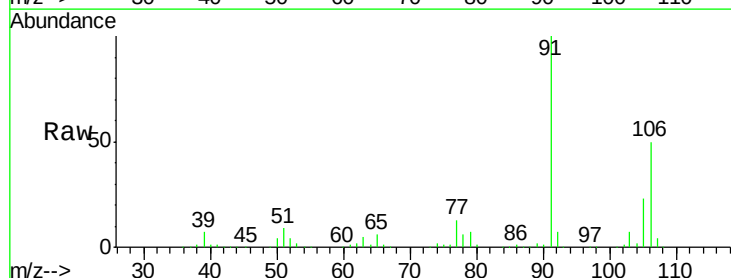
Manual Integrations
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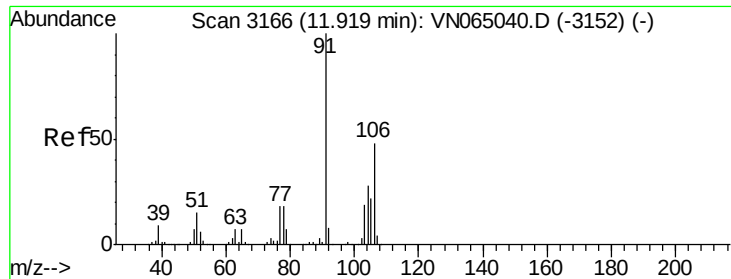
MMDadoda
12/11/2020 12:33:13 PM



#68
m/p-Xylenes
Concen: 95.890 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion: 106 Resp: 337357
Ion Ratio Lower Upper
106 100
91 199.4 157.0 235.6





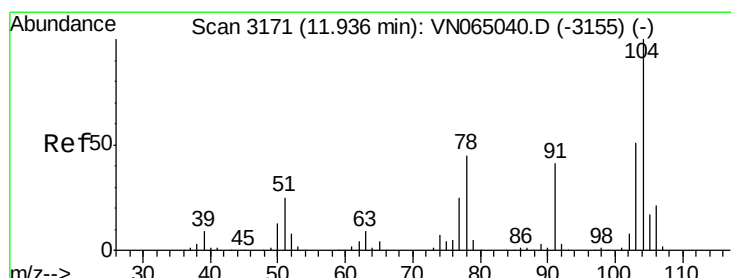
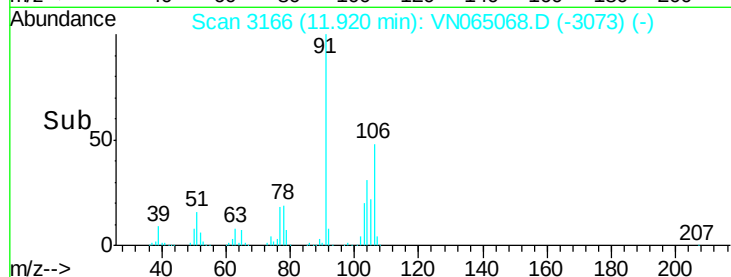
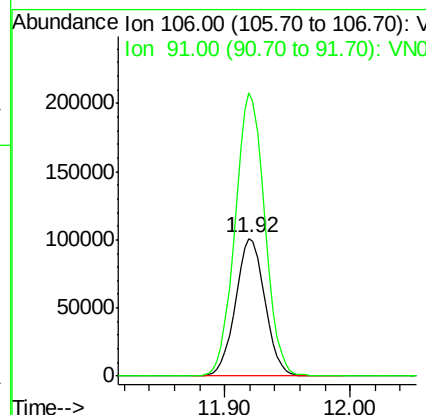
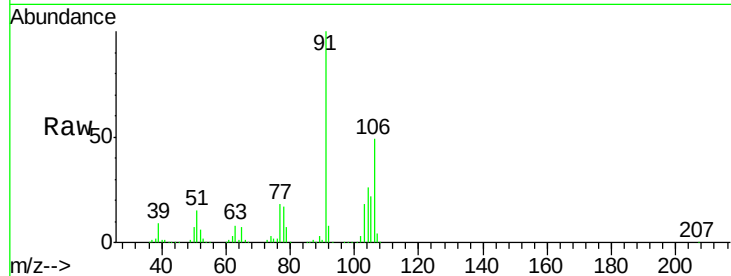
#69
o-Xylene
Concen: 49.005 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		164542		
91	207.7	104.1	312.3		

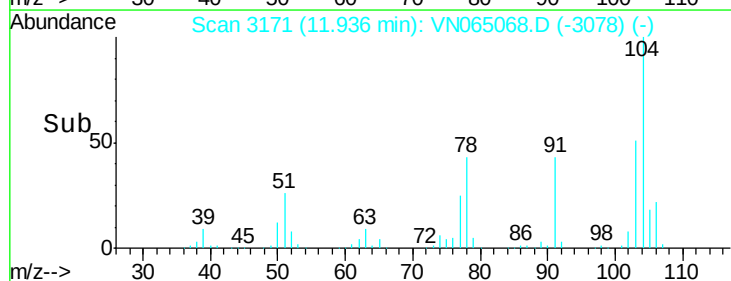
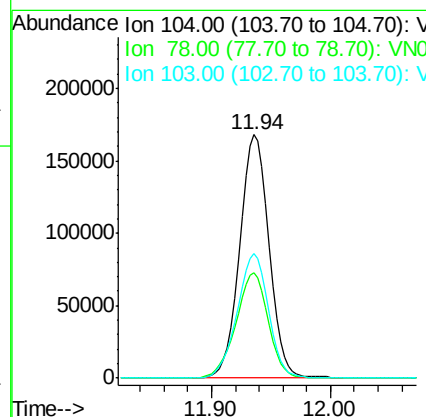
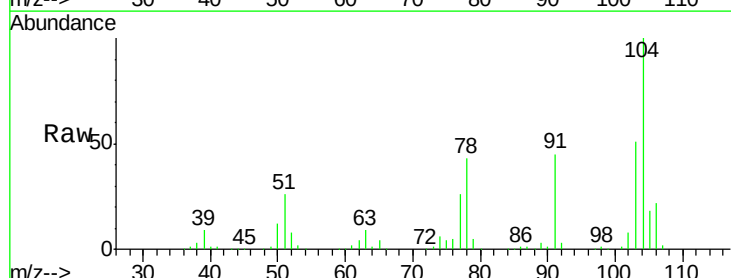
Manual Integrations
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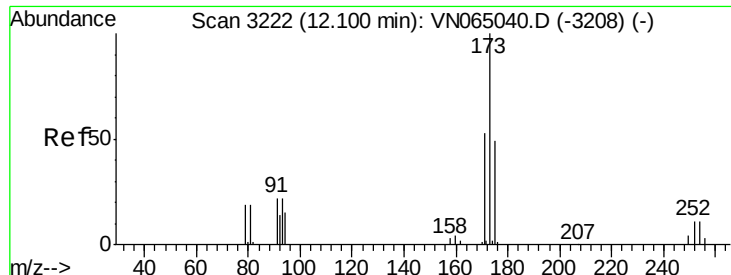
MMDadoda
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#70
Styrene
Concen: 50.582 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		287245		
78	47.6	38.7	58.1		
103	54.6	43.8	65.8		





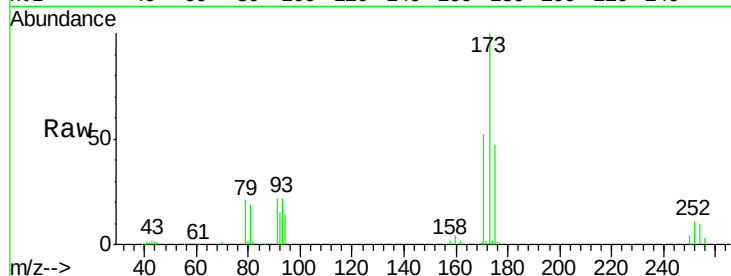
#71
Bromoform
Concen: 52.468 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
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12/11/2020 12:33:13 PM

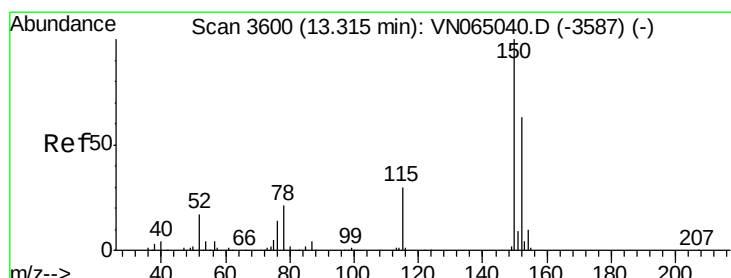
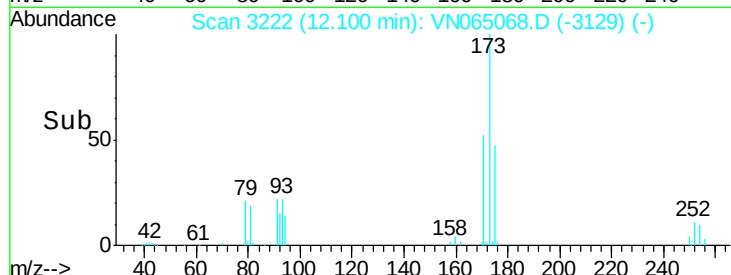
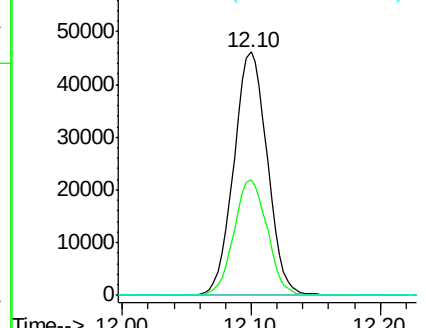


Abundance

Ion 172.70 (172.40 to 173.40): V

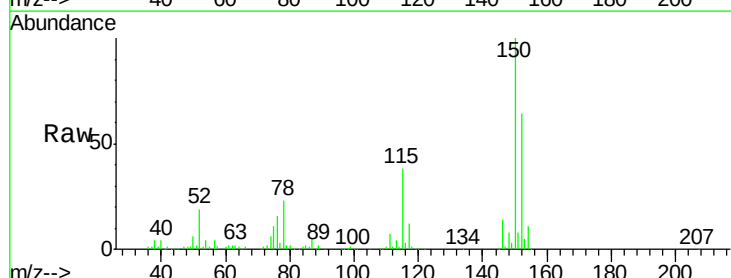
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.31 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.3	88.0
150	173.0	0.0	345.8

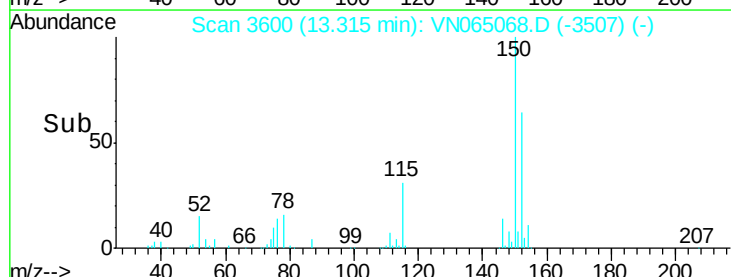
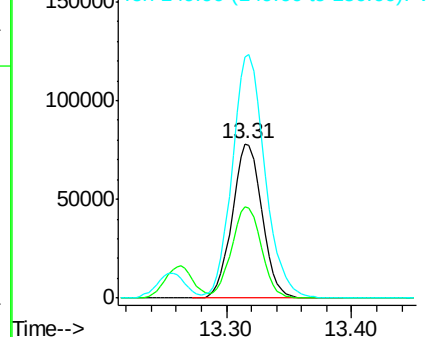


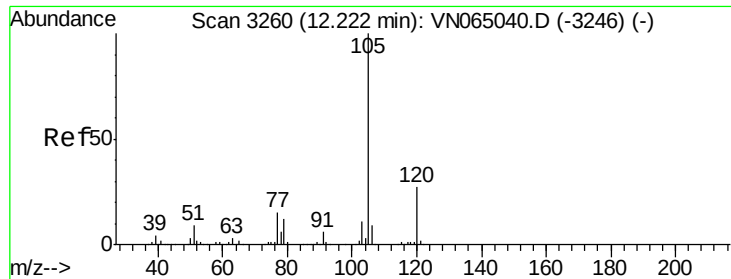
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





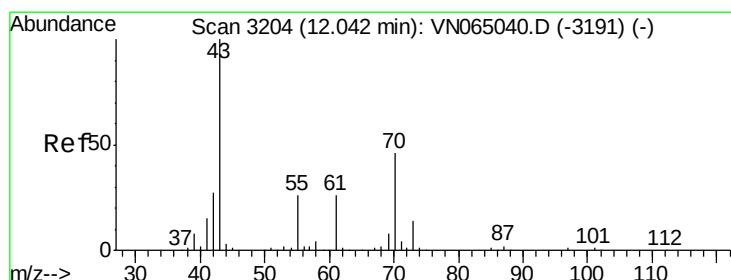
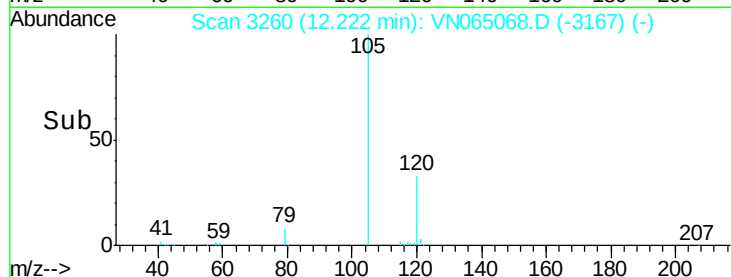
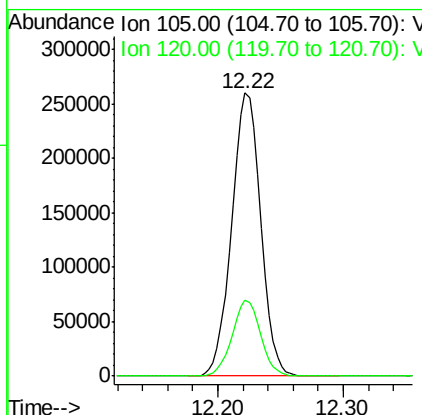
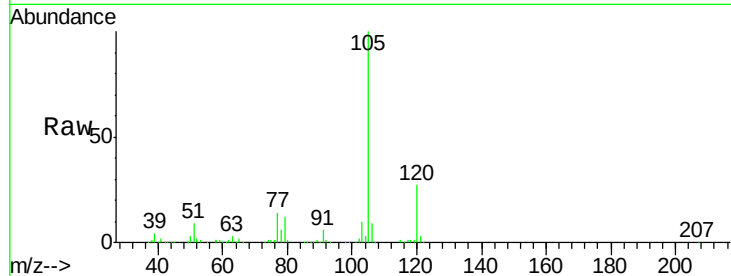
#73
Isopropylbenzene
Concen: 48.706 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 417406
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2

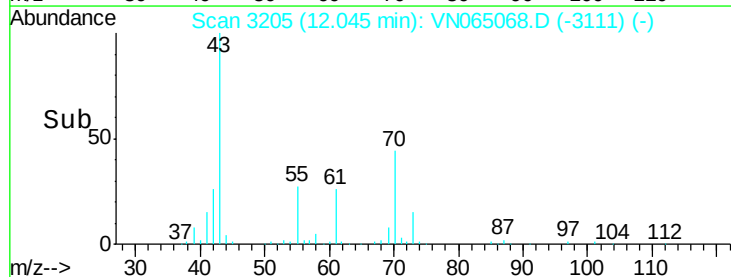
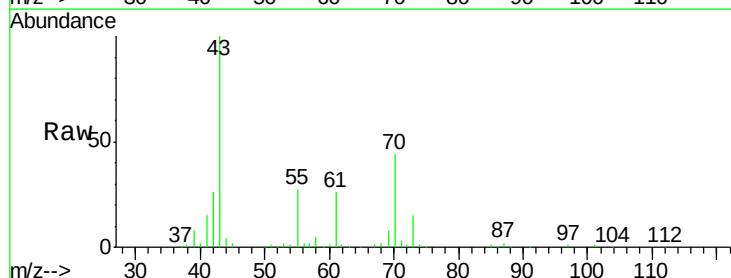
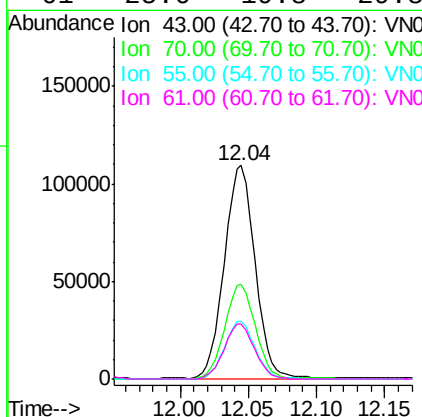
Manual Integrations
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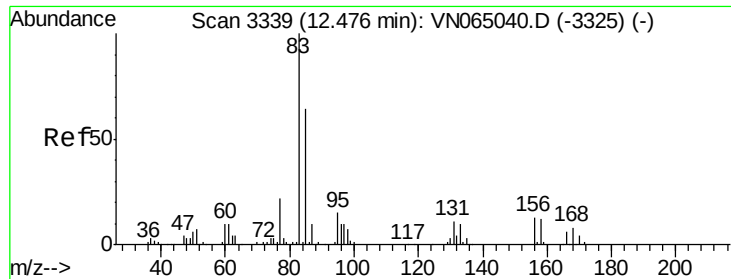
MMDadoda
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#74
N-ethyl acetate
Concen: 55.346 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion: 43 Resp: 170852
Ion Ratio Lower Upper
43 100
70 44.5 36.2 54.2
55 27.2 21.4 32.0
61 25.6 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.964 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

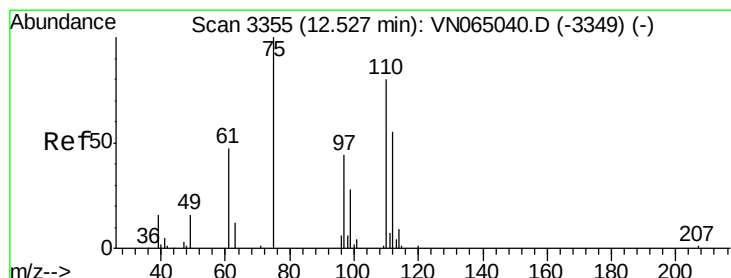
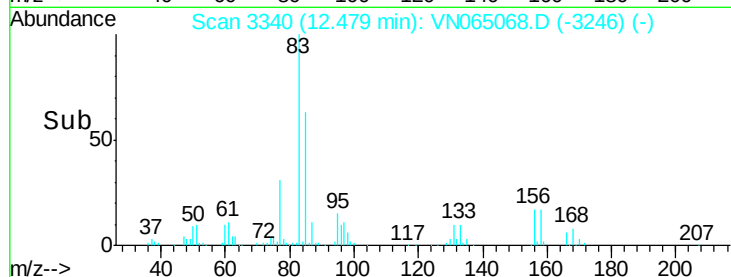
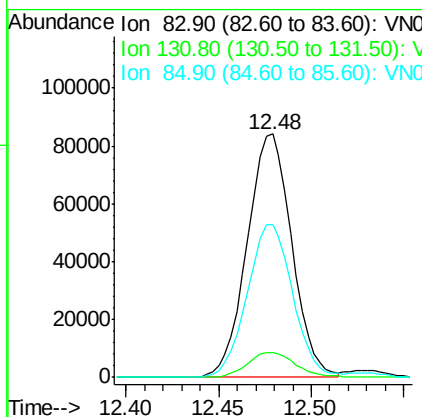
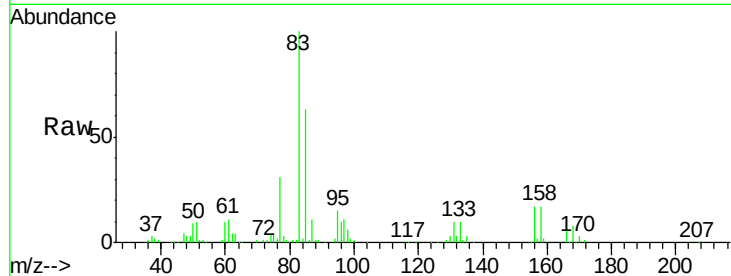
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	140462
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.2	32.3	96.9

Manual Integrations
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12/11/2020 12:33:13 PM



#76

1,2,3-Trichloropropane

Concen: 51.124 ug/l m

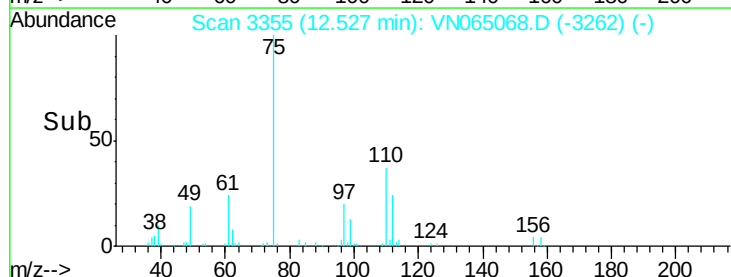
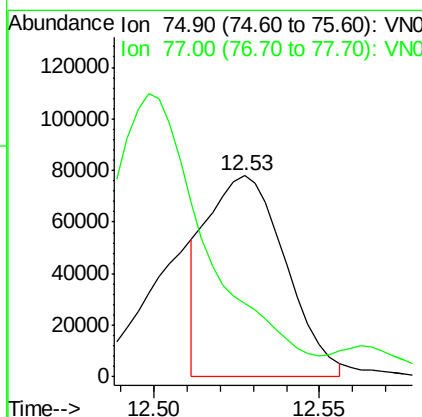
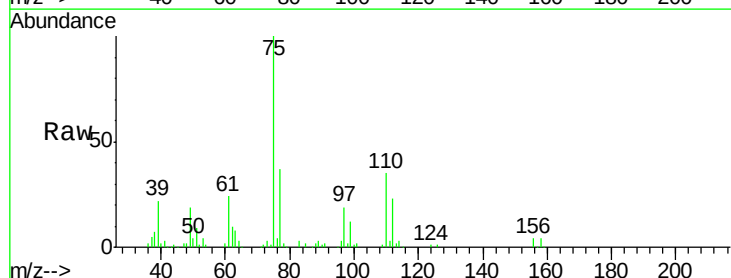
RT: 12.53 min Scan# 3355

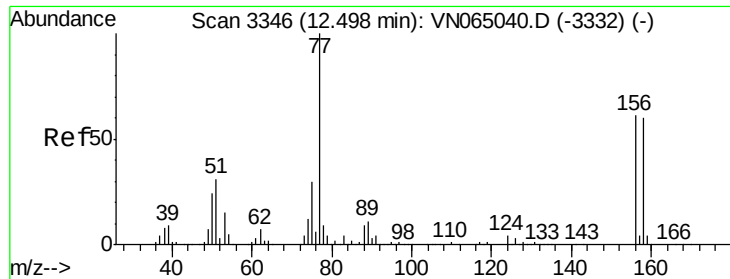
Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tgt Ion:	75	Resp:	128343
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





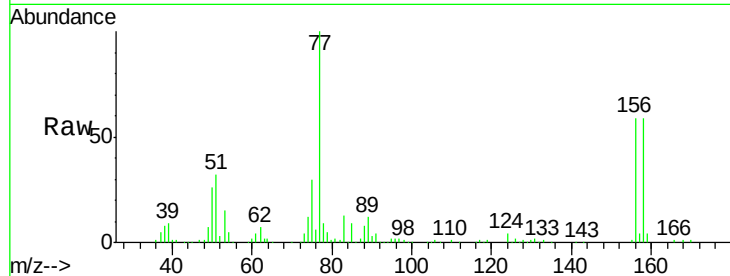
#77
Bromobenzene
Concen: 50.029 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

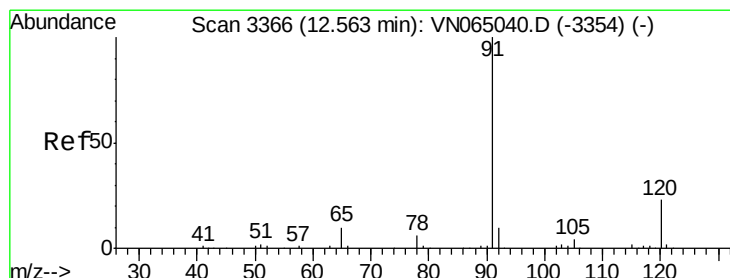
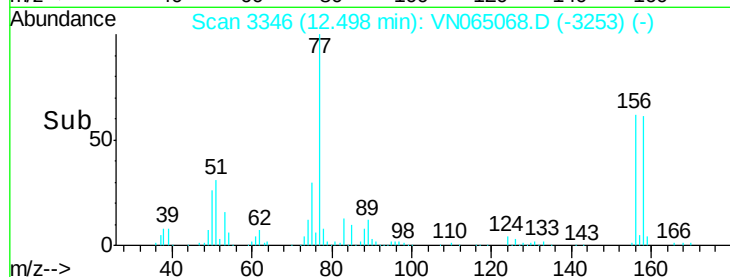
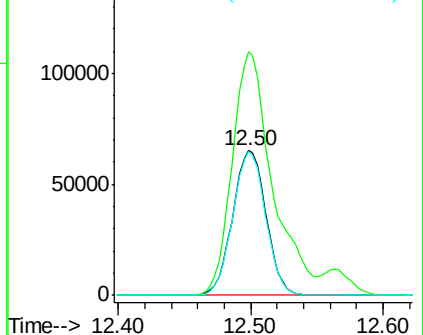
Tot Ion	Ratio	Lower	Upper
156	100		
77	202.8	99.3	297.8
158	97.7	49.0	147.0

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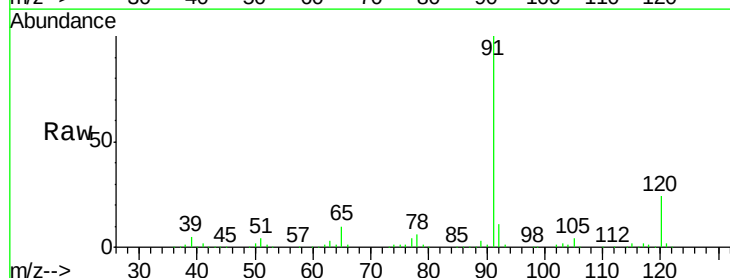


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

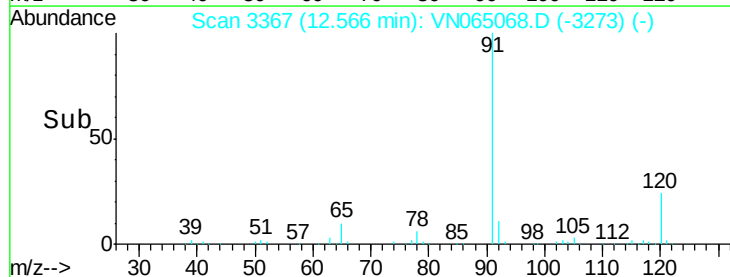
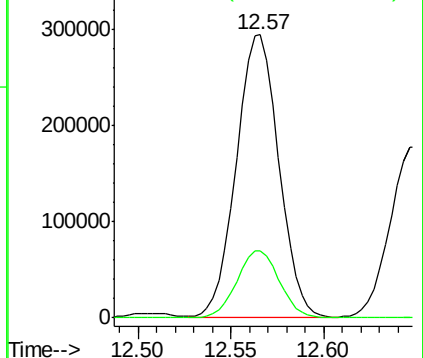


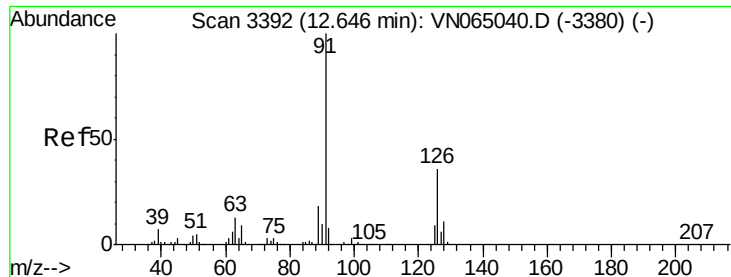
#78
n-propylbenzene
Concen: 48.576 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.350 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 291785

Ion Ratio Lower Upper

91 100

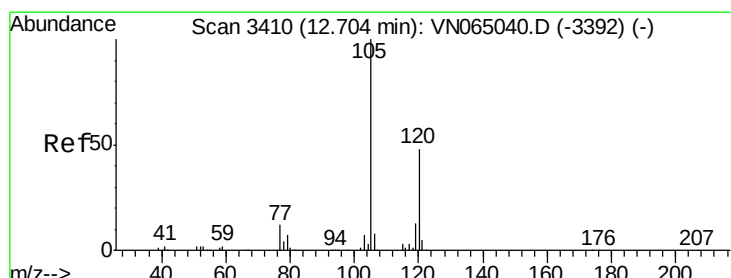
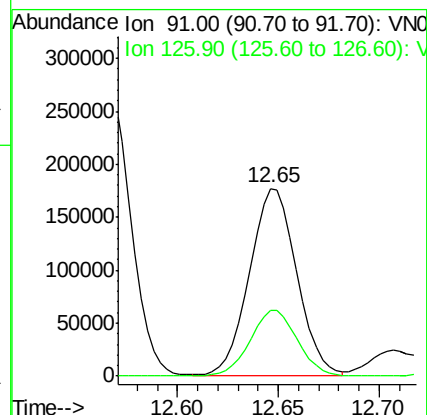
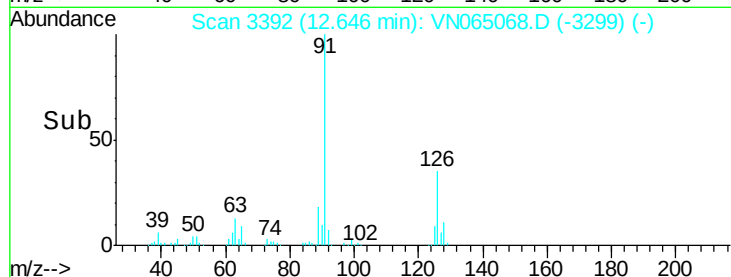
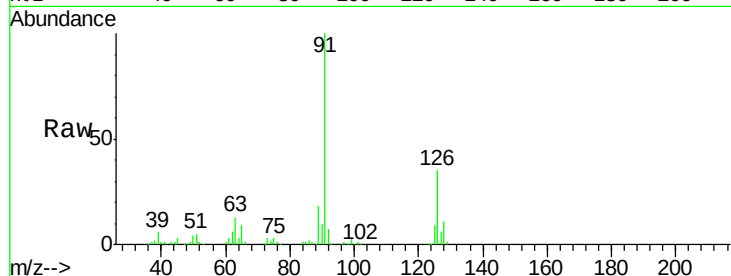
126 35.1 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 49.516 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN065068.D

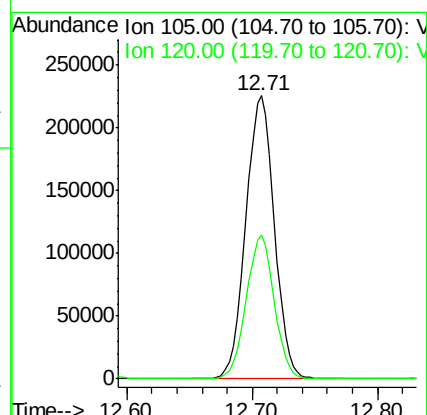
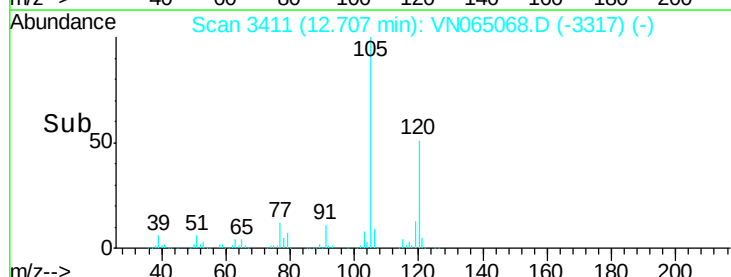
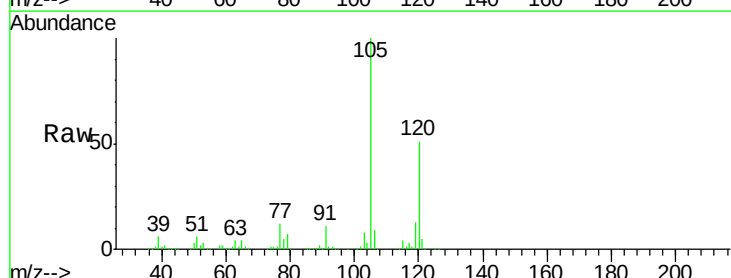
Acq: 11 Dec 2020 4:36

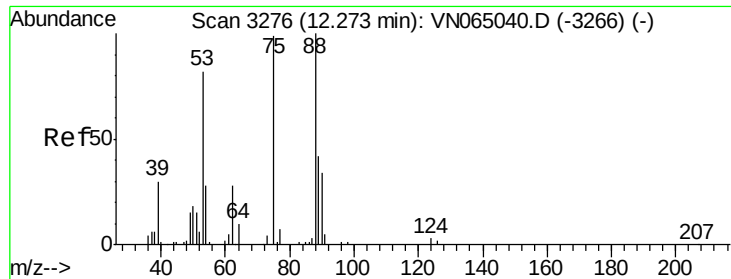
Tgt Ion: 105 Resp: 357096

Ion Ratio Lower Upper

105 100

120 49.9 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 53.309 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 47019

Ion Ratio Lower Upper

75 100

53 85.6 68.6 103.0

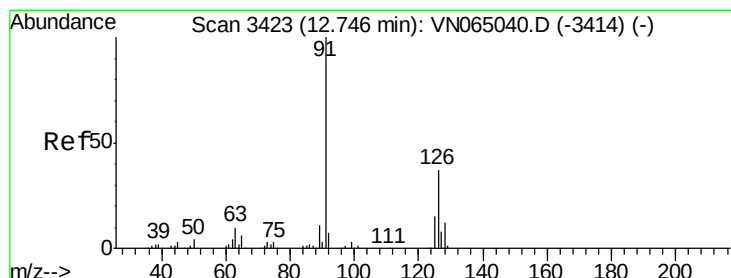
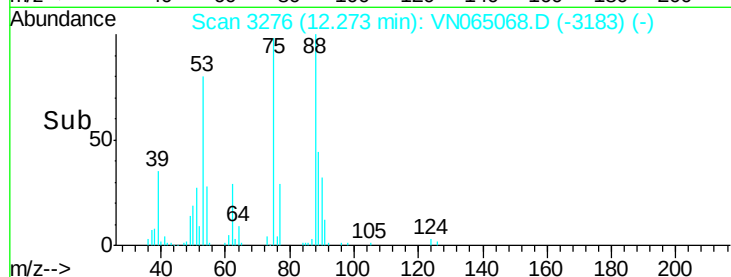
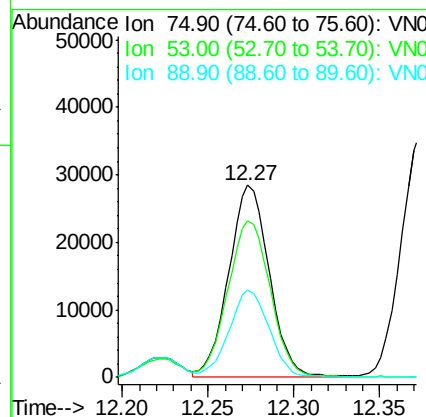
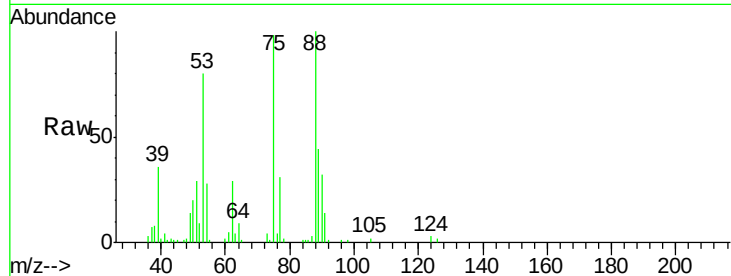
89 45.0 36.2 54.4

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#82

4-Chlorotoluene

Concen: 48.464 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN065068.D

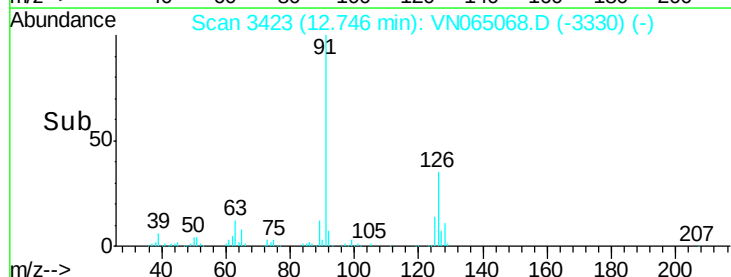
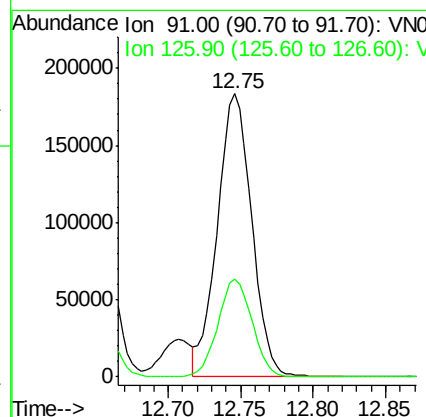
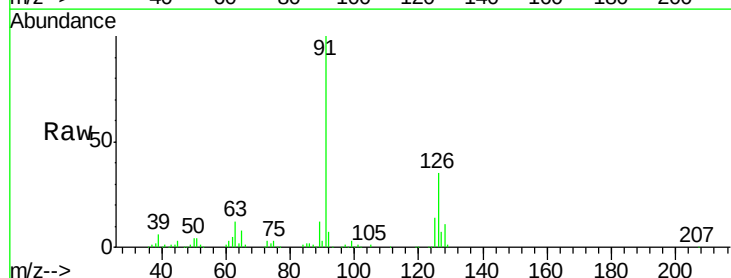
Acq: 11 Dec 2020 4:36

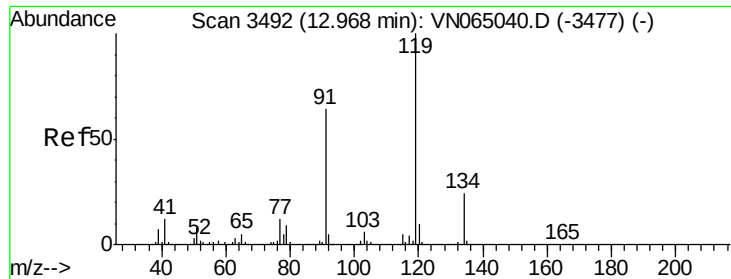
Tgt Ion: 91 Resp: 302009

Ion Ratio Lower Upper

91 100

126 34.6 17.3 52.0





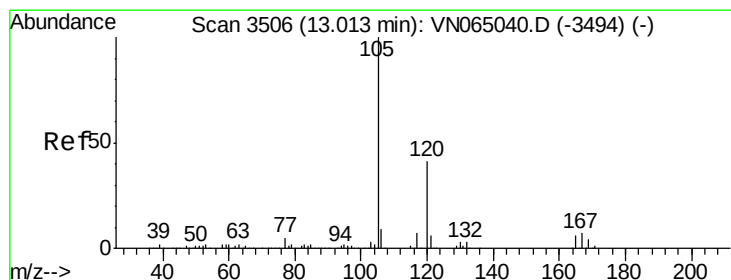
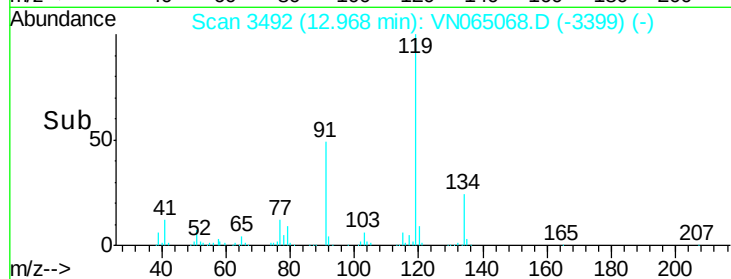
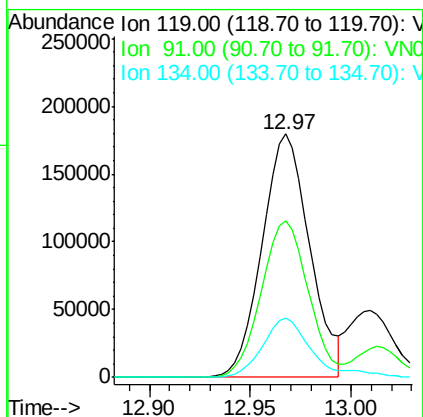
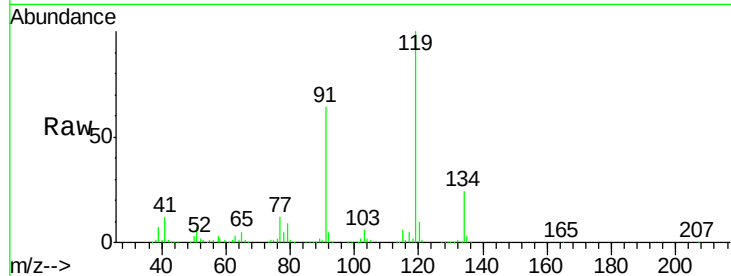
#83
 tert-Butylbenzene
 Concen: 49.597 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	295218		
91	63.3		31.1	93.5
134	25.2		12.6	37.6

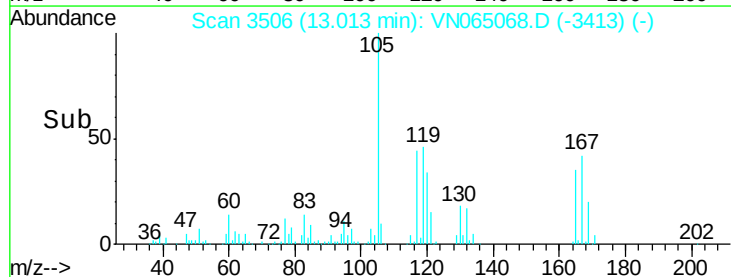
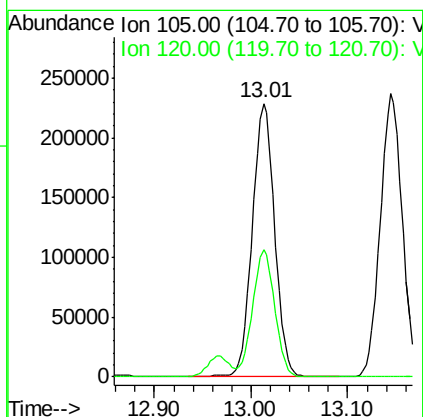
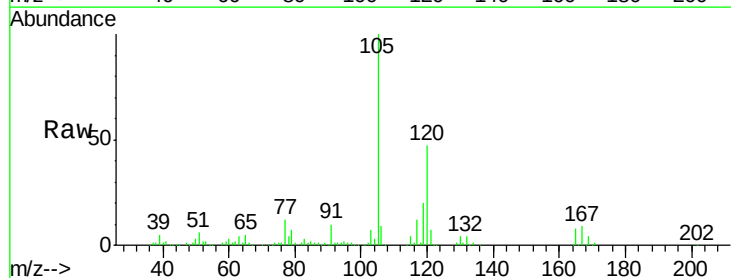
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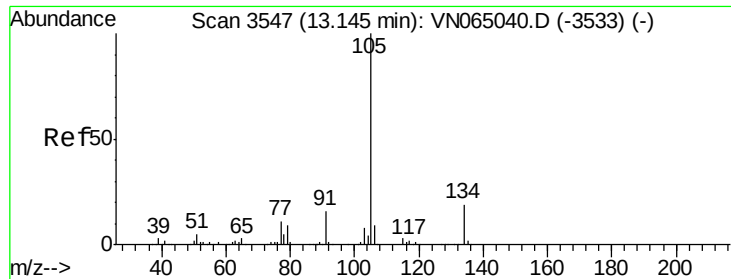
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.530 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	367899		
120	46.2		23.1	69.2





#85

sec-Butylbenzene

Concen: 48.314 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 374757

Ion Ratio Lower Upper

105 100

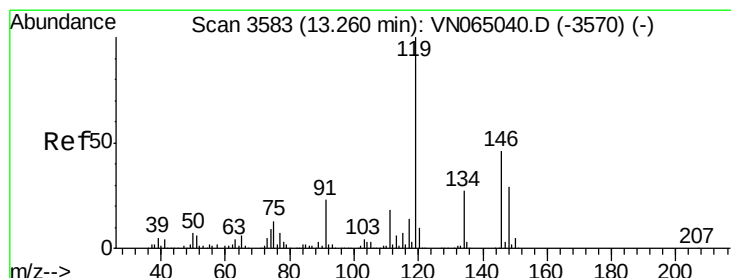
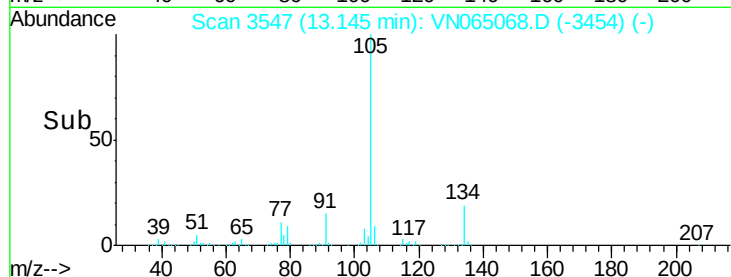
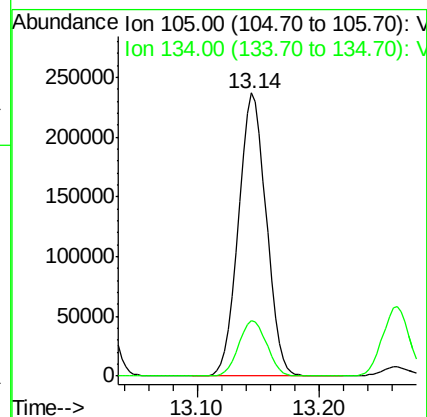
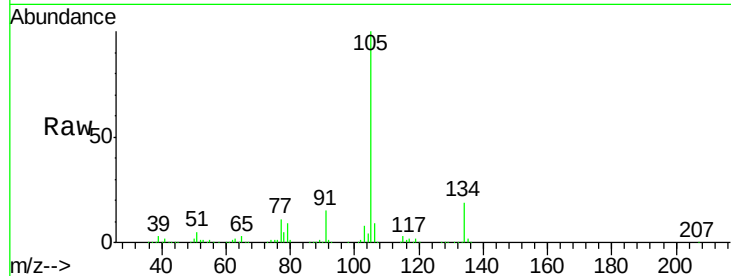
134 19.8 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 48.854 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

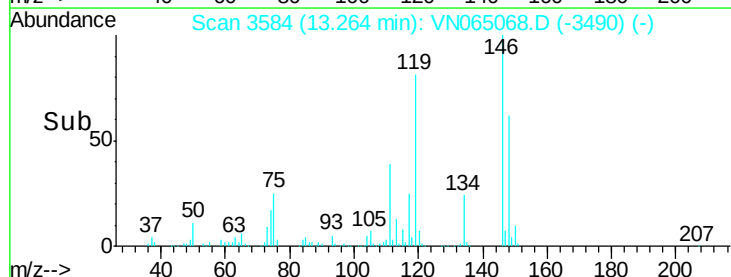
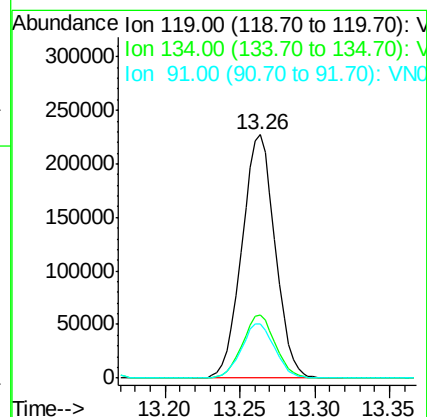
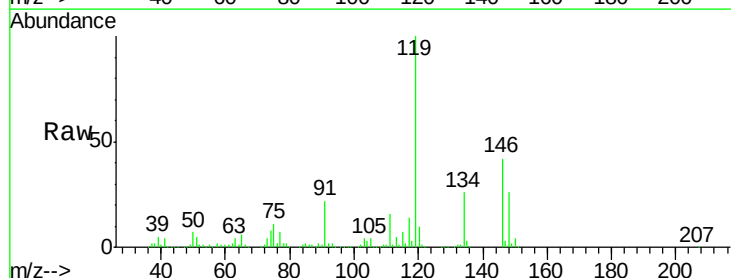
Tgt Ion:119 Resp: 349178

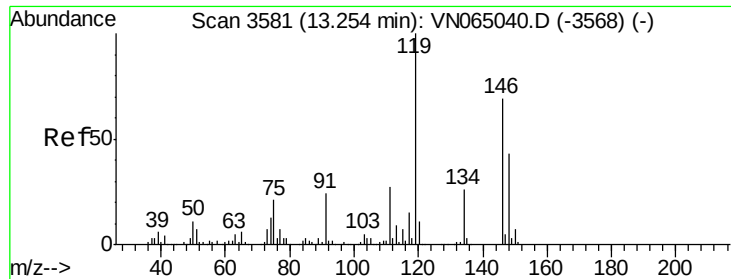
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 22.3 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 49.200 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

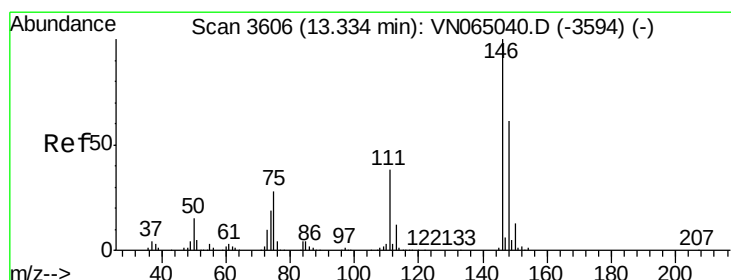
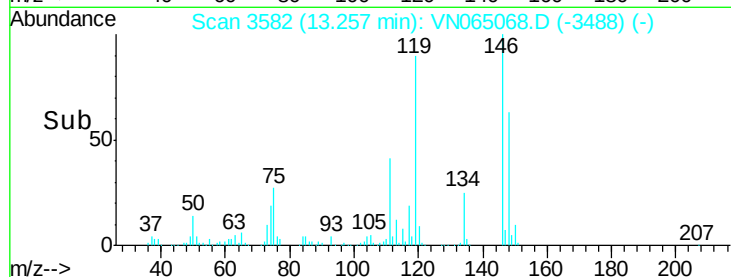
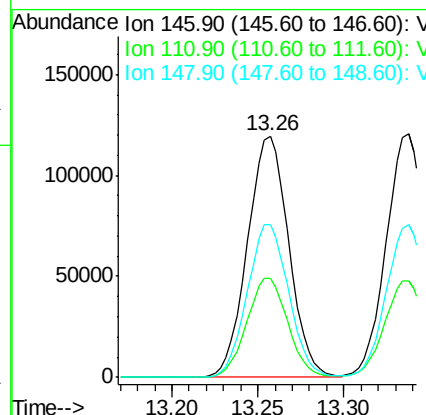
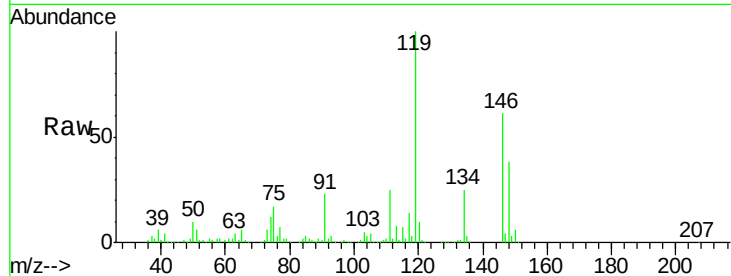
Instrument :
MSVOA_N

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199256		
111	40.8	20.0	59.9	
148	63.3	31.6	94.7	

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#88

1,4-Dichlorobenzene

Concen: 48.213 ug/l

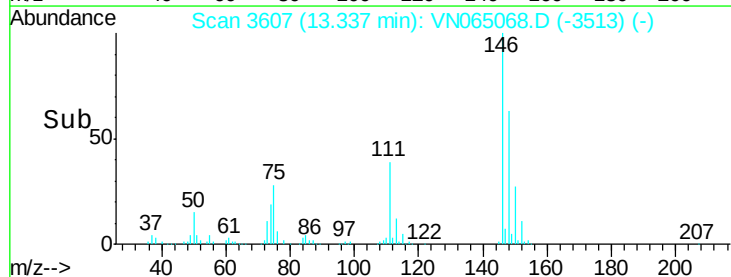
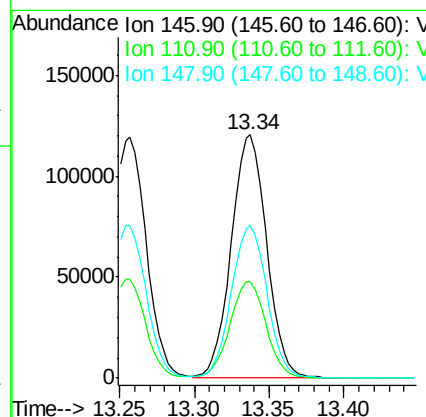
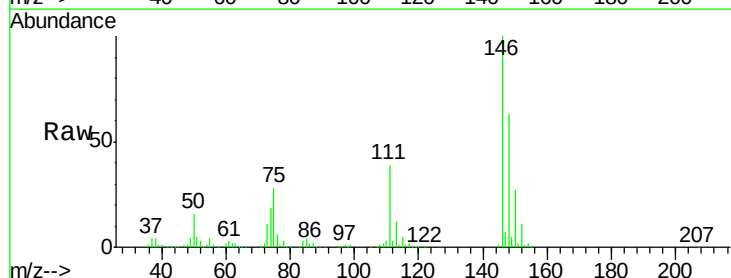
RT: 13.34 min Scan# 3607

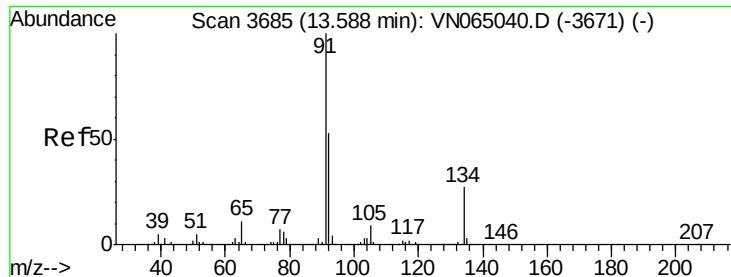
Delta R.T. 0.00 min

Lab File: VN065068.D

Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	197987		
111	40.4	19.2	57.6	
148	63.0	31.1	93.3	





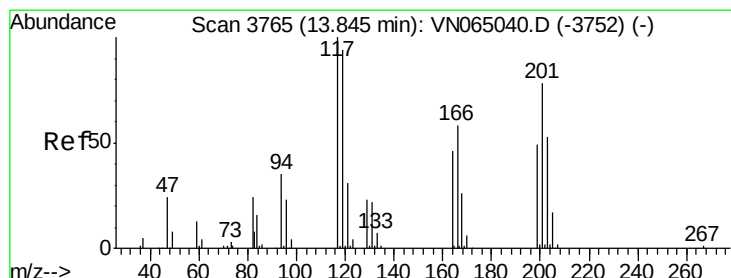
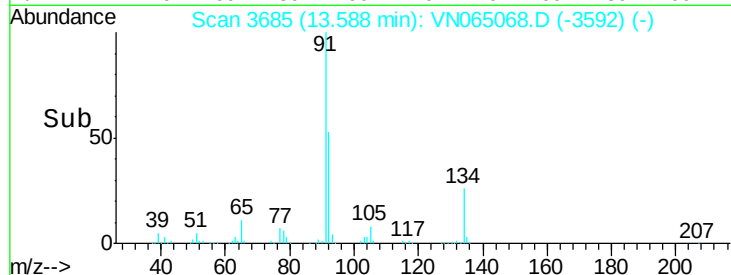
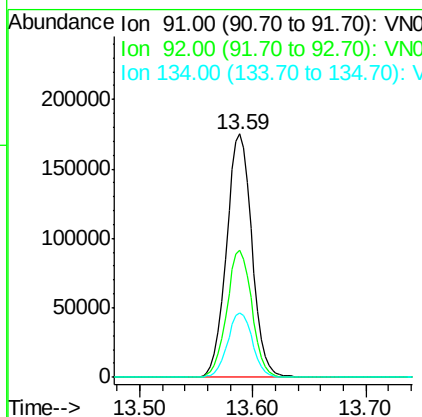
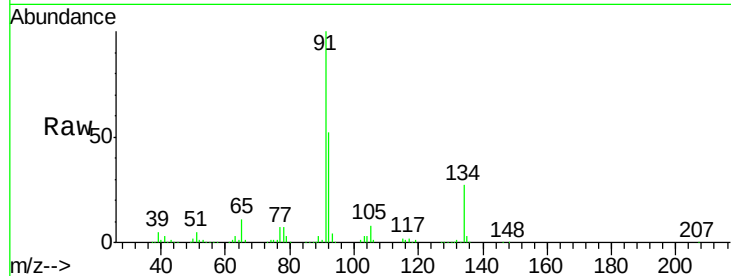
#89
n-Butylbenzene
Concen: 46.710 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.8
134	26.0	13.2	39.6

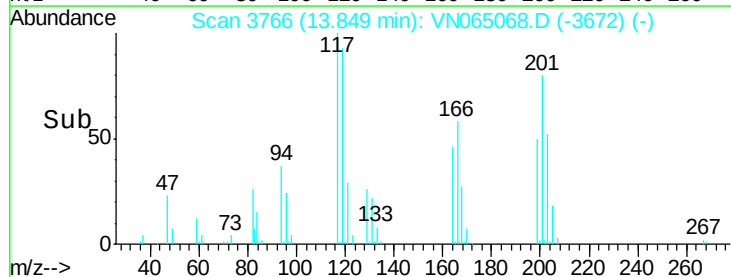
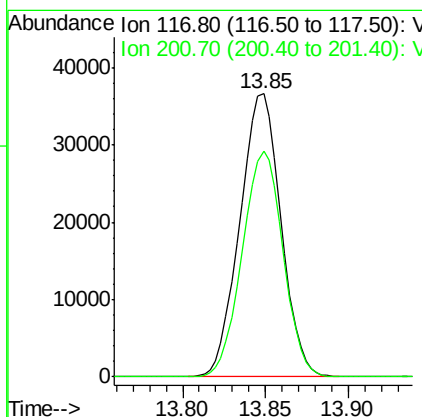
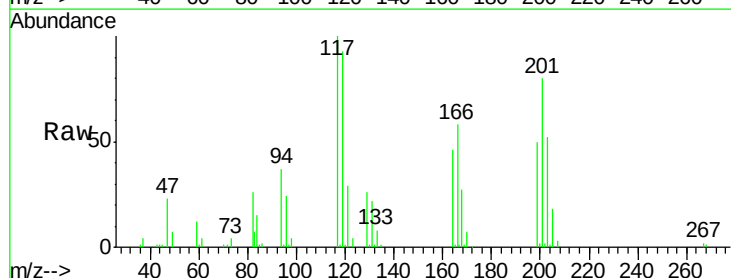
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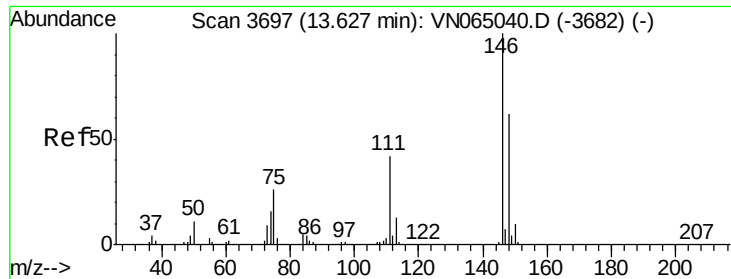
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#90
Hexachloroethane
Concen: 48.732 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	39.5	118.3





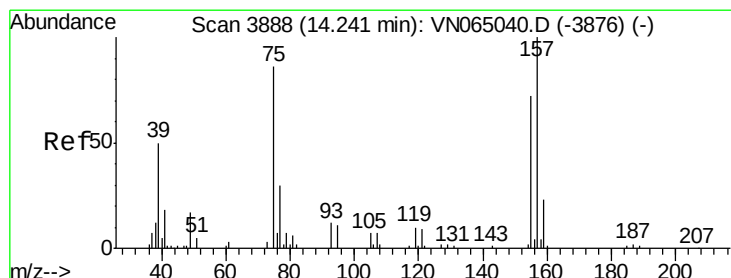
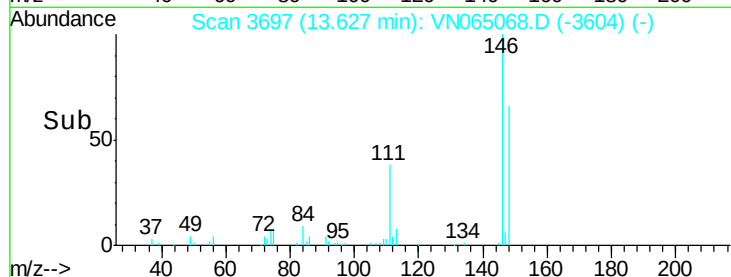
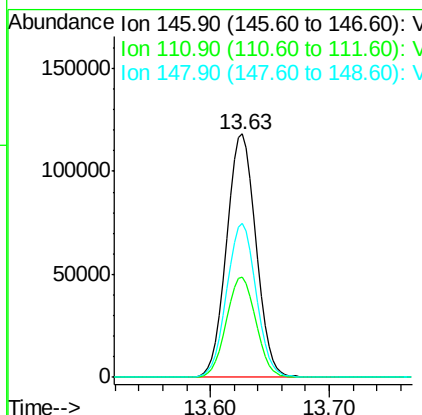
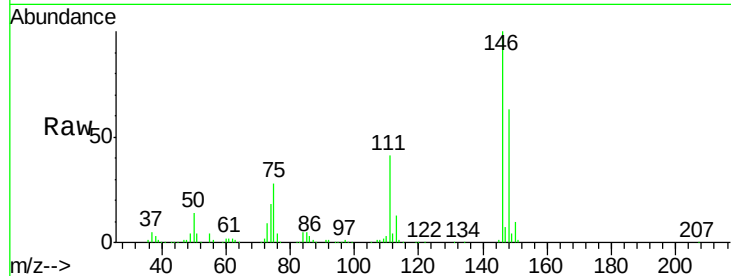
#91
 1,2-Dichlorobenzene
 Concen: 50.474 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203467		
111	41.2	21.1	63.1	
148	63.4	31.7	95.1	

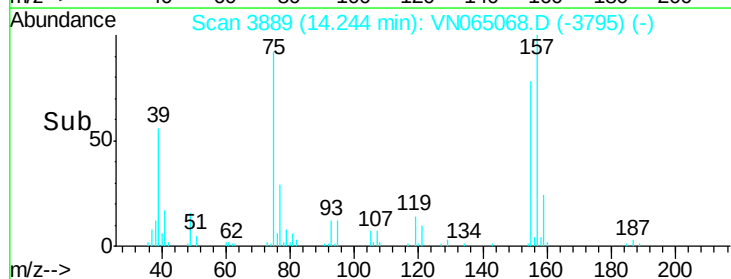
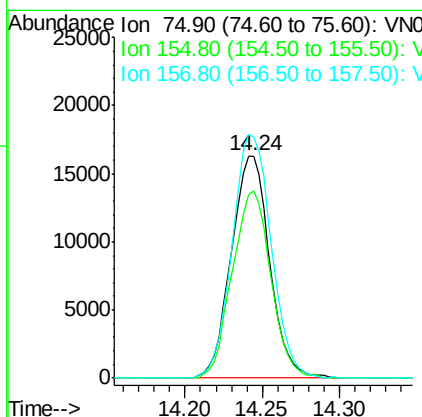
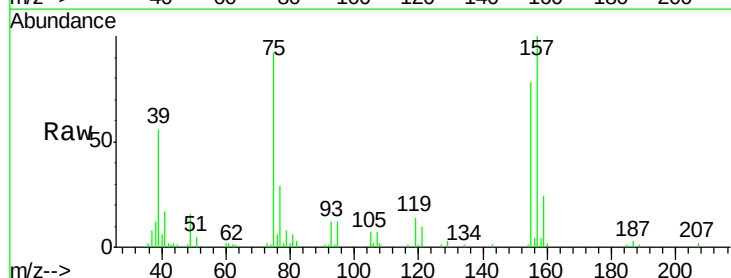
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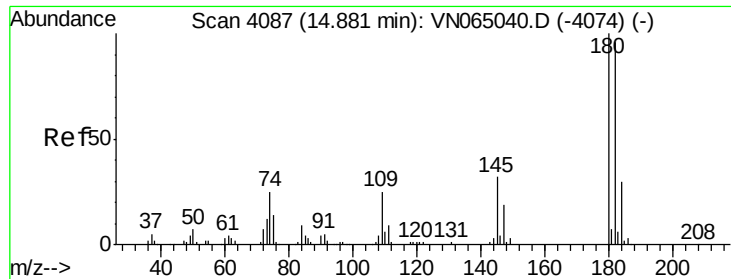
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.935 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28037		
155	84.6	43.8	131.4	
157	111.8	58.1	174.3	





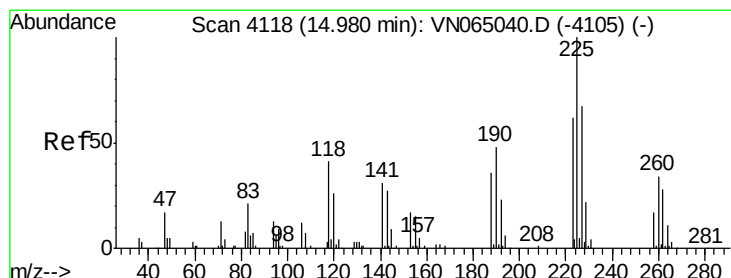
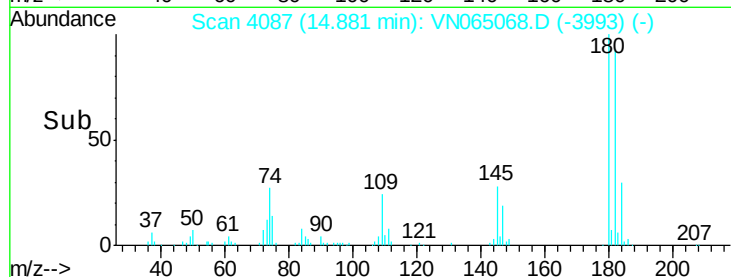
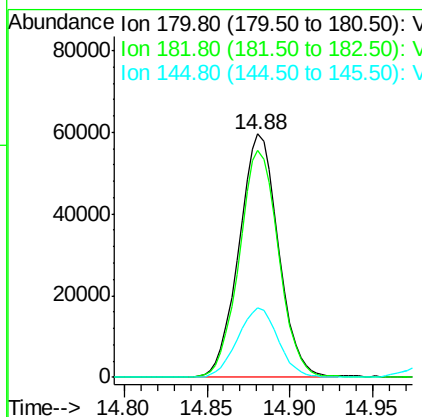
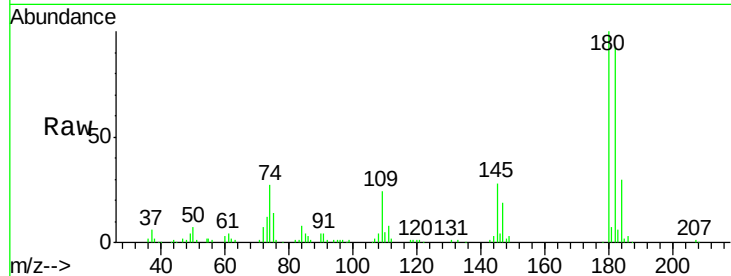
#93
 1,2,4-Trichlorobenzene
 Concen: 46.121 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.4	47.0	141.2	
145	29.3	15.4	46.4	

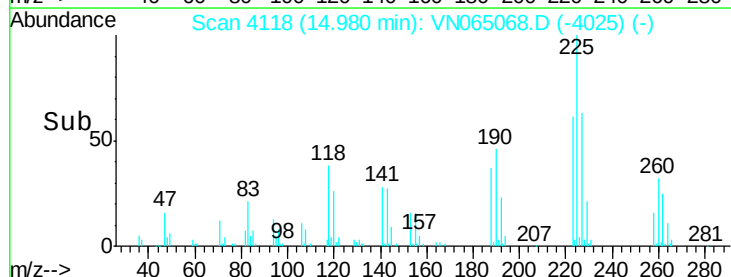
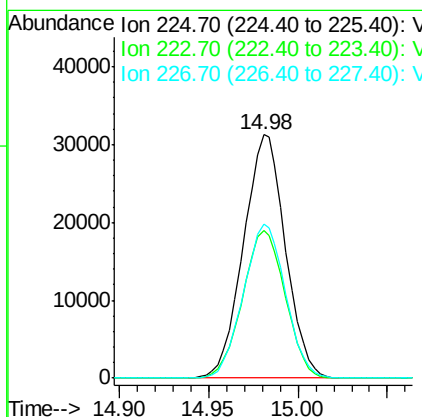
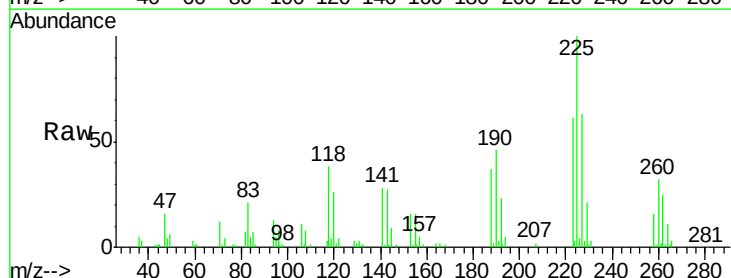
Manual Integrations
 APPROVED

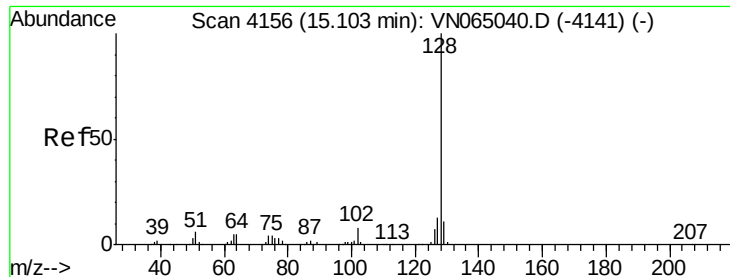
MMDadoda
 12/11/2020 12:33:13 PM



#94
 Hexachlorobutadiene
 Concen: 46.237 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN065068.D
 Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.4	94.0	
227	63.3	32.3	96.8	





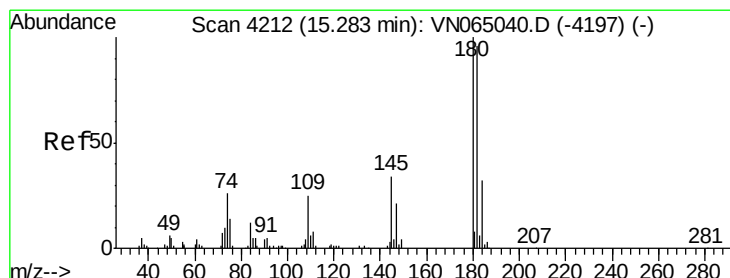
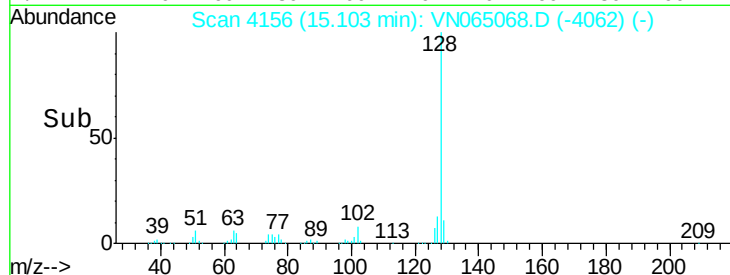
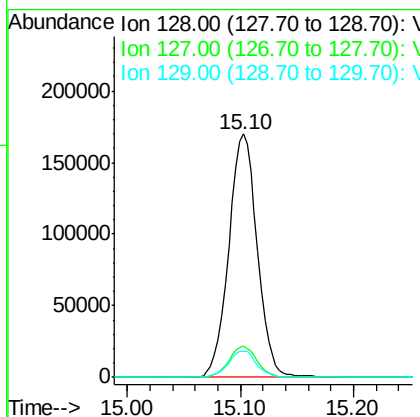
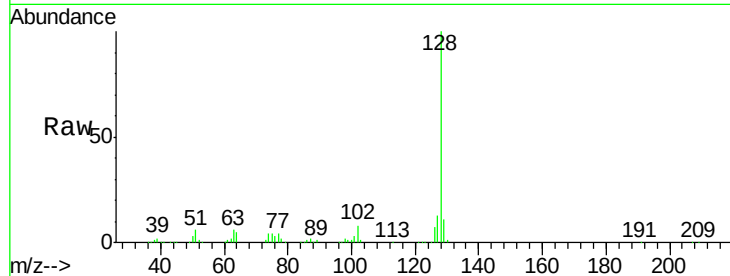
#95
Naphthalene
Concen: 46.837 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	297870		
127	12.7		10.2	15.2
129	10.6		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
12/11/2020 12:33:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.935 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN065068.D
Acq: 11 Dec 2020 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92420		
182	96.0		48.3	144.9
145	31.9		16.2	48.6

