

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065050.D
 Acq On : 10 Dec 2020 18:31
 Operator : JC/MD
 Sample : VN1210WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:44 PM

Quant Time: Dec 11 04:04:15 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	7.62	168	199539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	308390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	280481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134666	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	112788	47.48	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.96%
35) Dibromofluoromethane	7.55	113	98244	48.15	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.30%
50) Toluene-d8	10.06	98	374428	47.84	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.68%
62) 4-Bromofluorobenzene	12.38	95	128701	47.97	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.94%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	23605	18.504	ug/l	94
3) Chloromethane	2.04	50	31193	17.934	ug/l	98
4) Vinyl Chloride	2.17	62	33985	18.291	ug/l	96
5) Bromomethane	2.53	94	23371	18.033	ug/l	92
6) Chloroethane	2.67	64	22744	17.892	ug/l	96
7) Trichlorofluoromethane	2.99	101	52431	17.774	ug/l	95
8) Diethyl Ether	3.38	74	21307	18.190	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32632	17.759	ug/l	99
10) Methyl Iodide	3.91	142	37475	16.857	ug/l	98
11) Tert butyl alcohol	4.74	59	26549	92.263	ug/l #	84
12) 1,1-Dichloroethene	3.69	96	29725	17.278	ug/l	98
13) Acrolein	3.57	56	20253	87.029	ug/l	99
14) Allyl chloride	4.28	41	47481	17.030	ug/l	95
15) Acrylonitrile	4.94	53	81722	90.354	ug/l	99
16) Acetone	3.78	43	71183	84.477	ug/l	100
17) Carbon Disulfide	4.01	76	68373	17.954	ug/l	100
18) Methyl Acetate	4.28	43	40911	19.266	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	104400	18.002	ug/l	95
20) Methylene Chloride	4.51	84	37742	17.582	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	32976	17.556	ug/l	98
22) Diisopropyl ether	5.90	45	111122	18.282	ug/l	95
23) Vinyl Acetate	5.85	43	420845	89.589	ug/l	100
24) 1,1-Dichloroethane	5.80	63	64442	17.899	ug/l	98
25) 2-Butanone	6.79	43	101461	87.314	ug/l	97
26) 2,2-Dichloropropane	6.78	77	54636	17.710	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	40326	17.781	ug/l	99
28) Bromochloromethane	7.15	49	30541	17.847	ug/l	100
29) Tetrahydrofuran	7.17	42	66073	90.575	ug/l	98
30) Chloroform	7.33	83	67564	18.157	ug/l	99
31) Cyclohexane	7.61	56	47408	18.681	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	56279	17.657	ug/l	97
36) 1,1-Dichloropropene	7.75	75	46662	17.740	ug/l	99
37) Ethyl Acetate	6.88	43	42914	17.943	ug/l #	80
38) Carbon Tetrachloride	7.73	117	50828	18.188	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	43996	17.019	ug/l	99
40) Benzene	8.00	78	147441	18.098	ug/l	98
41) Methacrylonitrile	7.13	41	21626	17.402	ug/l	96
42) 1,2-Dichloroethane	8.09	62	51114	18.503	ug/l	99
43) Isopropyl Acetate	8.13	43	70835	17.818	ug/l	98
44) Trichloroethene	8.80	130	41226	18.118	ug/l	99
45) 1,2-Dichloropropane	9.08	63	40265	18.271	ug/l	96
46) Dibromomethane	9.17	93	26283	18.410	ug/l	98
47) Bromodichloromethane	9.37	83	53268	18.216	ug/l	98
48) Methyl methacrylate	9.17	41	35161	18.631	ug/l	97
49) 1,4-Dioxane	9.17	88	12257	359.703	ug/l #	95
51) 4-Methyl-2-Pentanone	9.95	43	222382	93.566	ug/l	98
52) Toluene	10.12	92	94402	18.491	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	55767	17.894	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	61896	17.756	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	38023	17.988	ug/l	98
56) Ethyl methacrylate	10.40	69	49027	17.564	ug/l	96
57) 1,3-Dichloropropane	10.68	76	64325	18.497	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.66	63	136029	91.449	ug/l	100
59) 2-Hexanone	10.72	43	153914	89.888	ug/l	97
60) Dibromochloromethane	10.87	129	42974	17.869	ug/l	99
61) 1,2-Dibromoethane	10.98	107	37312	17.634	ug/l	95
64) Tetrachloroethene	10.60	164	42824	17.969	ug/l	98
65) Chlorobenzene	11.41	112	103797	18.068	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	39833	18.038	ug/l	99
67) Ethyl Benzene	11.48	91	165769	17.295	ug/l	99
68) m/p-Xylenes	11.59	106	130643	35.169	ug/l	97
69) o-Xylene	11.92	106	62808	17.716	ug/l	98
70) Styrene	11.94	104	105430	17.583	ug/l	99
71) Bromoform	12.10	173	29535	17.609	ug/l #	99
73) Isopropylbenzene	12.22	105	163039	18.207	ug/l	99
74) N-amyl acetate	12.05	43	58799	18.229	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	50961	18.737	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	50722m	19.336	ug/l	
77) Bromobenzene	12.50	156	44159	18.544	ug/l	99
78) n-propylbenzene	12.56	91	181676	17.986	ug/l	99
79) 2-Chlorotoluene	12.65	91	113536	18.377	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	139677	18.536	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	16337	17.727	ug/l	94
82) 4-Chlorotoluene	12.75	91	119544	18.359	ug/l	100
83) tert-Butylbenzene	12.97	119	114595	18.425	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	139937	18.394	ug/l	100
85) sec-Butylbenzene	13.14	105	145540	17.957	ug/l	99
86) p-Isopropyltoluene	13.26	119	133487	17.874	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	76052	17.972	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	76582	17.847	ug/l	97
89) n-Butylbenzene	13.59	91	104670	17.054	ug/l	99
90) Hexachloroethane	13.85	117	24638	18.200	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	75999	18.043	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	9286	17.413	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	33819	18.696	ug/l	94
94) Hexachlorobutadiene	14.98	225	21060	18.109	ug/l	97
95) Naphthalene	15.10	128	96307	18.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	32266	18.747	ug/l	98

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

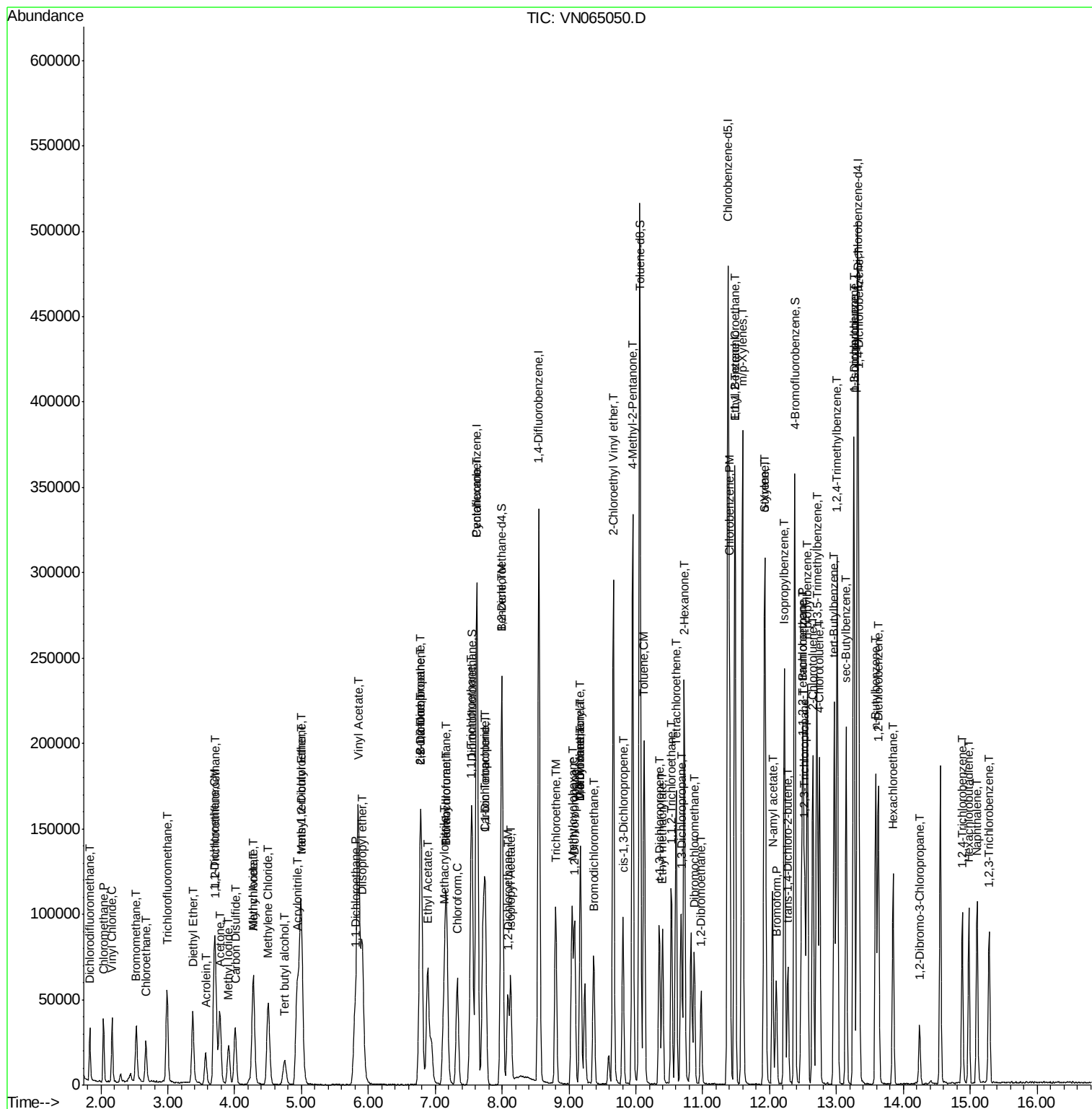
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
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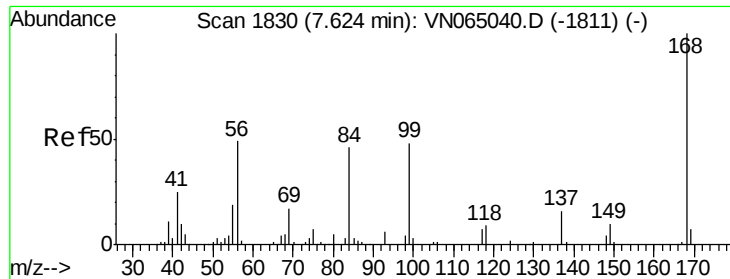
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:168 Resp: 199539

Ion Ratio Lower Upper

168 100

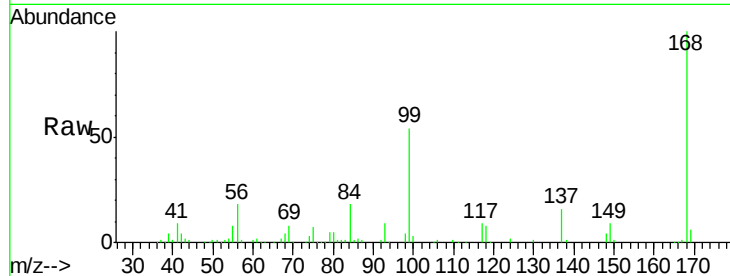
99 53.6 44.0 66.0

Manual Integrations

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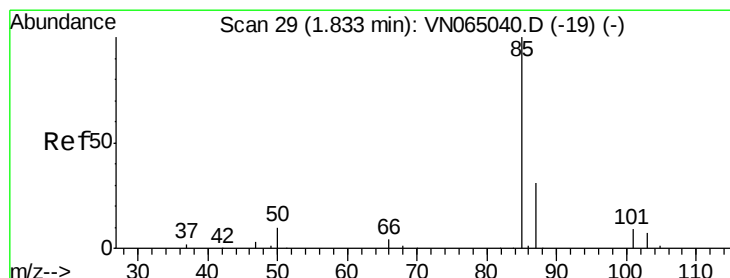
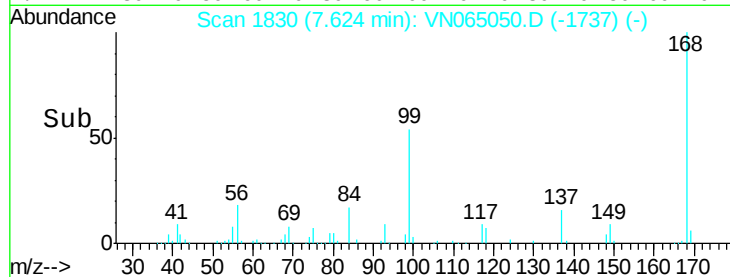
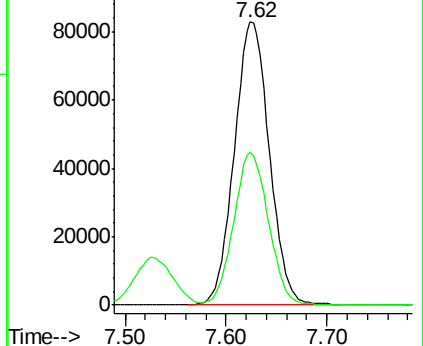
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.504 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN065050.D

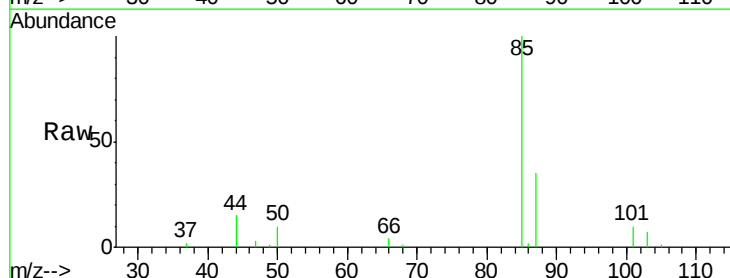
Acq: 10 Dec 2020 18:31

Tgt Ion: 85 Resp: 23605

Ion Ratio Lower Upper

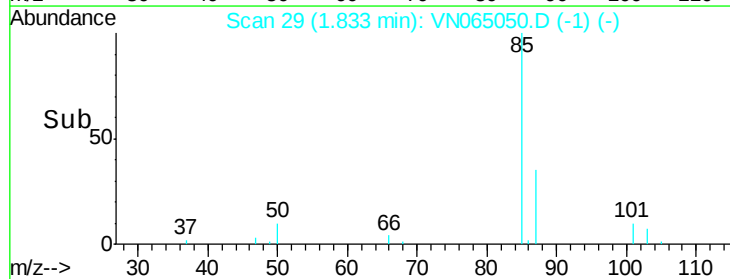
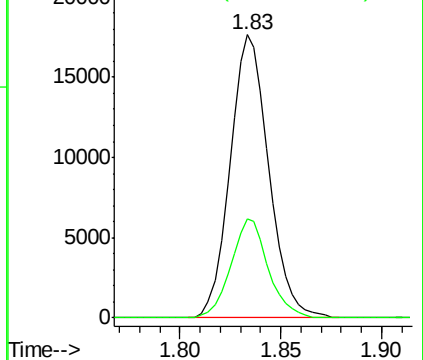
85 100

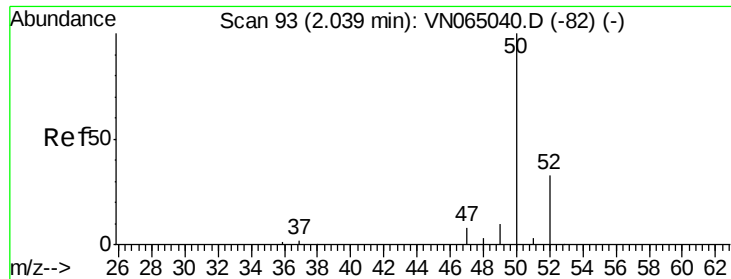
87 34.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.934 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 50 Resp: 31193

Ion Ratio Lower Upper

50 100

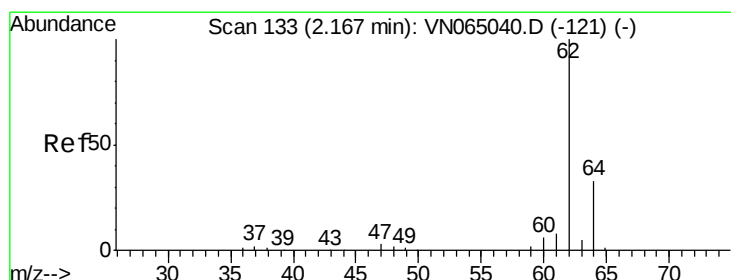
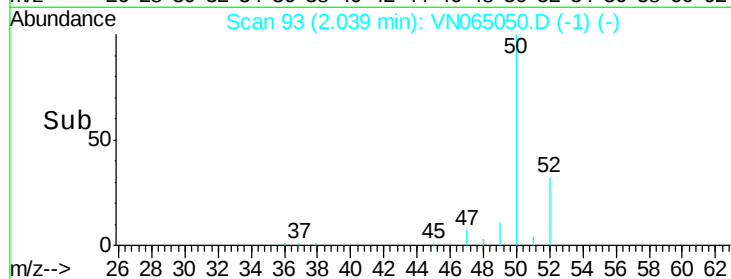
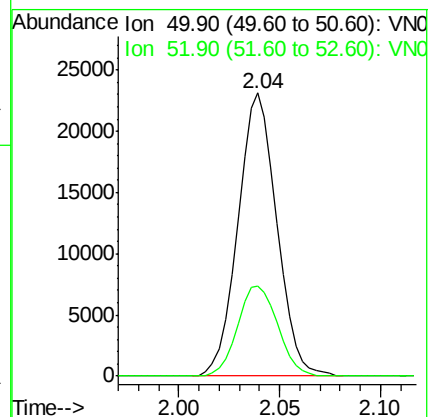
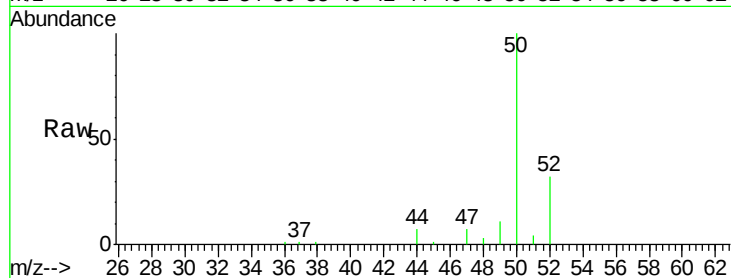
52 32.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.291 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN065050.D

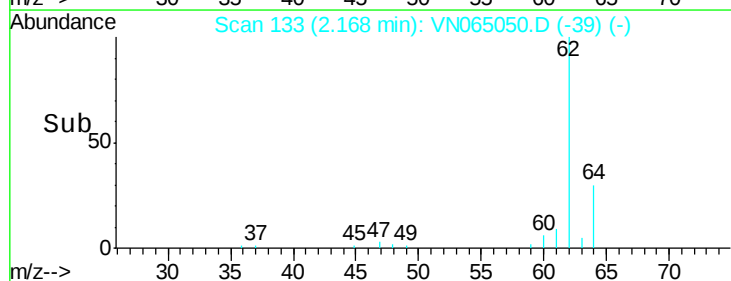
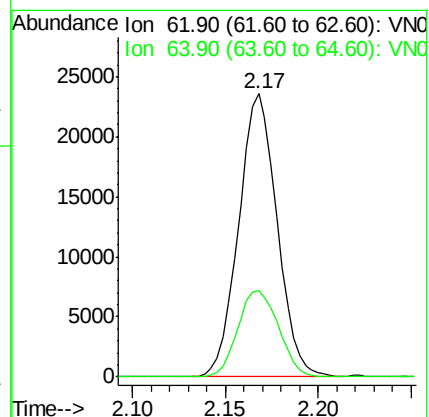
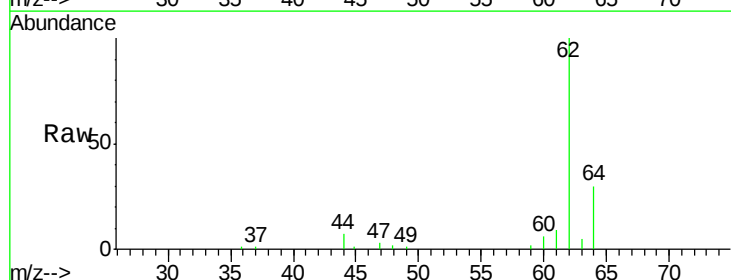
Acq: 10 Dec 2020 18:31

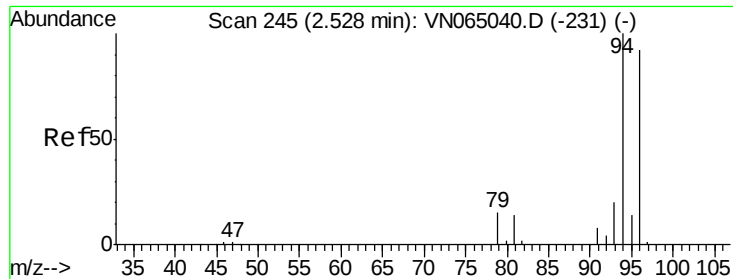
Tgt Ion: 62 Resp: 33985

Ion Ratio Lower Upper

62 100

64 30.4 26.1 39.1





#5

Bromomethane

Concen: 18.033 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

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Tot Ion: 94 Resp: 23371

Ion Ratio Lower Upper

94 100

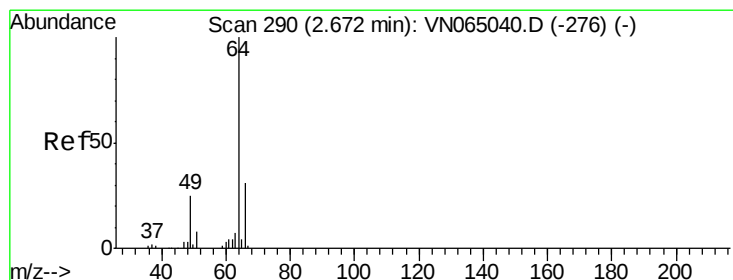
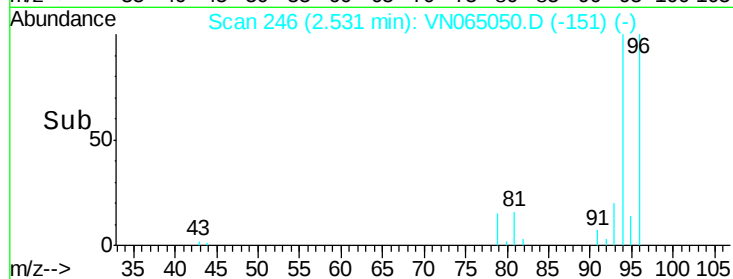
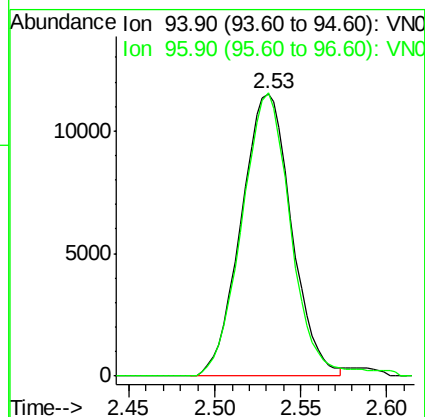
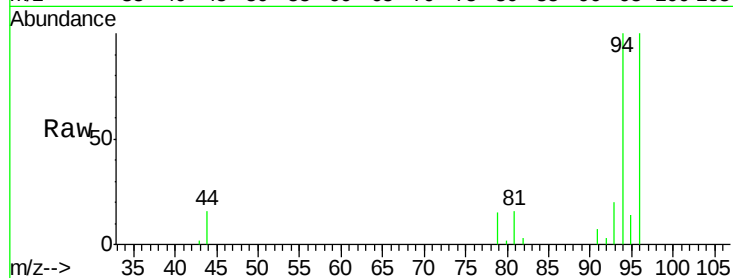
96 100.3 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 17.892 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN065050.D

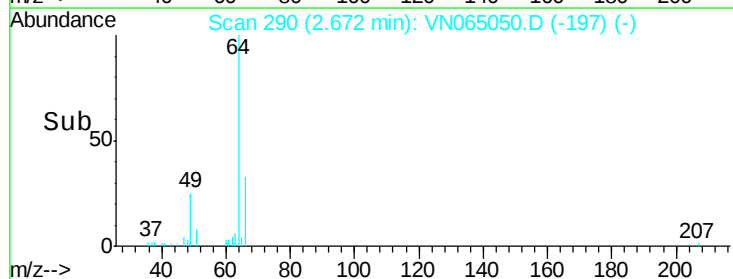
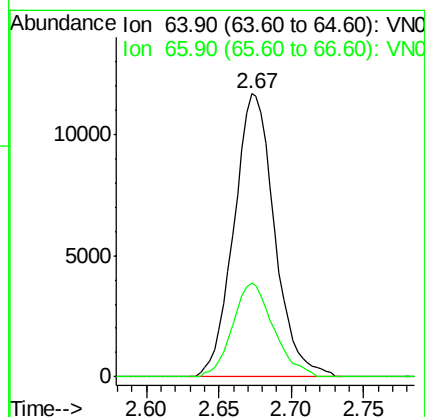
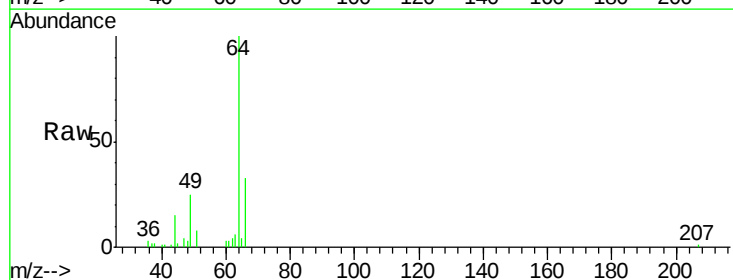
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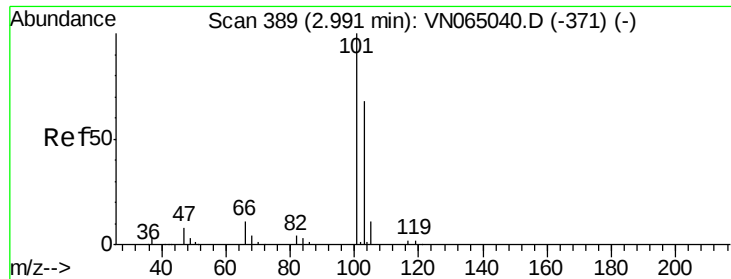
Tgt Ion: 64 Resp: 22744

Ion Ratio Lower Upper

64 100

66 33.2 24.6 37.0





#7

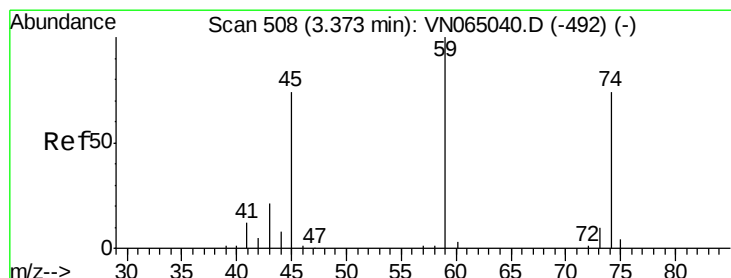
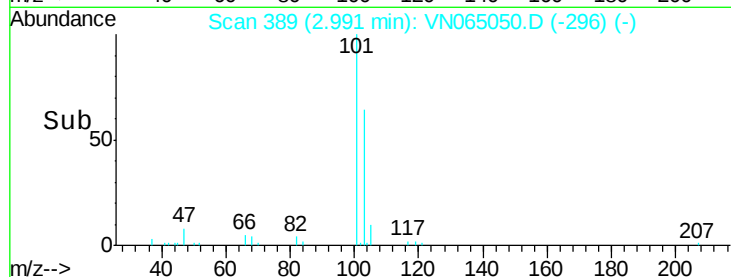
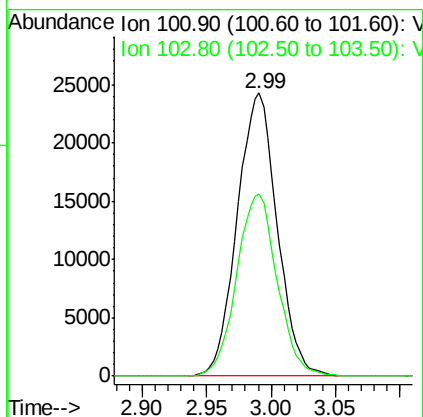
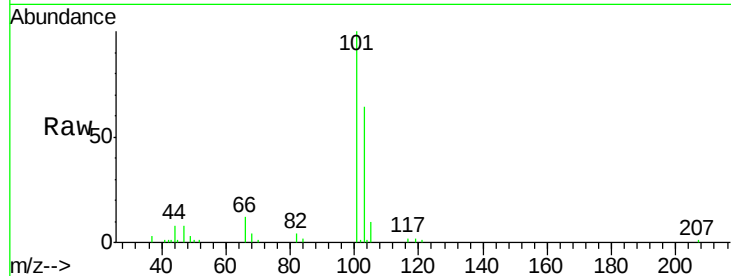
Trichlorofluoromethane
Concen: 17.774 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	54.5	81.7

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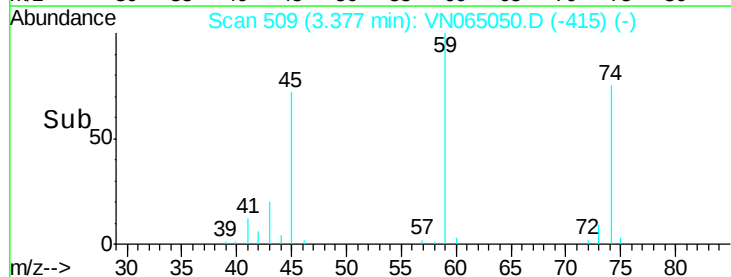
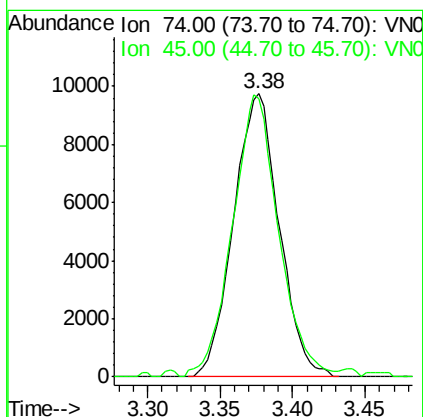
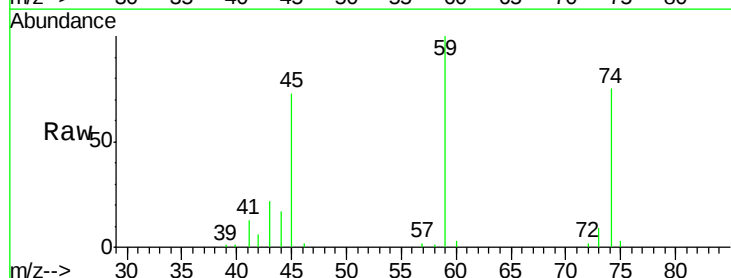
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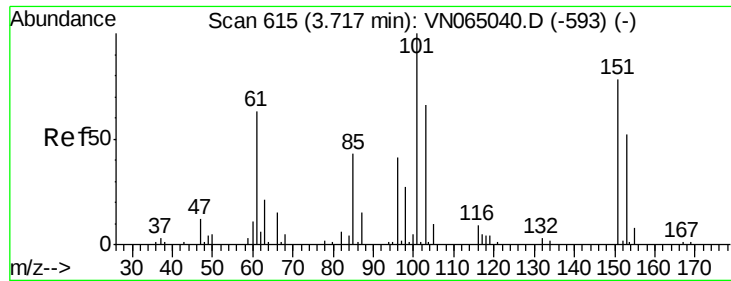


#8

Diethyl Ether
Concen: 18.190 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	49.1	147.3





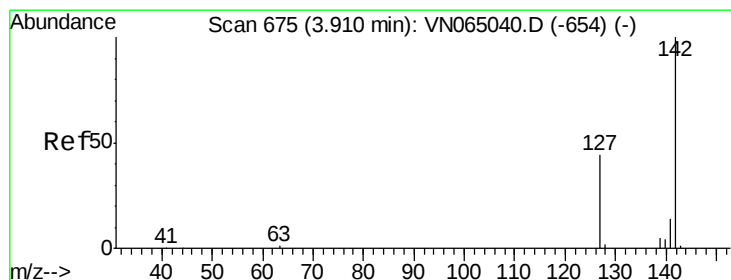
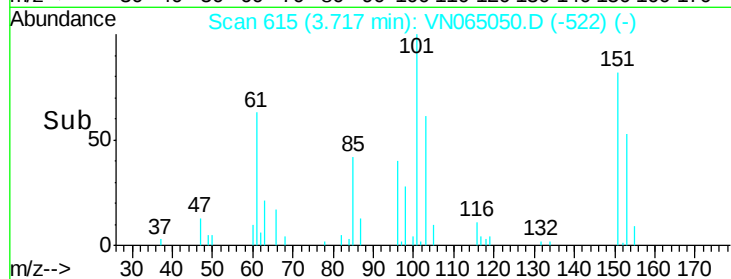
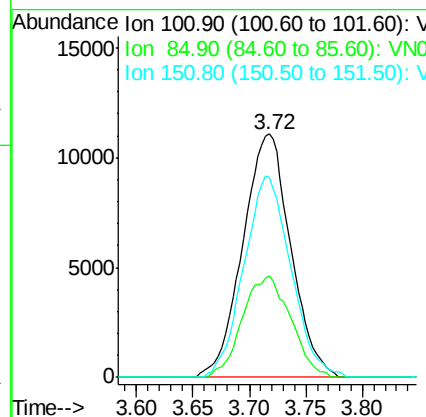
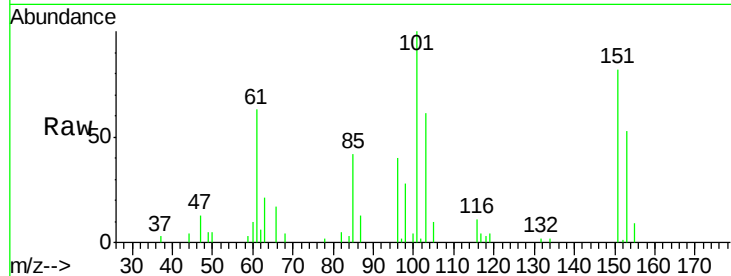
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.759 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.2	49.8
151	81.2	63.7	95.5

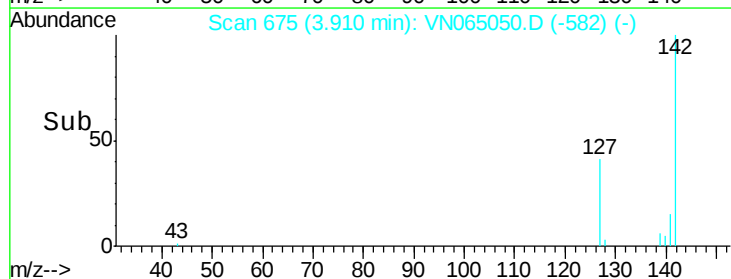
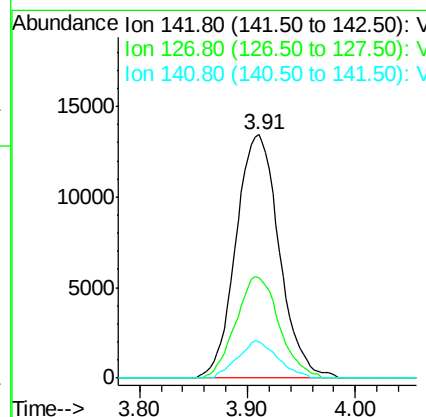
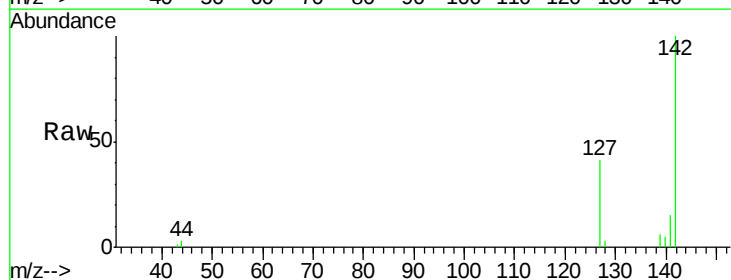
Manual Integrations
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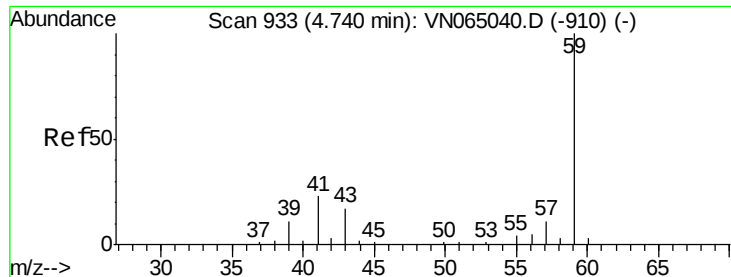
MMDadoda
 12/11/2020 12:32:44 PM



#10
 Methyl Iodide
 Concen: 16.857 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	34.6	52.0
141	14.2	10.9	16.3





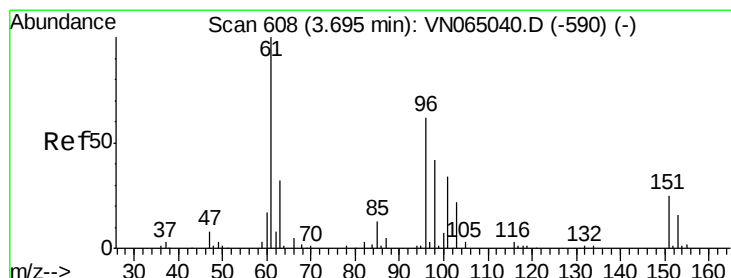
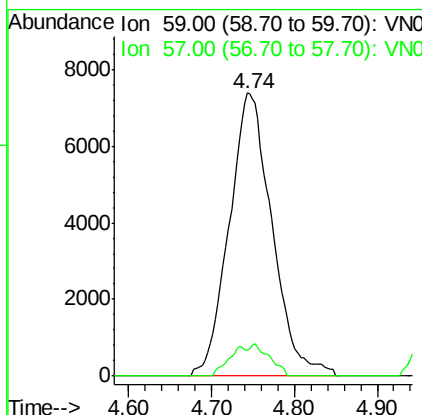
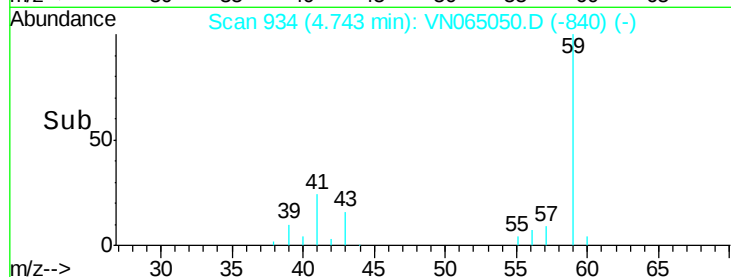
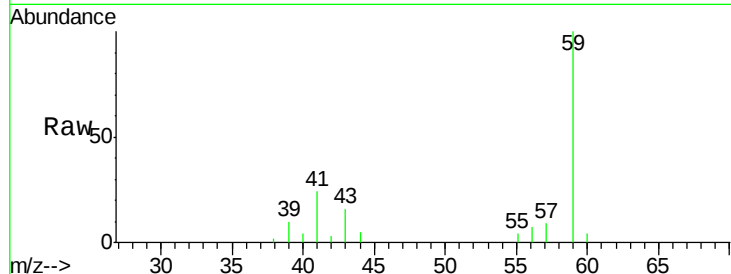
#11
Tert butyl alcohol
Concen: 92.263 ug/l
RT: 4.74 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.6	12.8#

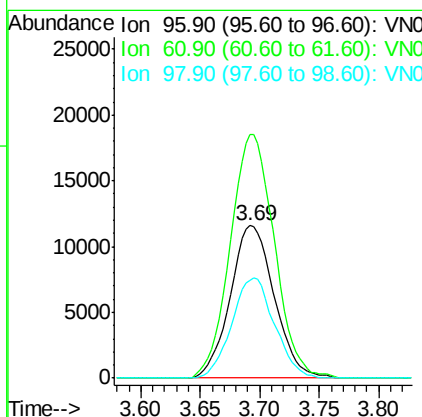
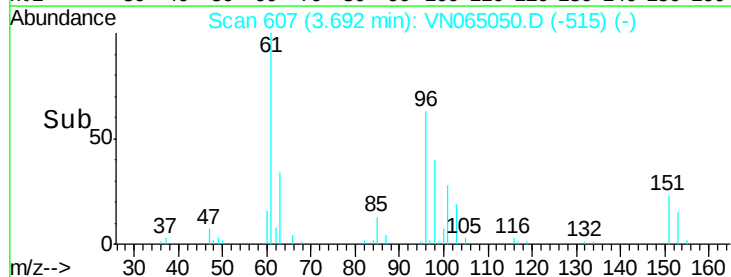
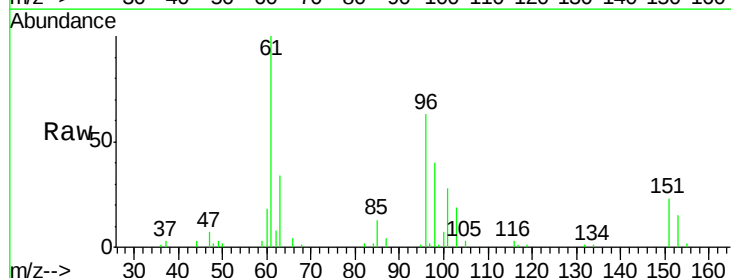
Manual Integrations
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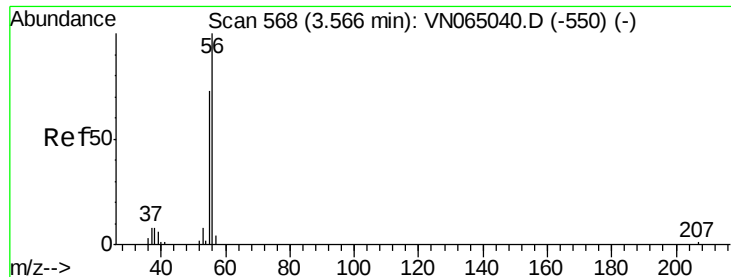
MMDadoda
12/11/2020 12:32:44 PM



#12
1,1-Dichloroethene
Concen: 17.278 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	128.4	192.6
98	63.8	53.6	80.4





#13

Acrolein

Concen: 87.029 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 56 Resp: 20253

Ion Ratio Lower Upper

56 100

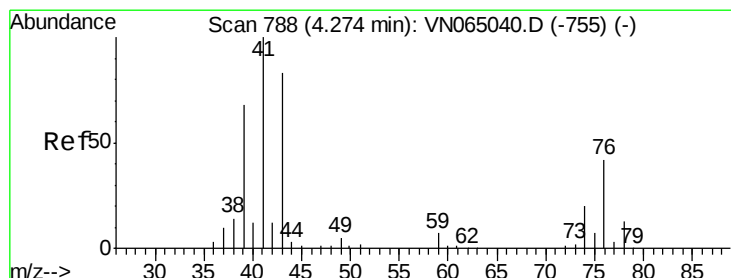
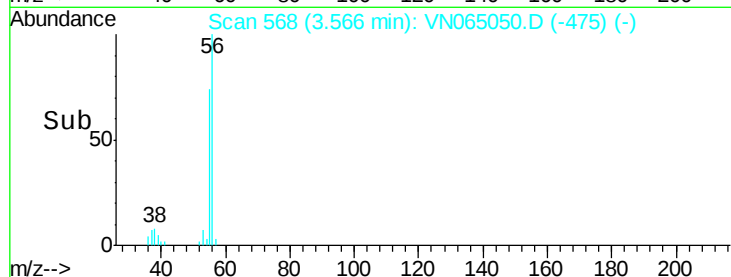
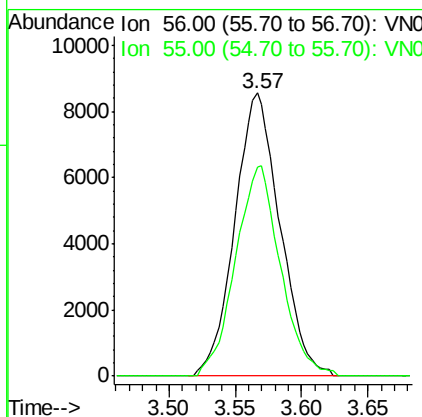
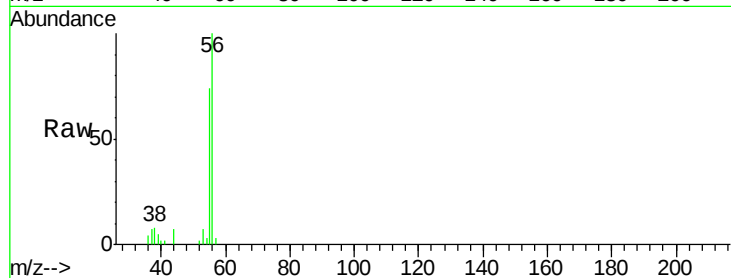
55 73.9 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.030 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

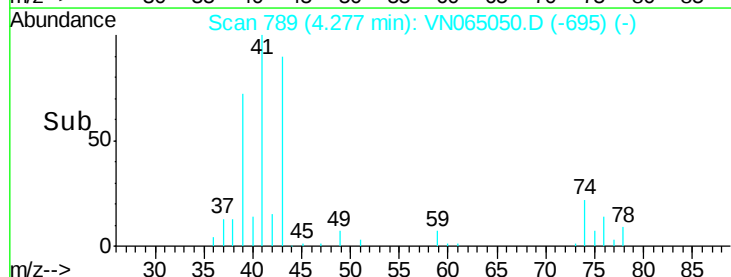
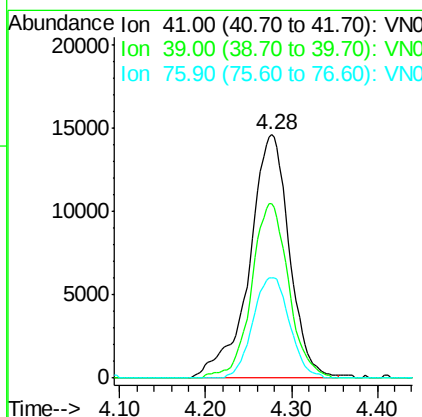
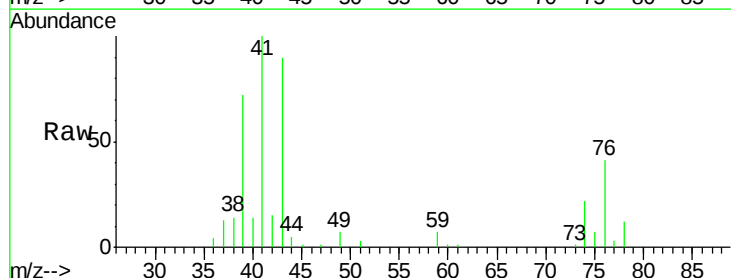
Tgt Ion: 41 Resp: 47481

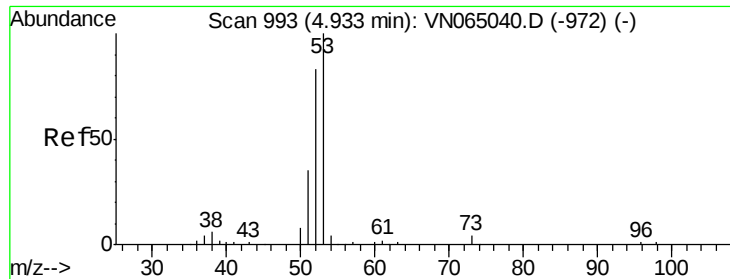
Ion Ratio Lower Upper

41 100

39 66.4 49.0 73.6

76 37.7 29.6 44.4





#15

Acrylonitrile

Concen: 90.354 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

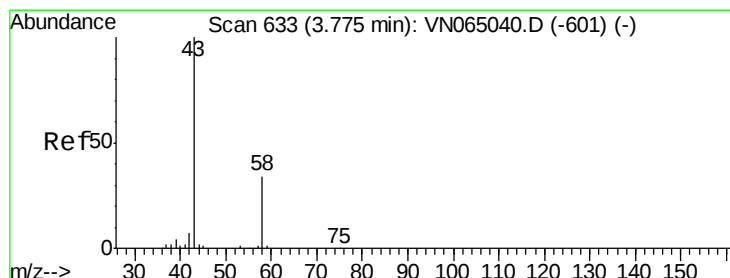
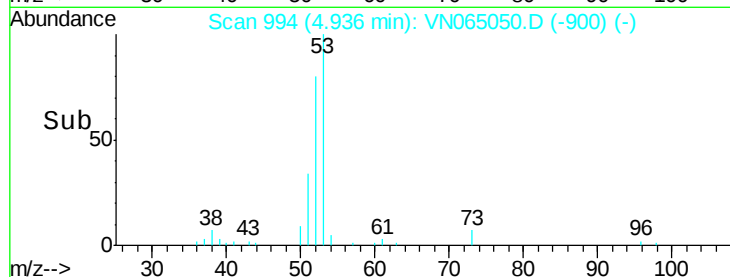
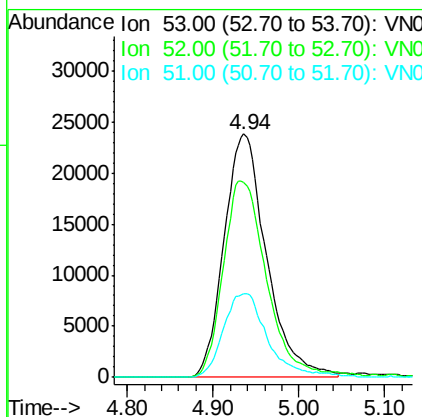
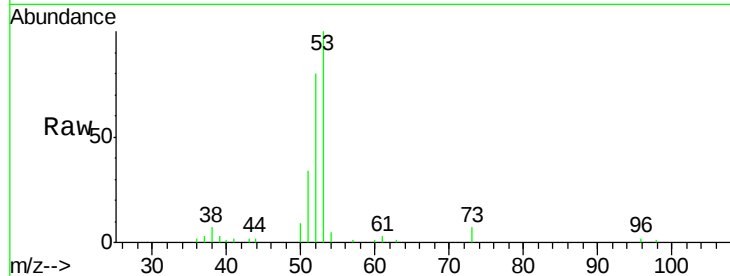
ClientSampleId :

VN1210WBS01

Tot Ion:	53	Resp:	81722
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.4	98.0
51	35.9	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 84.477 ug/l

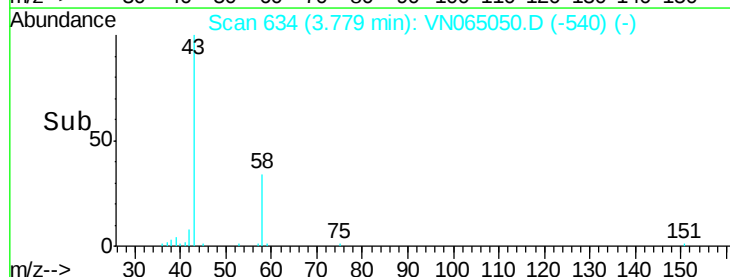
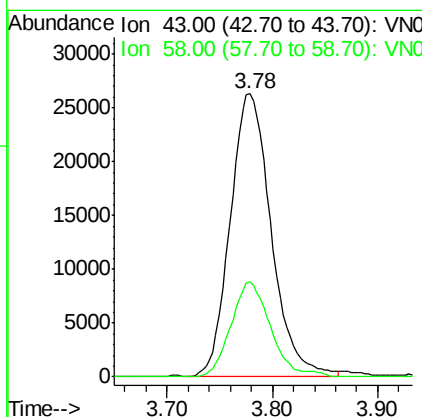
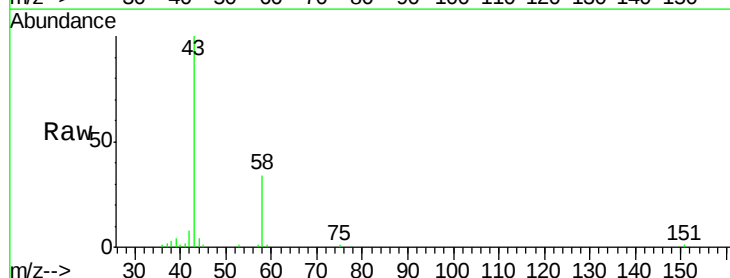
RT: 3.78 min Scan# 634

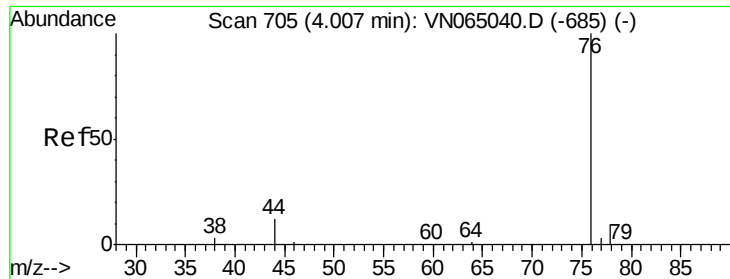
Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion:	43	Resp:	71183
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.8	40.2





#17

Carbon Disulfide

Concen: 17.954 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 76 Resp: 68373

Ion Ratio Lower Upper

76 100

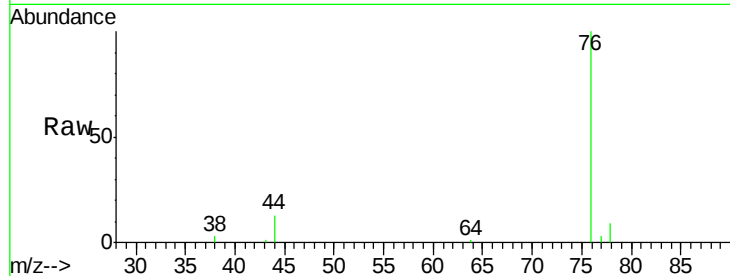
78 8.8 7.1 10.7

Manual Integrations

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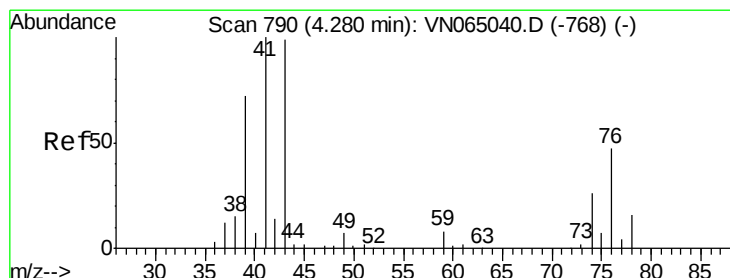
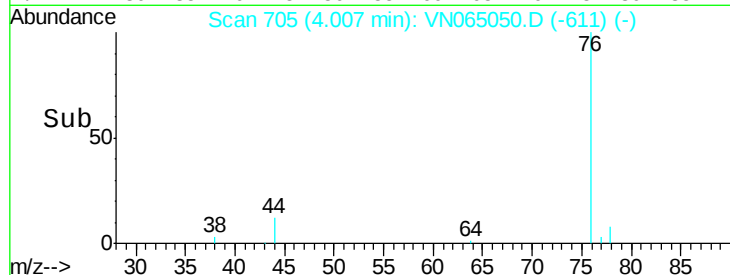
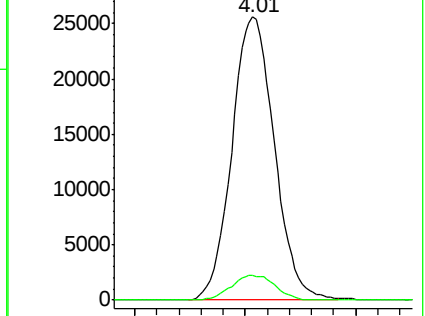
MMDadoda

12/11/2020 12:32:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.266 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN065050.D

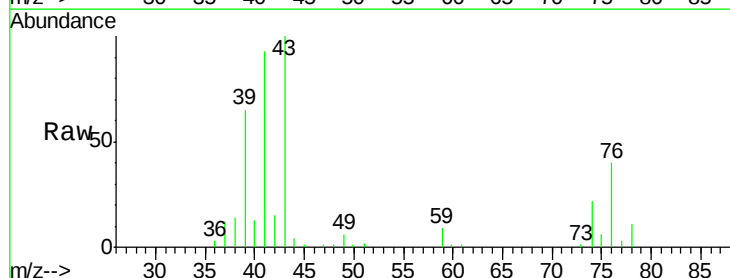
Acq: 10 Dec 2020 18:31

Tgt Ion: 43 Resp: 40911

Ion Ratio Lower Upper

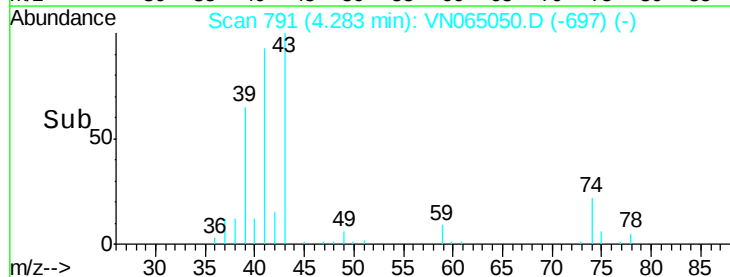
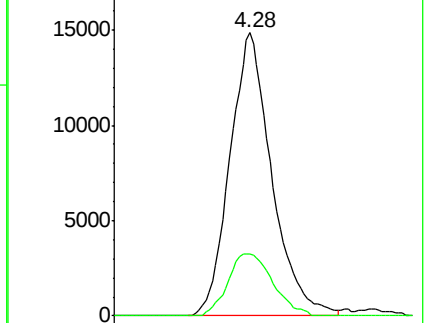
43 100

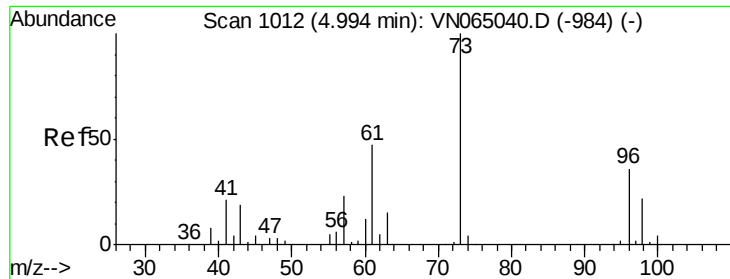
74 23.6 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





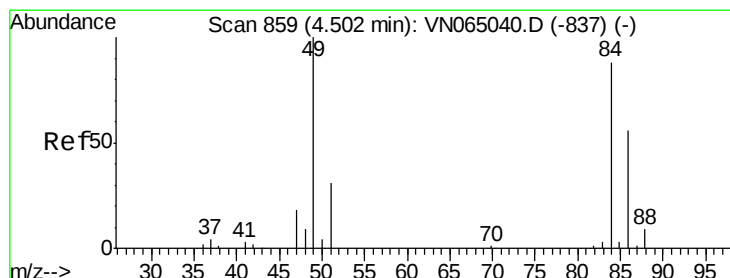
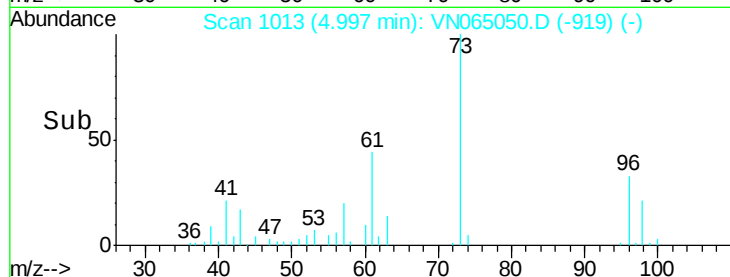
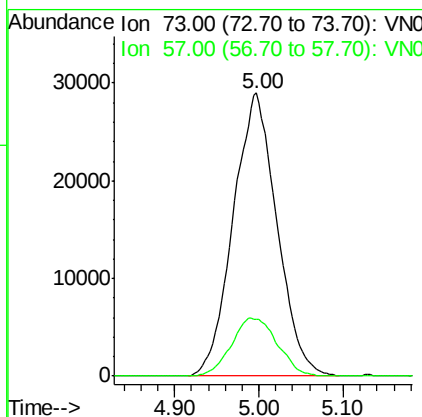
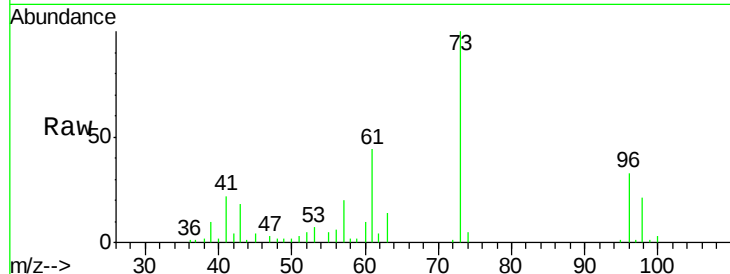
#19
Methvl tert-butvl Ether
Concen: 18.002 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 73 Resp: 104400
Ion Ratio Lower Upper
73 100
57 20.0 18.0 27.0

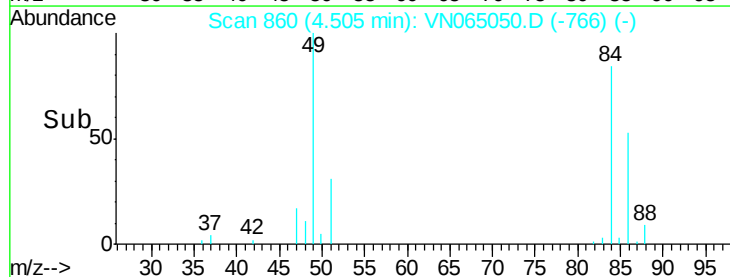
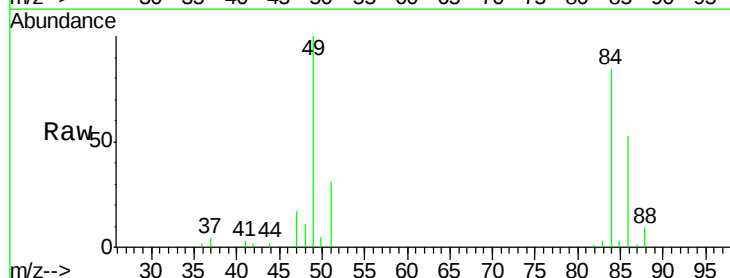
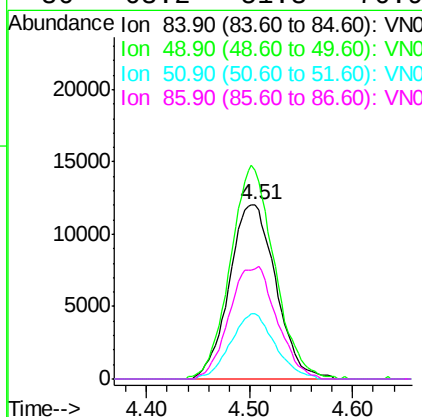
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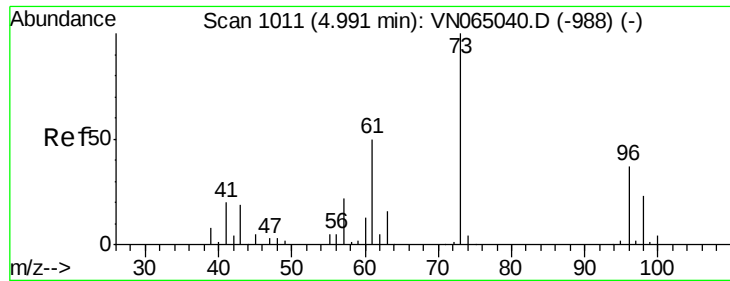
MMDadoda
12/11/2020 12:32:44 PM



#20
Methylene Chloride
Concen: 17.582 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion: 84 Resp: 37742
Ion Ratio Lower Upper
84 100
49 119.3 90.8 136.2
51 37.3 28.1 42.1
86 63.2 51.3 76.9





#21

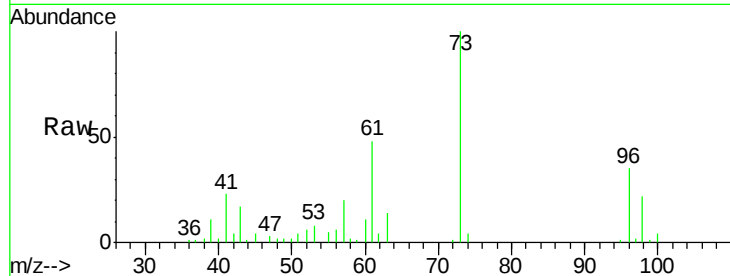
trans-1,2-Dichloroethene
Concen: 17.556 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	107.1	160.7
98	63.1	49.8	74.8

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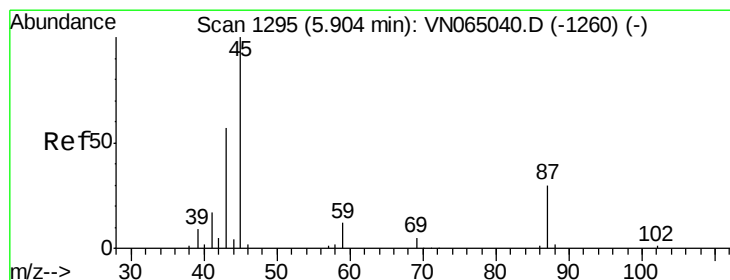
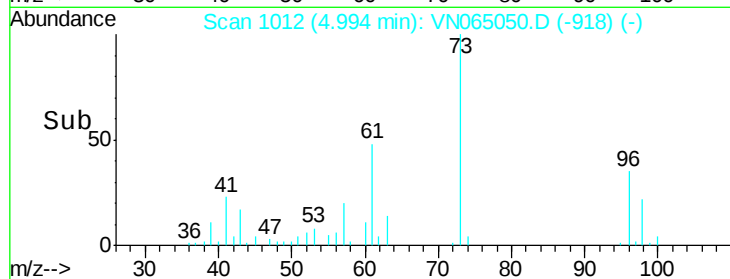
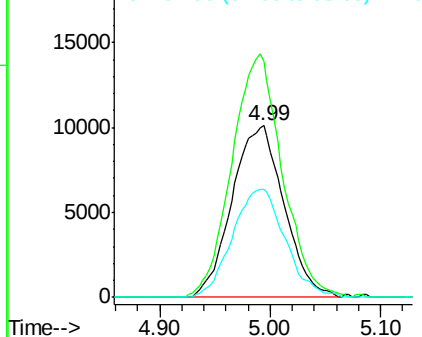


Abundance

Ion 95.90 (95.60 to 96.60): VN065040.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN065040.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN065040.D (-988) (-)



#22

Diisopropyl ether
Concen: 18.282 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	47.9	71.9
87	32.3	24.3	36.5
59	13.2	9.5	14.3

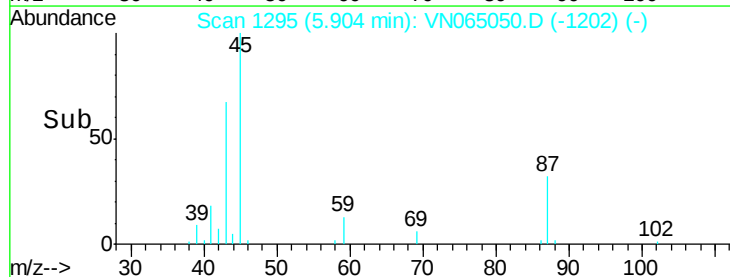
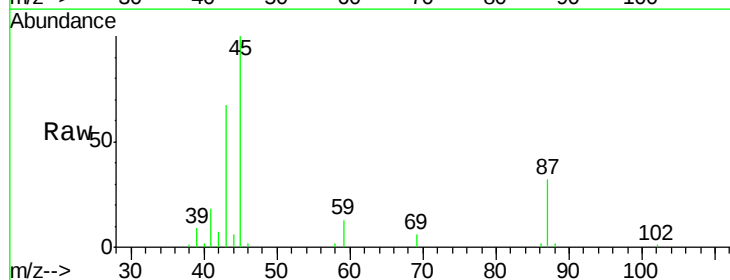
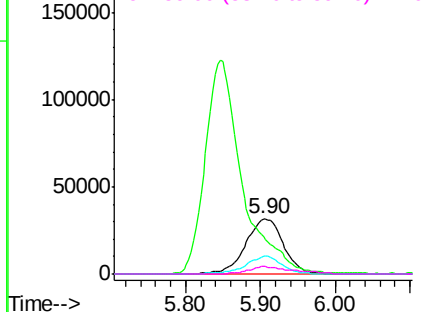
Abundance

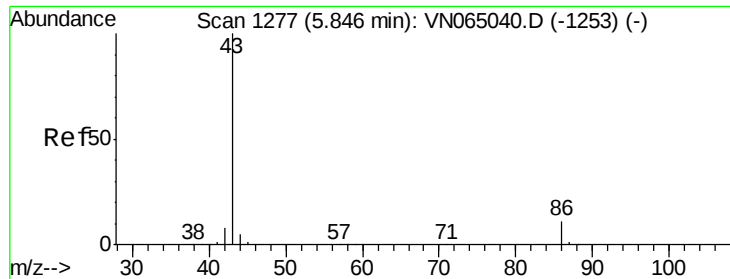
Ion 45.00 (44.70 to 45.70): VN065040.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN065040.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN065040.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN065040.D (-1260) (-)





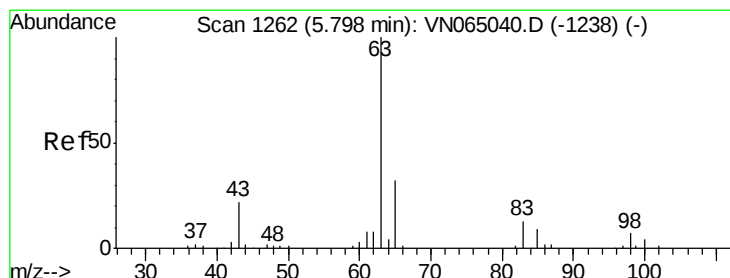
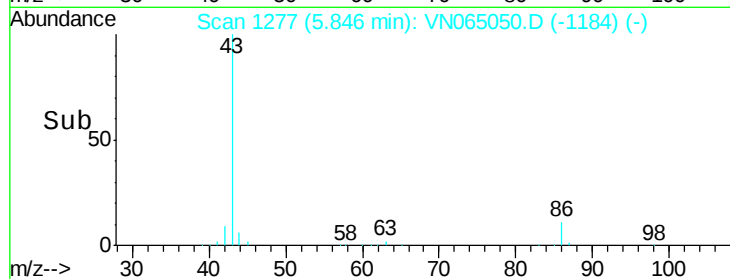
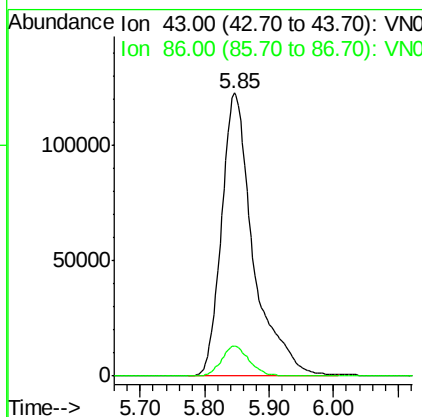
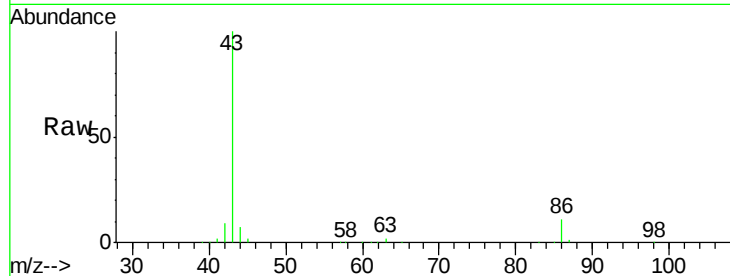
#23
 Vinyl Acetate
 Concen: 89.589 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	43	Resp	420845
Ion Ratio	100	Lower	Upper
43	100		
86	10.7	8.6	12.8

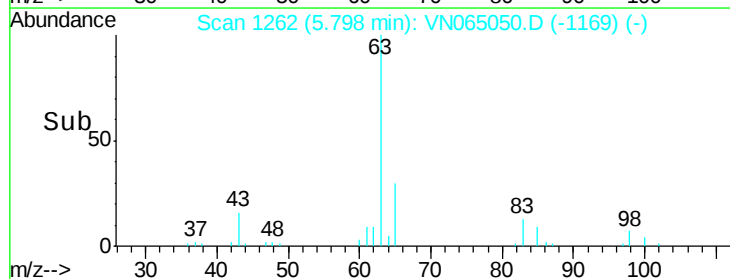
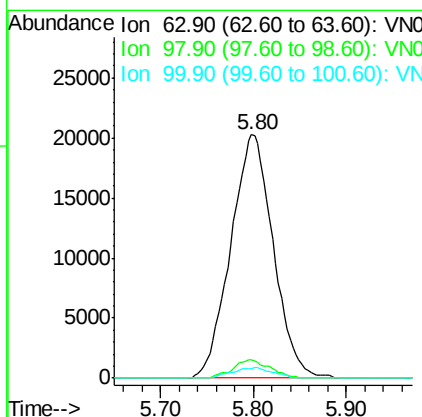
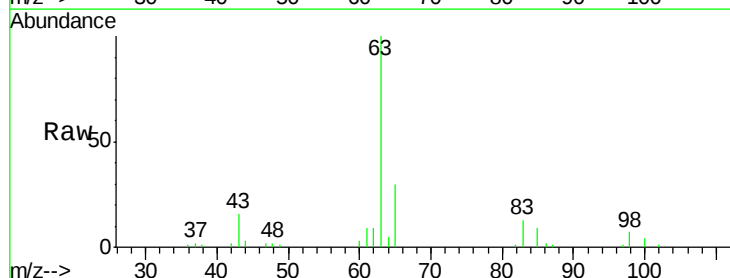
Manual Integrations
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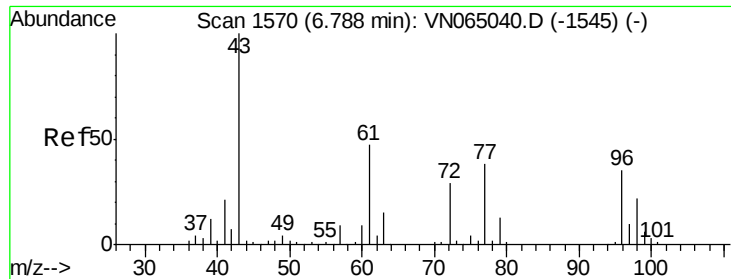
MMDadoda
 12/11/2020 12:32:44 PM



#24
 1,1-Dichloroethane
 Concen: 17.899 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	63	Resp	64442
Ion Ratio	100	Lower	Upper
63	100		
98	7.4	3.3	9.9
100	3.9	2.1	6.2





#25

2-Butanone

Concen: 87.314 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 43 Resp: 101461

Ion Ratio Lower Upper

43 100

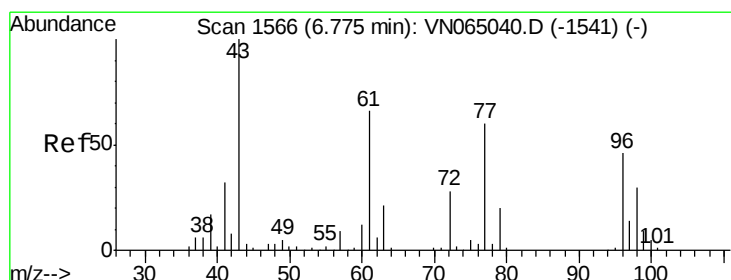
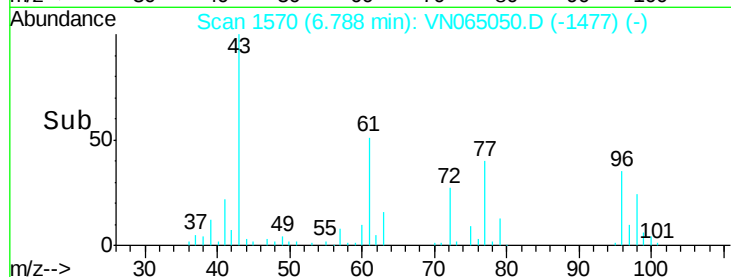
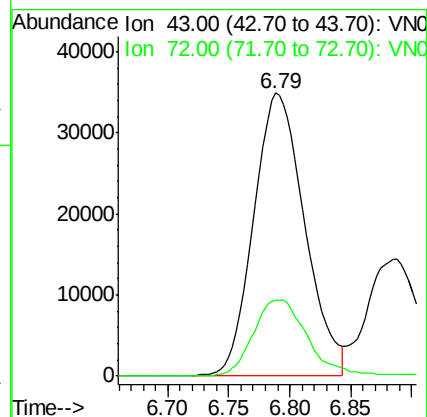
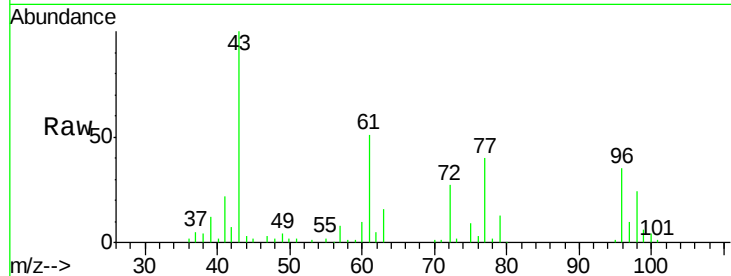
72 26.9 22.9 34.3

Manual Integrations

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12/11/2020 12:32:44 PM



#26

2,2-Dichloropropane

Concen: 17.710 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN065050.D

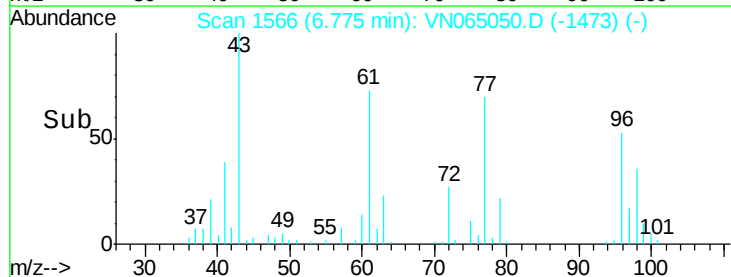
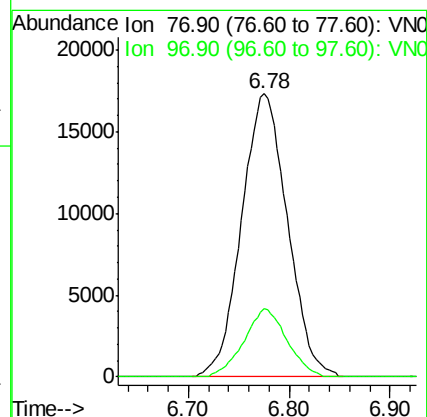
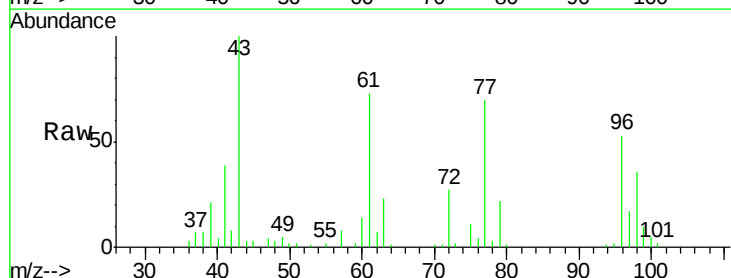
Acq: 10 Dec 2020 18:31

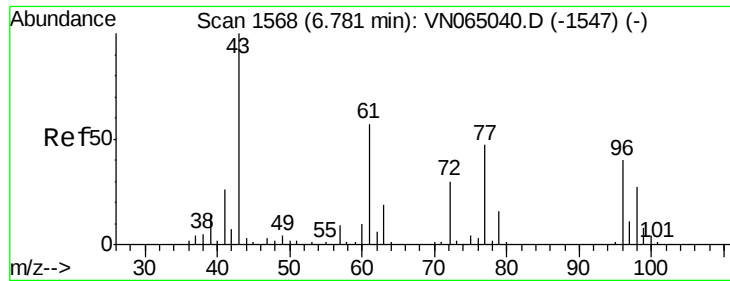
Tgt Ion: 77 Resp: 54636

Ion Ratio Lower Upper

77 100

97 22.5 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 17.781 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

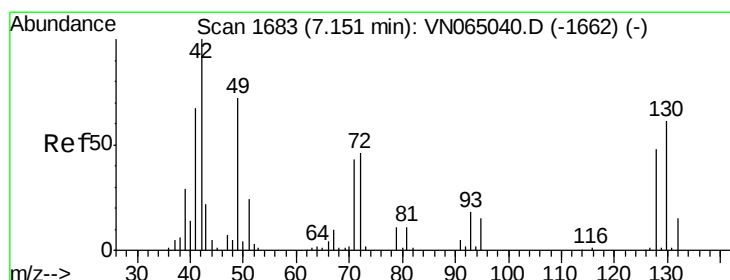
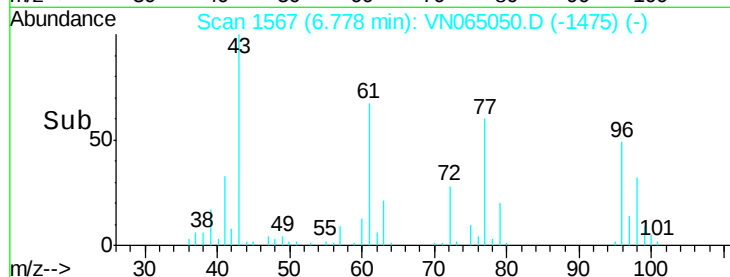
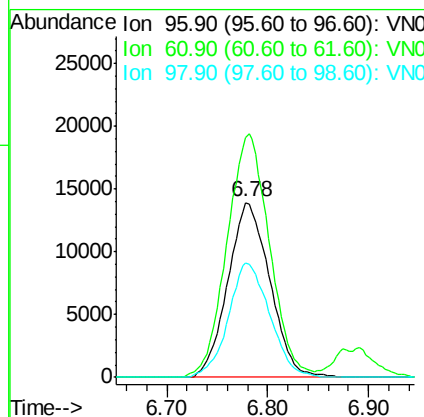
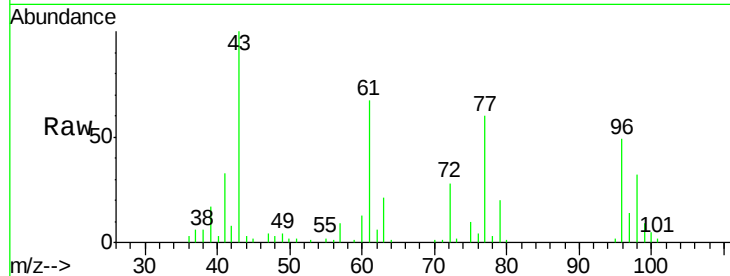
ClientSampleId :

VN1210WBS01

Tot Ion:	96	Resp:	40326
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	283.6
98	64.4	0.0	130.8

Manual Integrations
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#28

Bromochloromethane

Concen: 17.847 ug/l

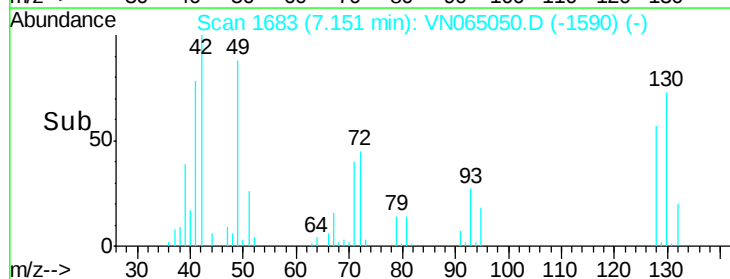
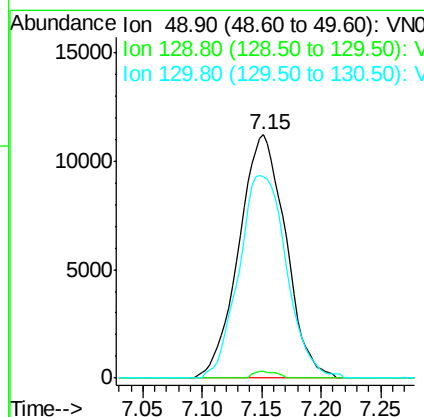
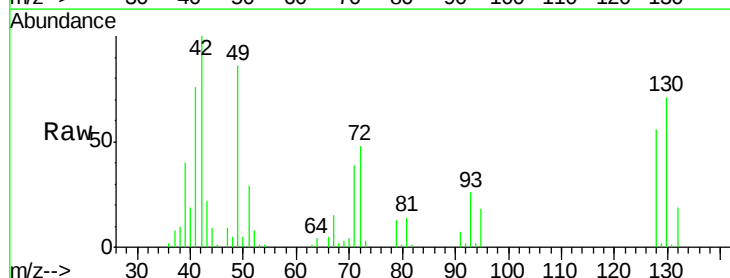
RT: 7.15 min Scan# 1683

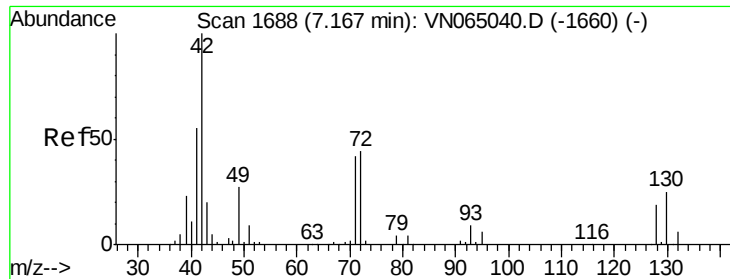
Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion:	49	Resp:	30541
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.2
130	84.9	67.9	101.9





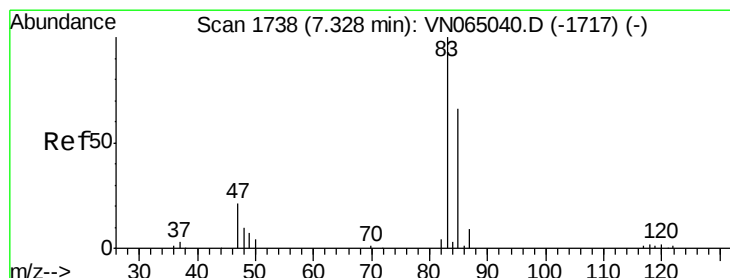
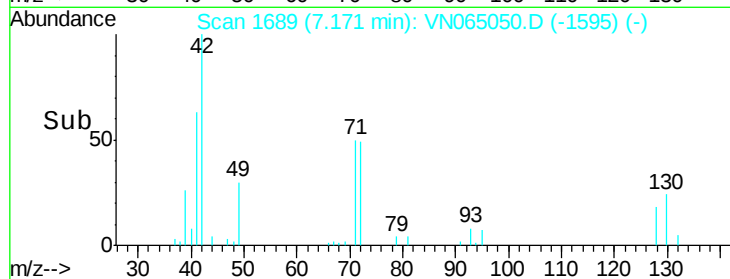
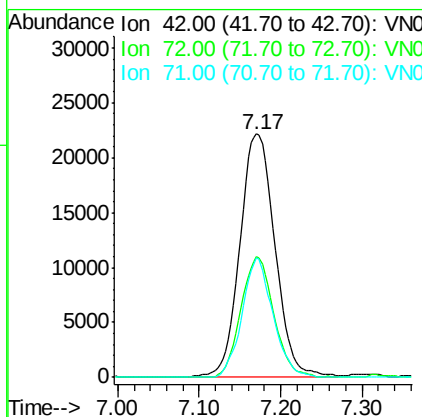
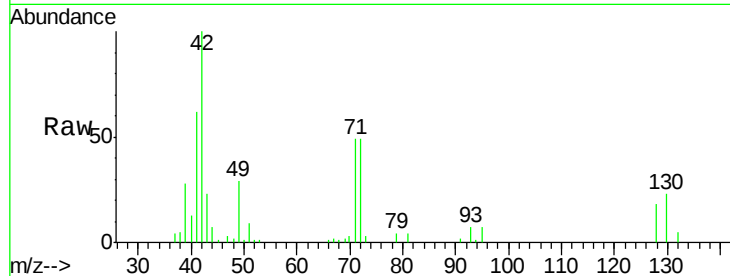
#29
Tetrahydrofuran
Concen: 90.575 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	35.8	53.6
71	42.8	33.5	50.3

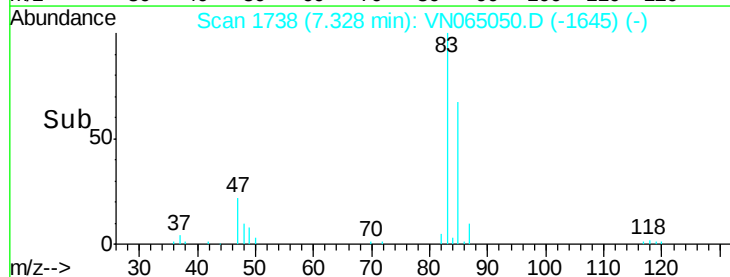
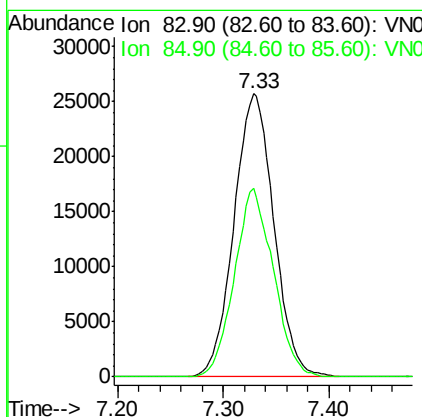
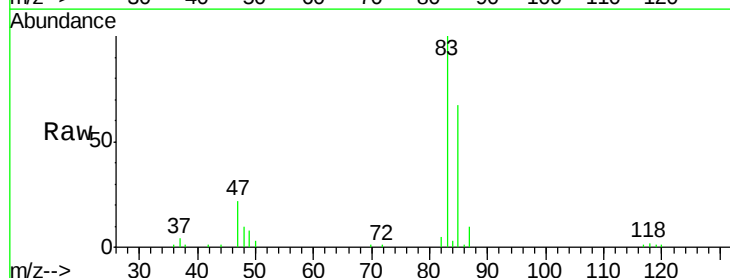
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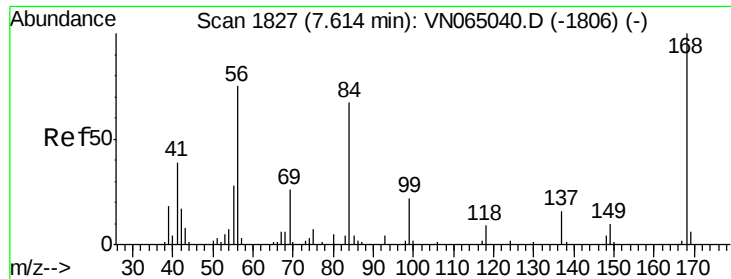
MMDadoda
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#30
Chloroform
Concen: 18.157 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.6	78.8





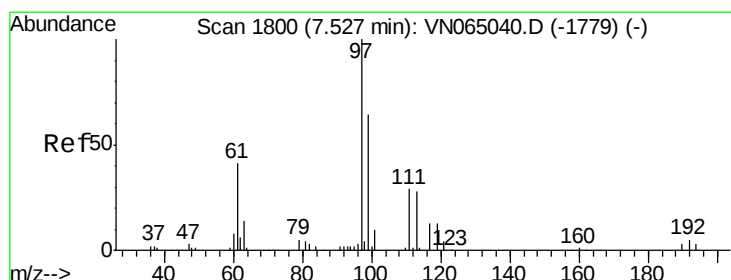
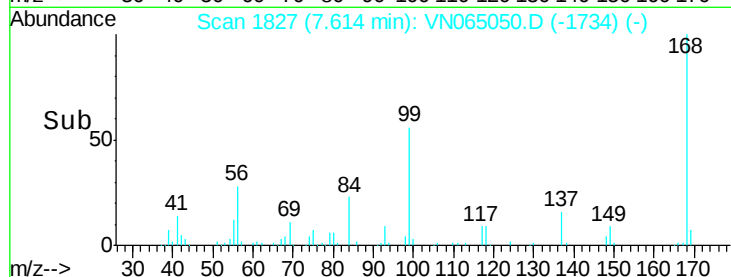
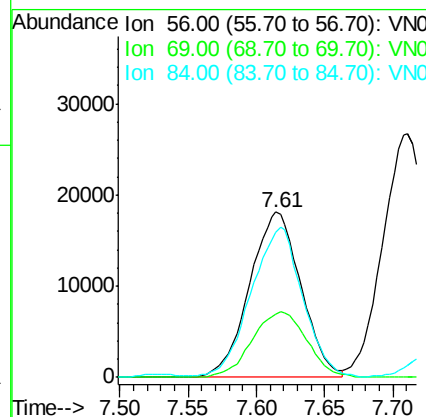
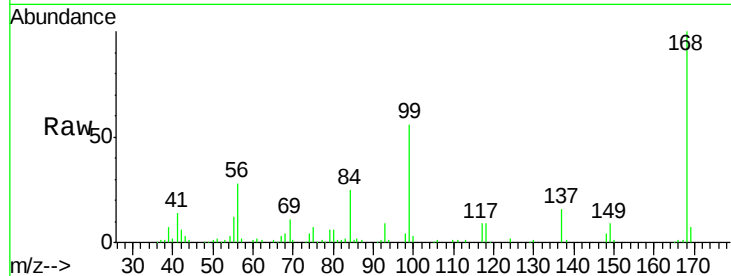
#31
Cyclohexane
Concen: 18.681 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	27.5	41.3
84	86.6	72.4	108.6

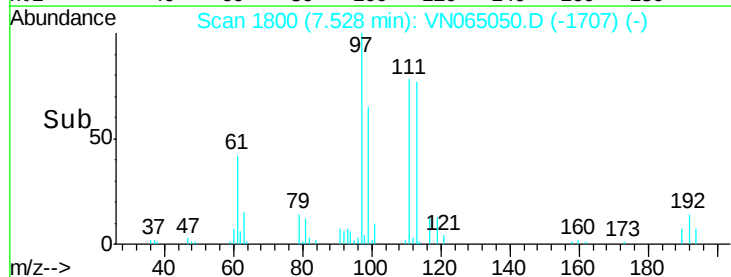
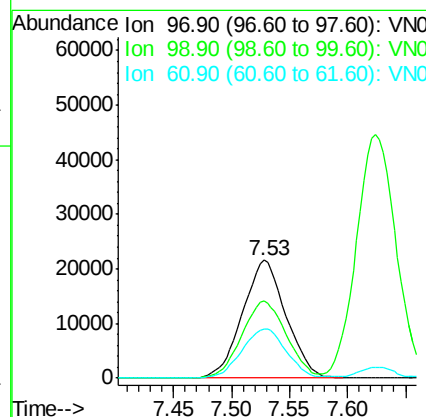
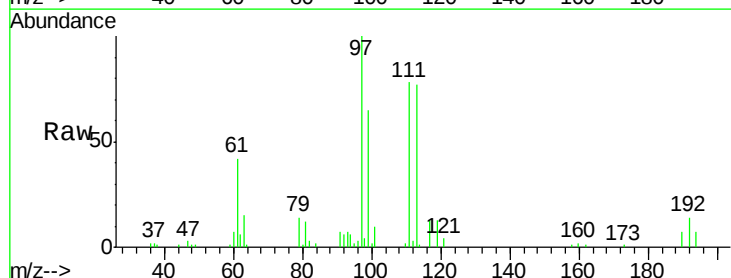
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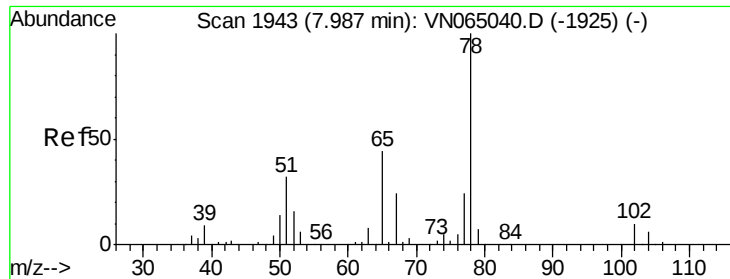
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.657 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.7	77.5
61	42.8	33.5	50.3





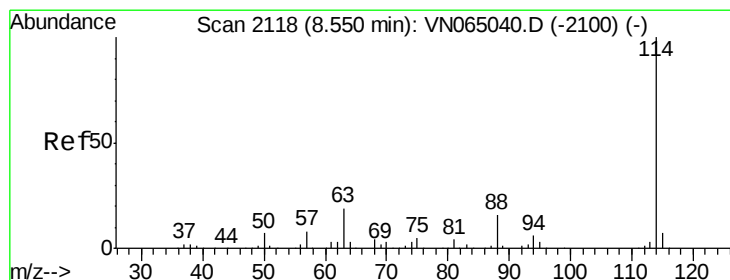
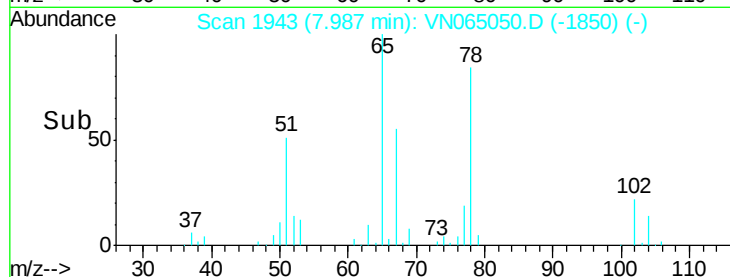
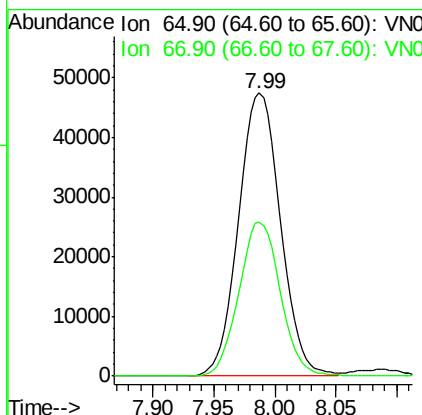
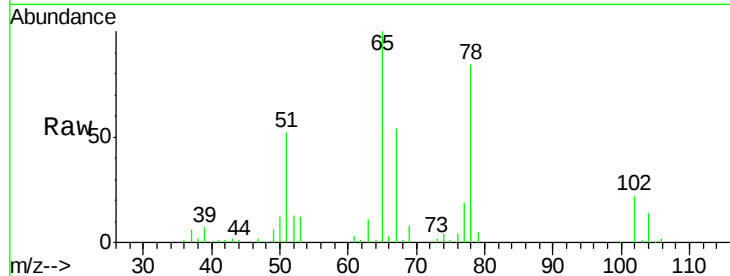
#33
 1,2-Dichloroethane-d4
 Concen: 47.476 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.4	

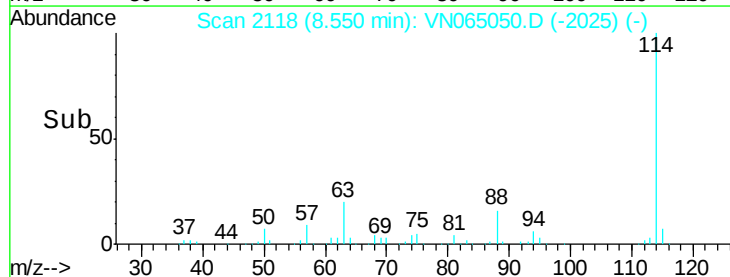
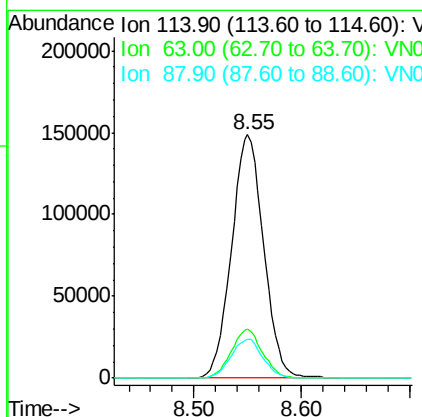
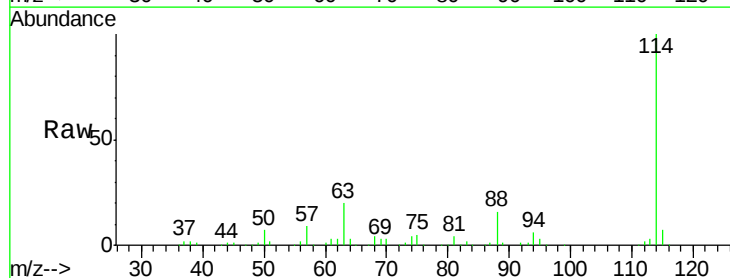
Manual Integrations
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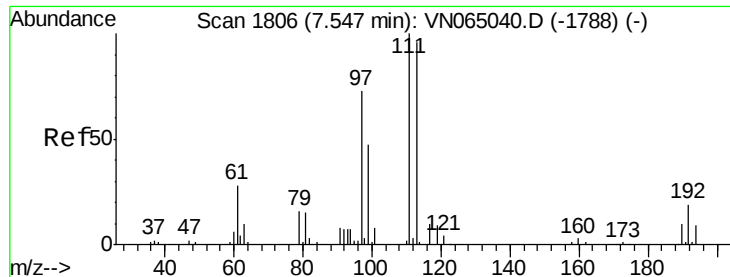
MMDadoda
 12/11/2020 12:32:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	38.2	
88	16.1	0.0	31.6	





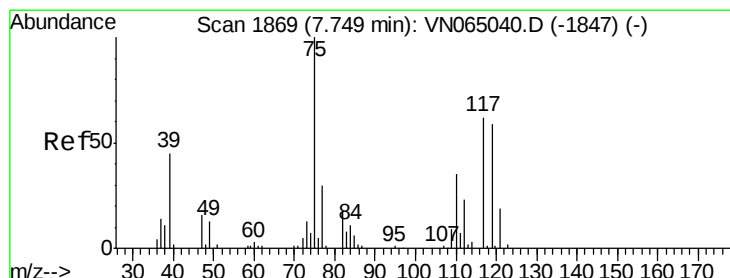
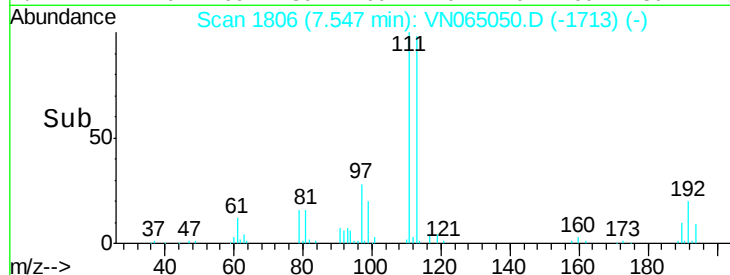
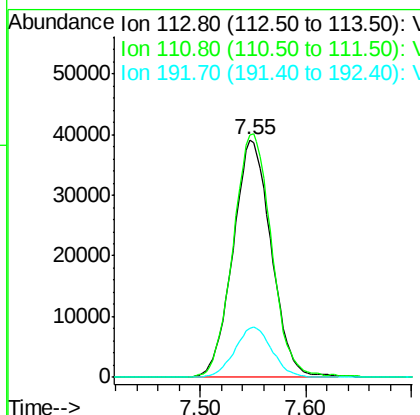
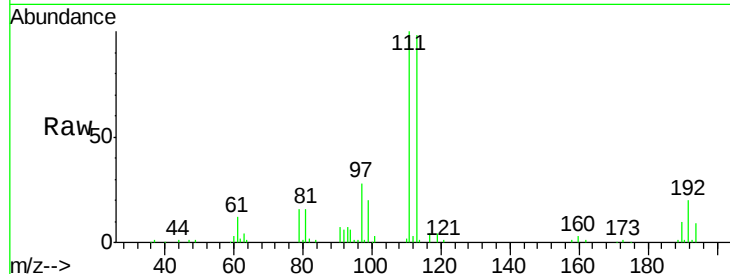
#35
 Dibromofluoromethane
 Concen: 48.154 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.4	125.0
192	20.5	16.2	24.2

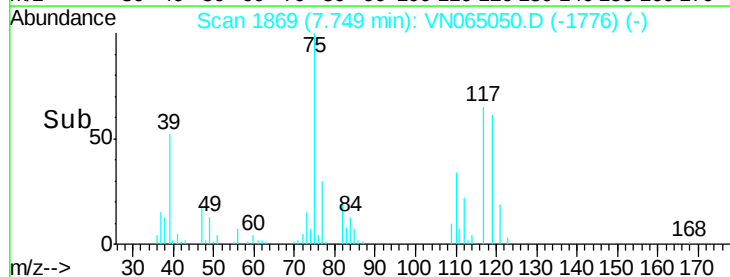
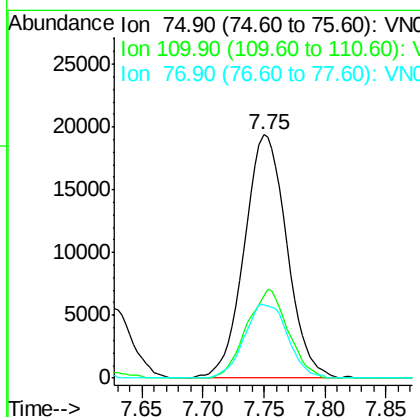
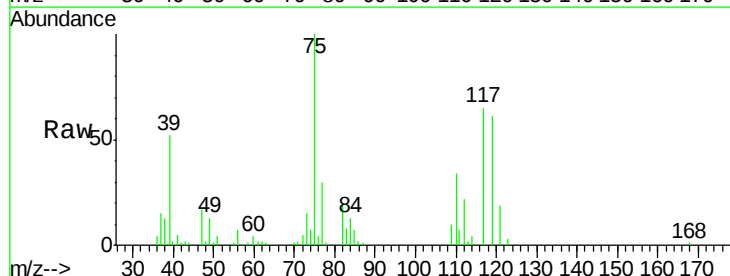
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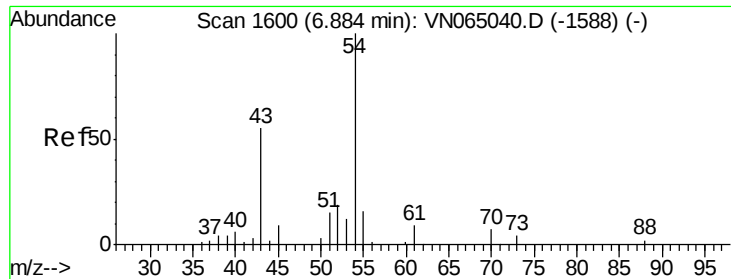
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#36
 1,1-Dichloropropene
 Concen: 17.740 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.1
77	31.1	24.5	36.7





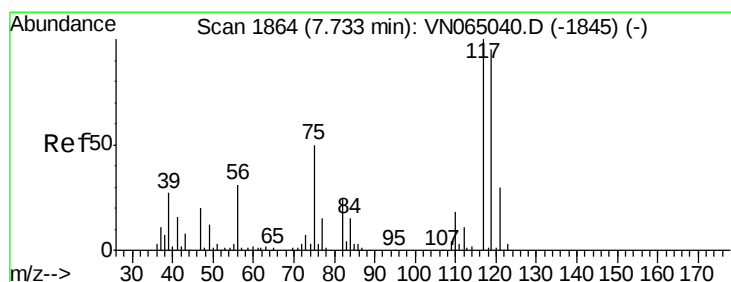
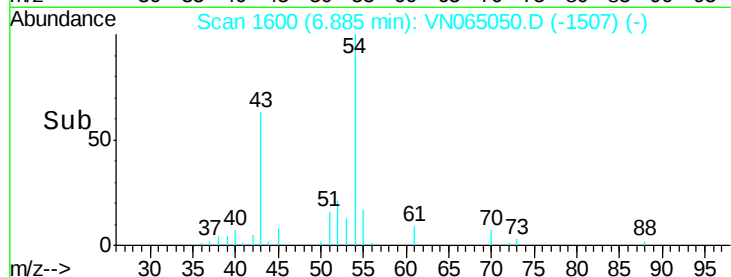
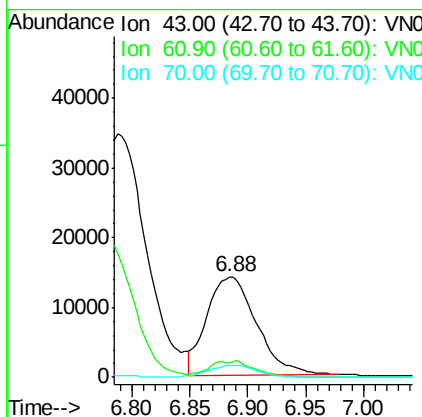
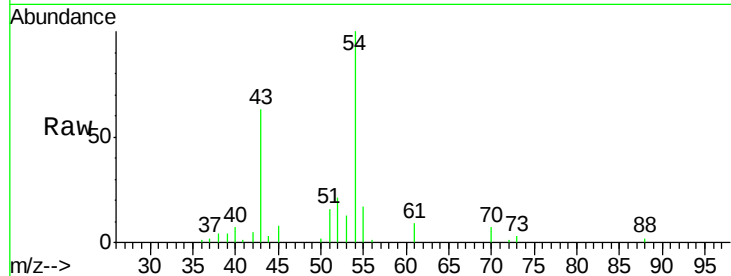
#37
Ethyl Acetate
Concen: 17.943 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	4.3	11.9	17.9#
70	6.3	9.2	13.8#

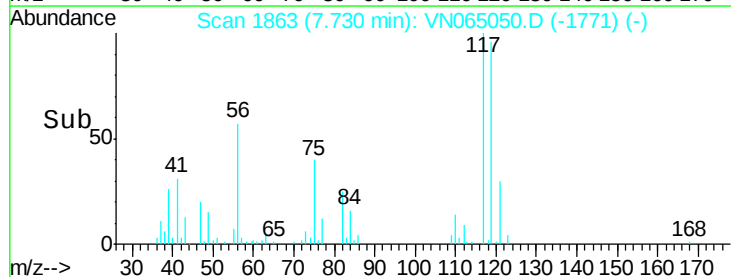
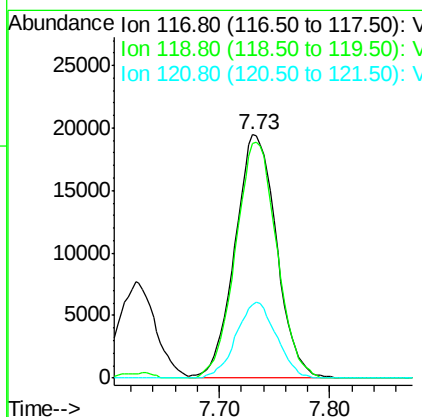
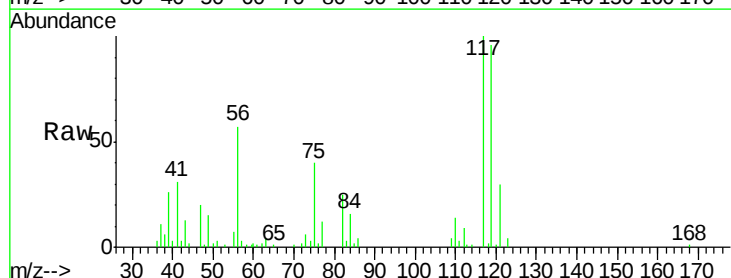
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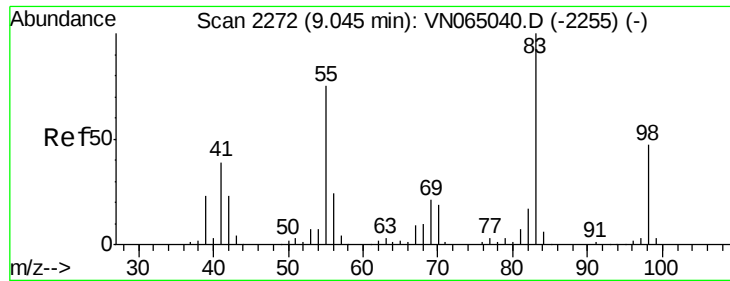
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#38
Carbon Tetrachloride
Concen: 18.188 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.9	113.9
121	30.4	24.1	36.1





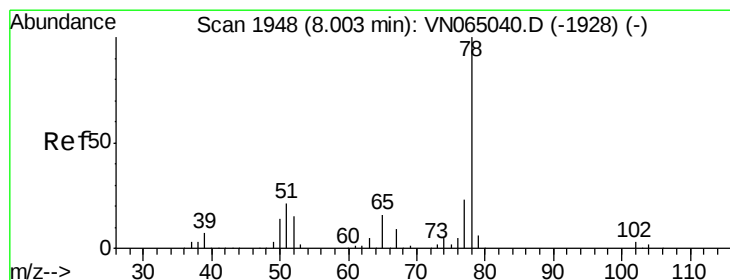
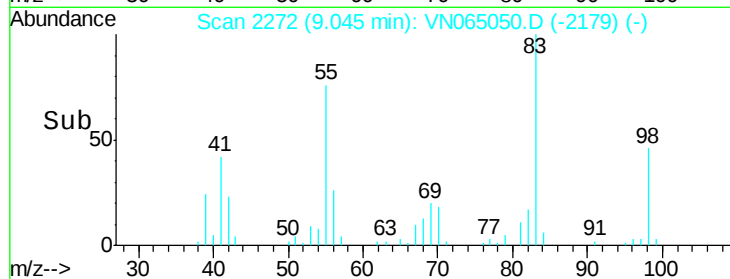
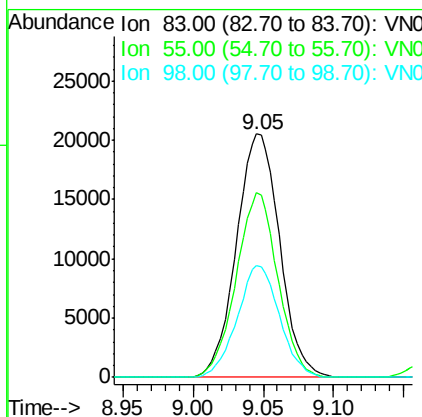
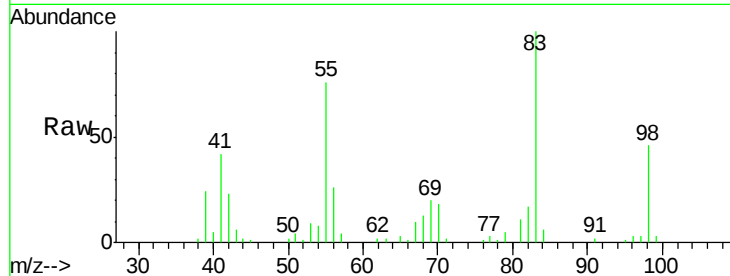
#39
Methvlcvclohexane
Concen: 17.019 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.3	90.5
98	46.1	37.4	56.0

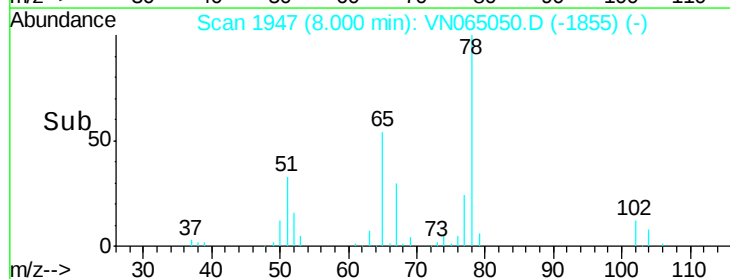
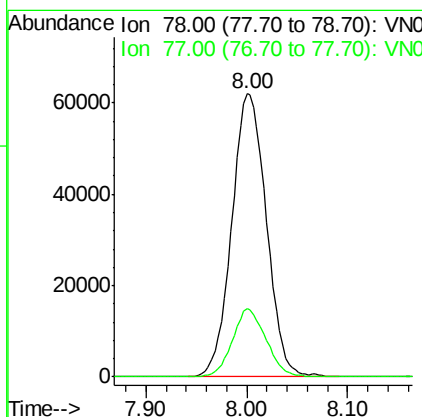
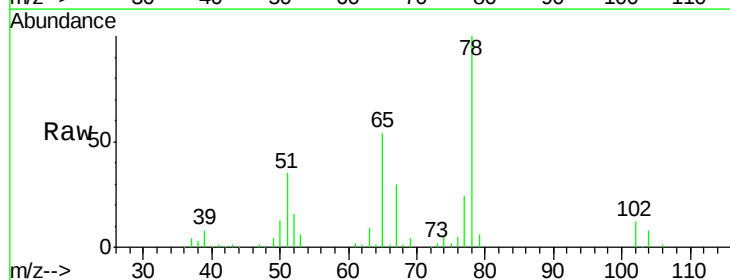
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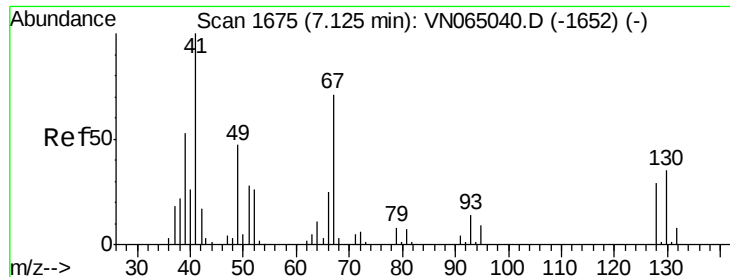
MMDadoda
12/11/2020 12:32:44 PM



#40
Benzene
Concen: 18.098 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1





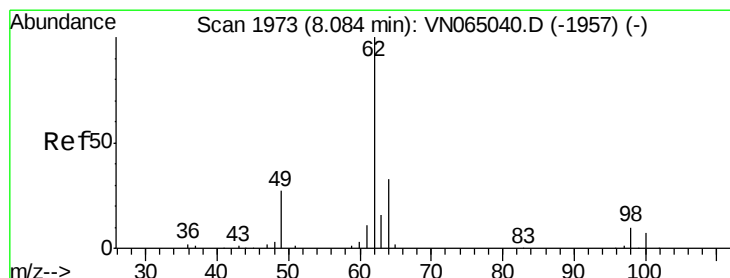
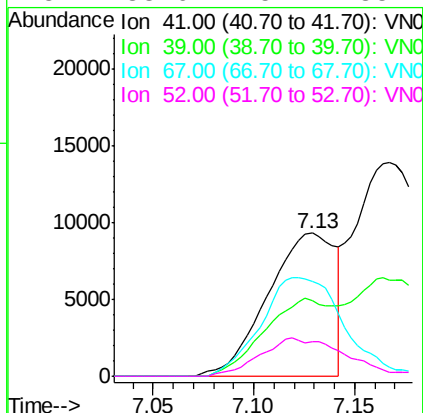
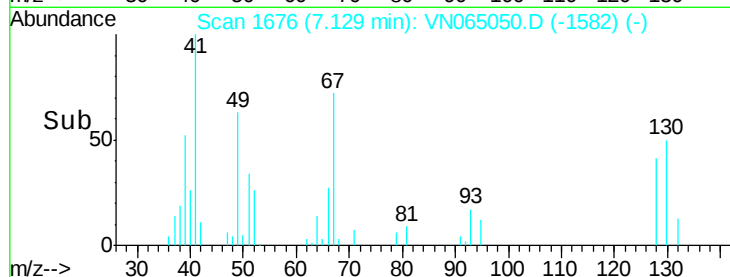
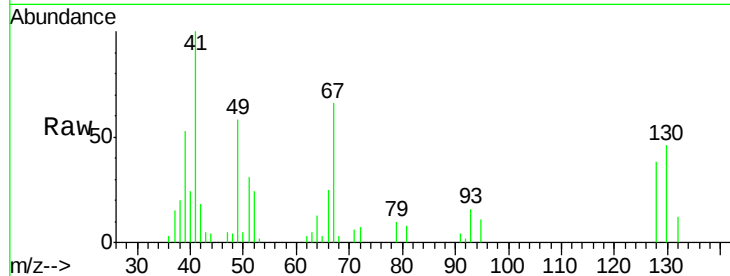
#41
Methacrylonitrile
Concen: 17.402 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.8	36.0	54.0	
67	84.7	64.8	97.2	
52	33.6	25.4	38.2	

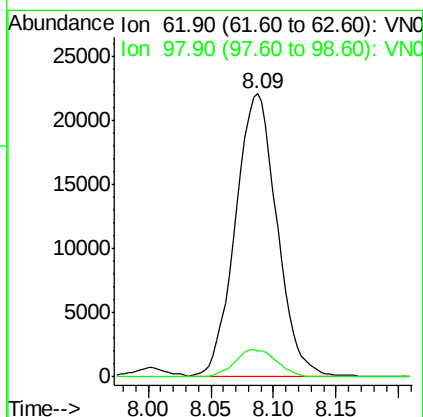
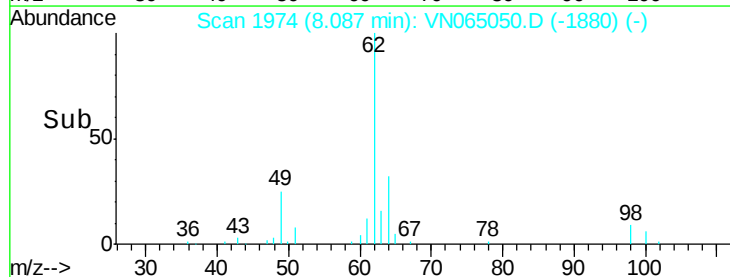
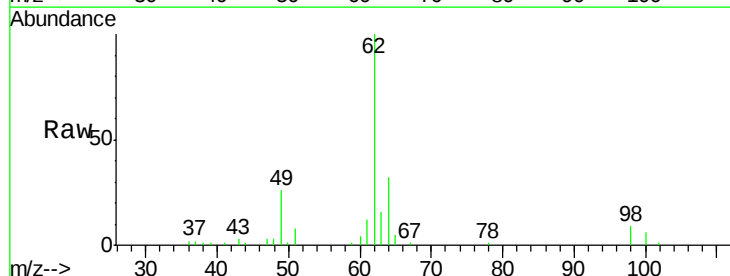
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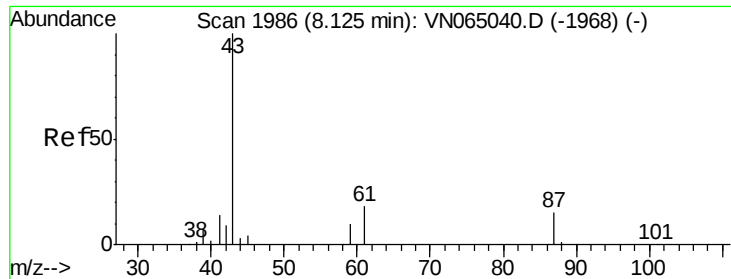
MMDadoda
12/11/2020 12:32:44 PM



#42
1,2-Dichloroethane
Concen: 18.503 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	19.8	





#43

Isopropyl Acetate

Concen: 17.818 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

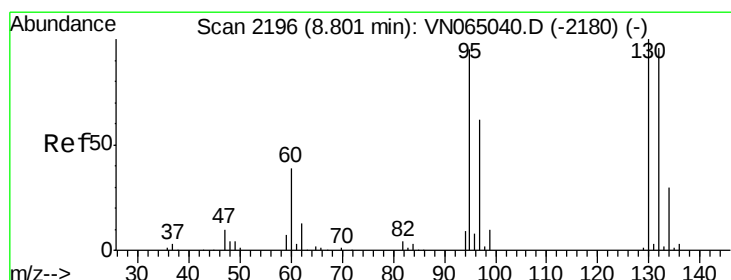
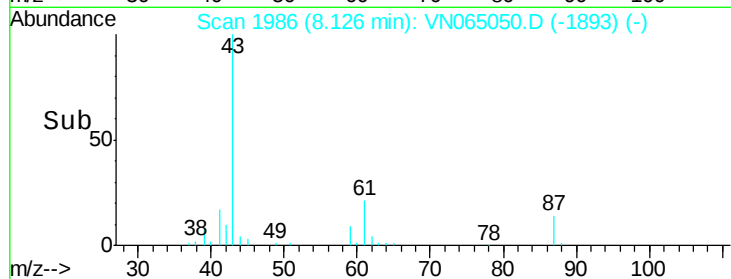
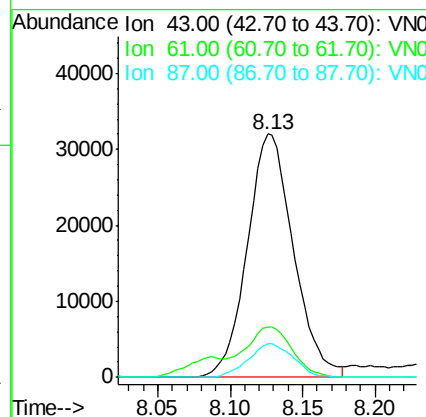
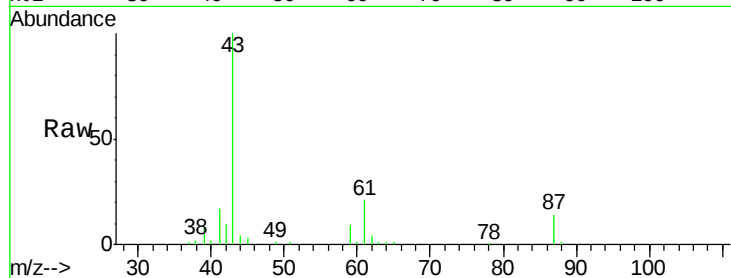
ClientSampleId :

VN1210WBS01

Tot Ion:	43	Resp:	70835
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.9	25.3
87	13.4	11.4	17.2

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#44

Trichloroethene

Concen: 18.118 ug/l

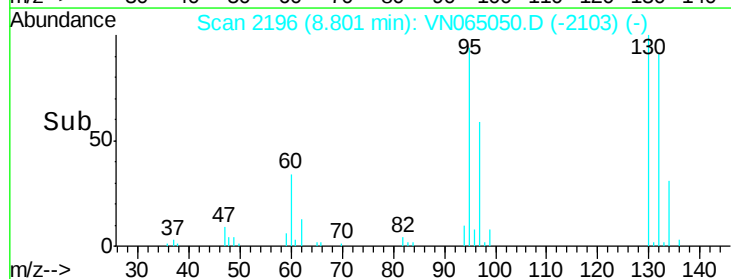
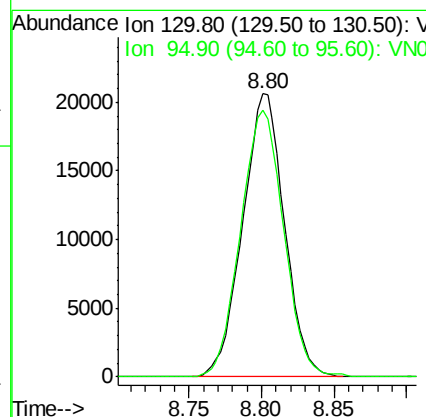
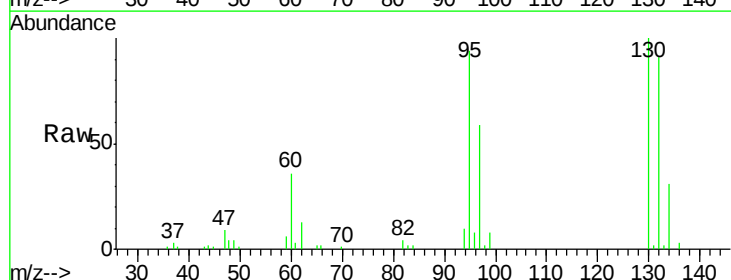
RT: 8.80 min Scan# 2196

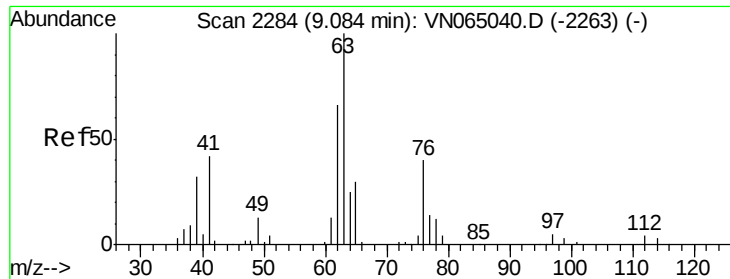
Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion:	130	Resp:	41226
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	190.2





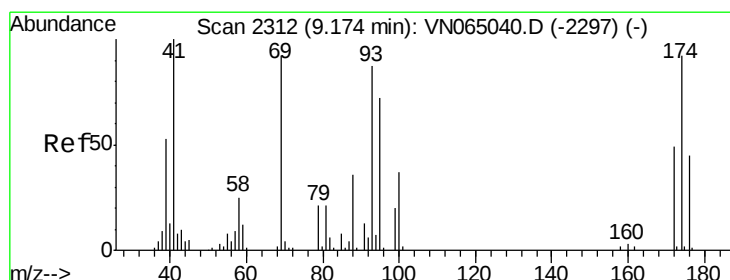
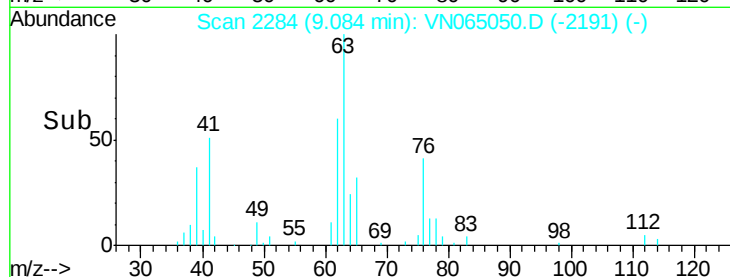
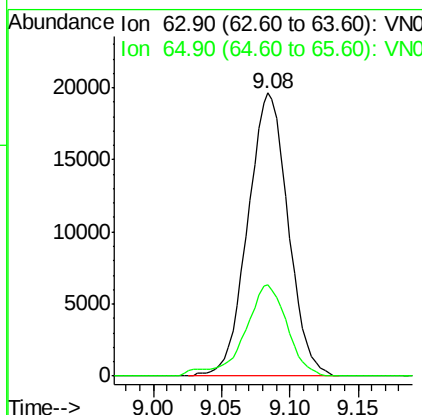
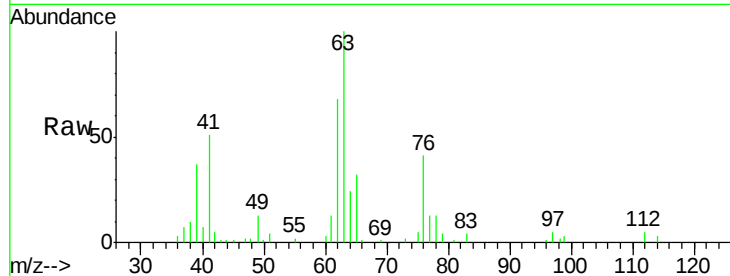
#45
 1,2-Dichloropropane
 Concen: 18.271 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion: 63 Resp: 40265
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.0 36.0

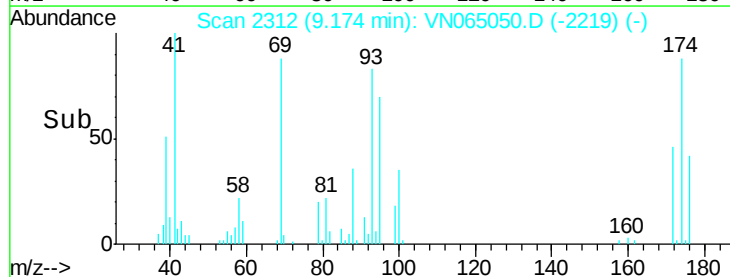
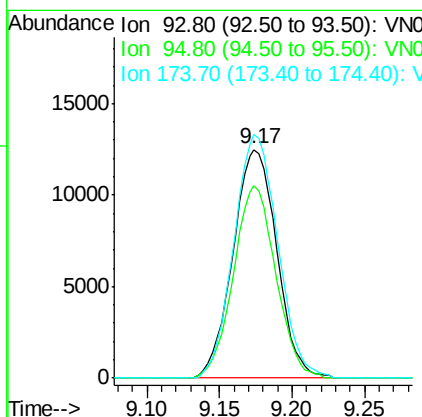
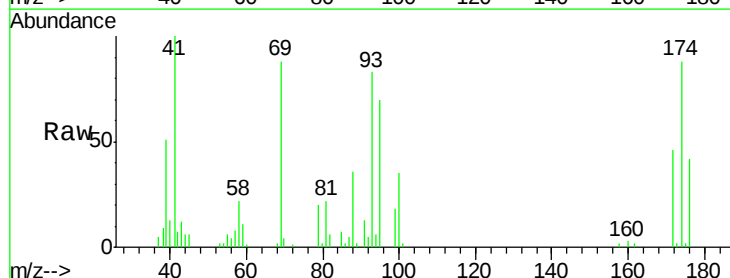
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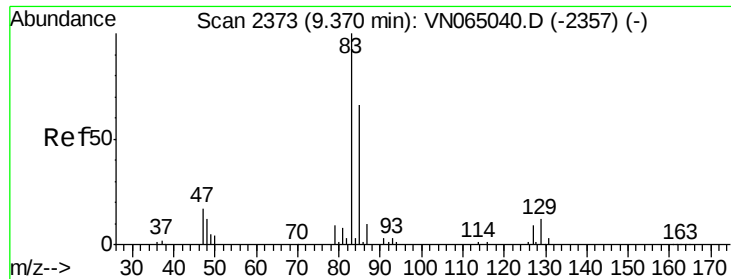
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#46
 Dibromomethane
 Concen: 18.410 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion: 93 Resp: 26283
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.7 98.5
 174 106.7 83.0 124.4





#47

Bromodichloromethane

Concen: 18.216 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

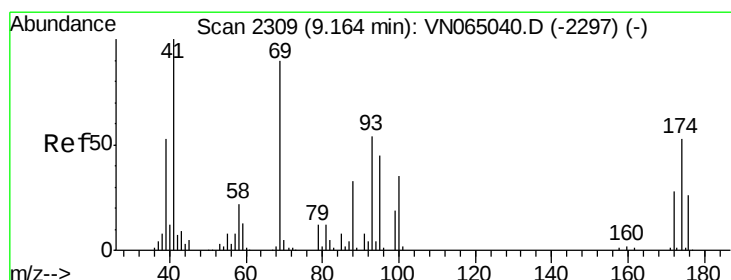
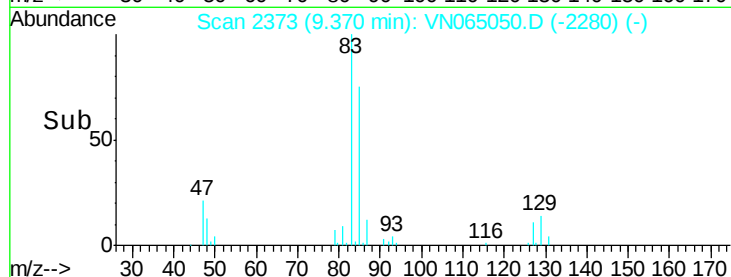
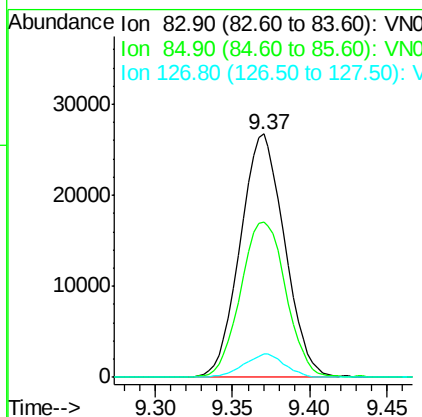
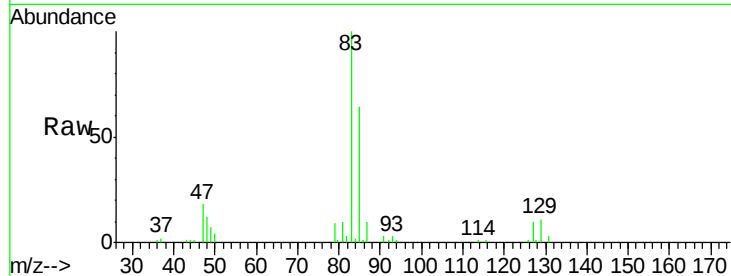
ClientSampleId :

VN1210WBS01

Tot Ion:	83	Resp:	53268
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.5	78.7
127	9.5	7.1	10.7

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#48

Methyl methacrylate

Concen: 18.631 ug/l

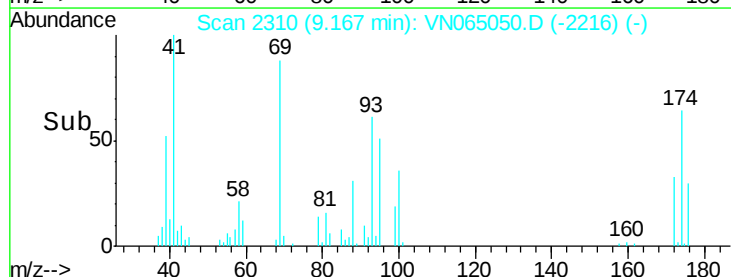
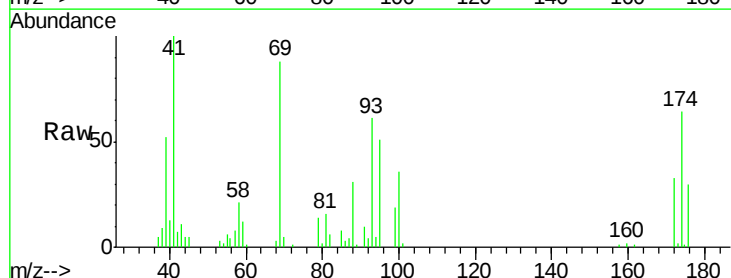
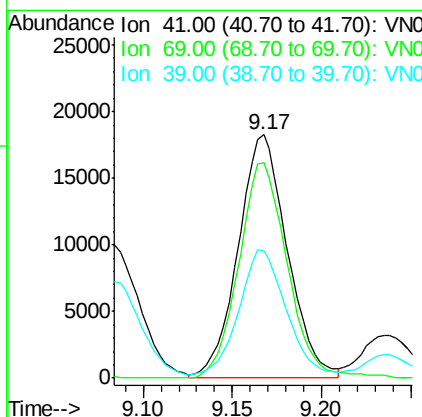
RT: 9.17 min Scan# 2310

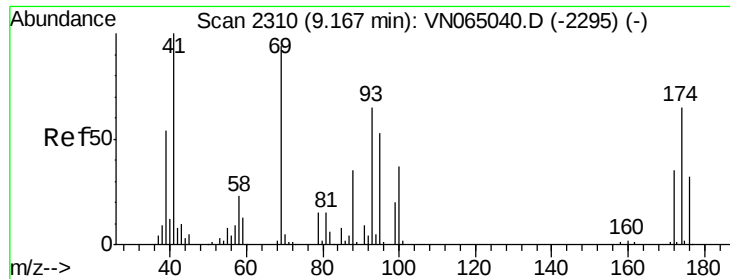
Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion:	41	Resp:	35161
Ion Ratio	Lower	Upper	
41	100		
69	87.3	72.1	108.1
39	52.0	43.8	65.6





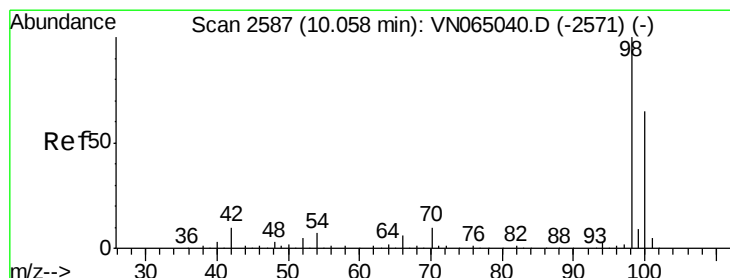
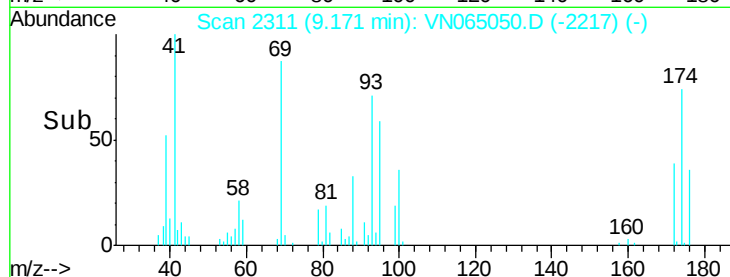
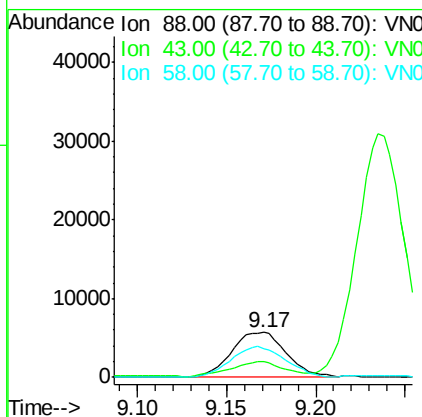
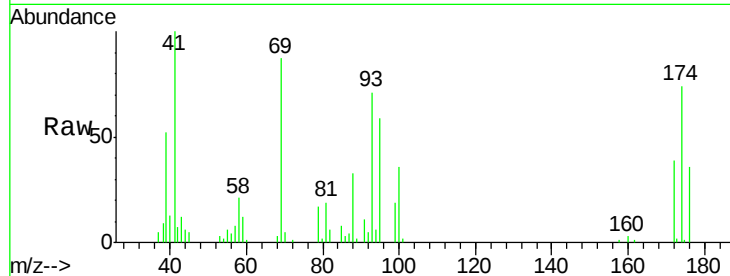
#49
1,4-Dioxane
Concen: 359.703 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	21.1	31.7#
58	67.5	53.8	80.8

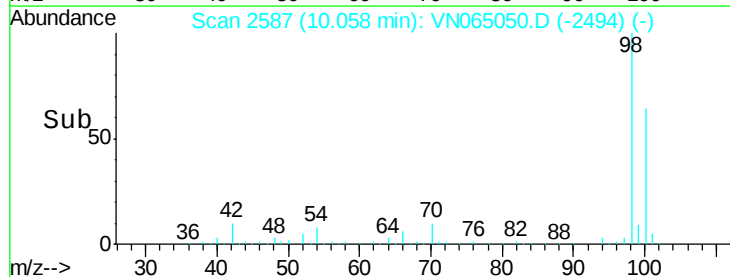
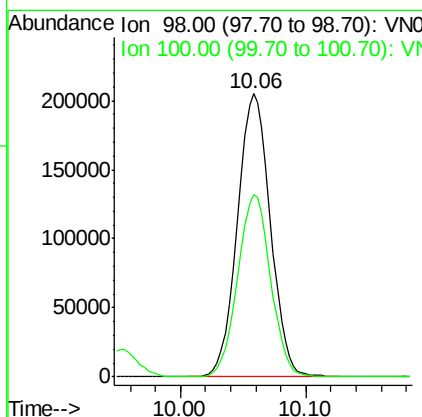
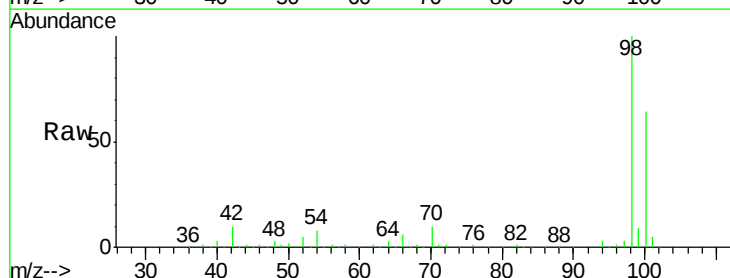
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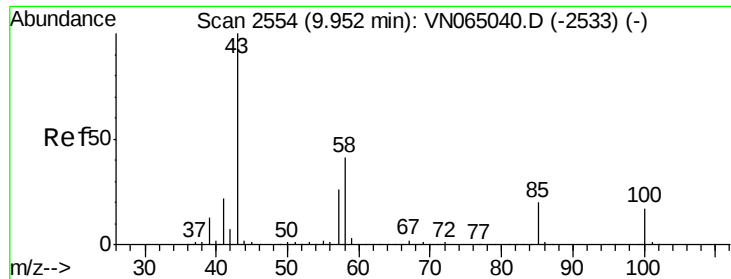
MMDadoda
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#50
Toluene-d8
Concen: 47.837 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 93.566 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 43 Resp: 222382

Ion Ratio Lower Upper

43 100

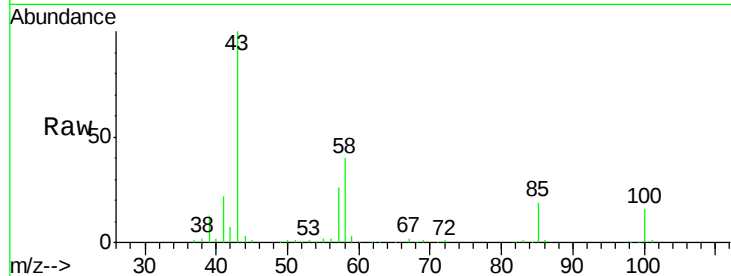
58 39.5 32.4 48.6

Manual Integrations

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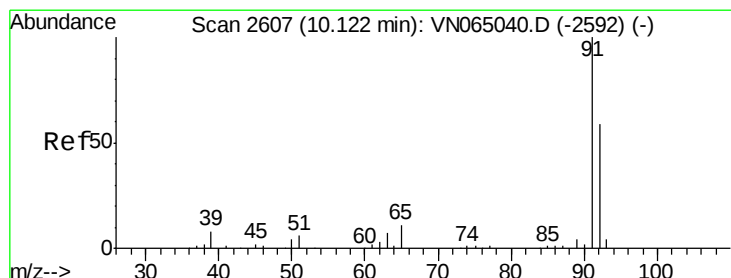
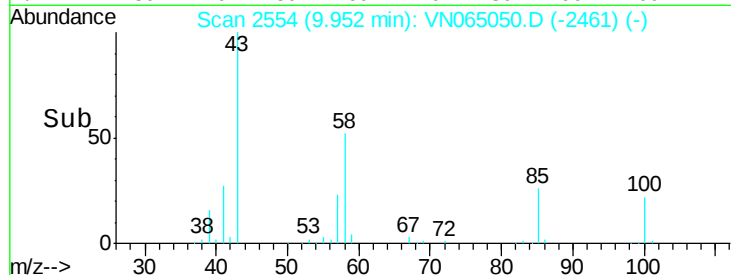
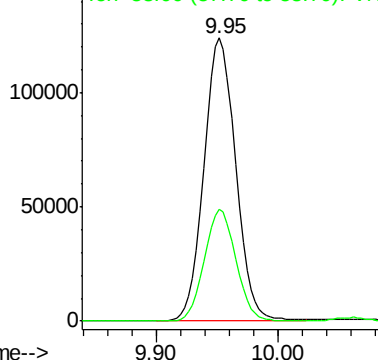
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.491 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN065050.D

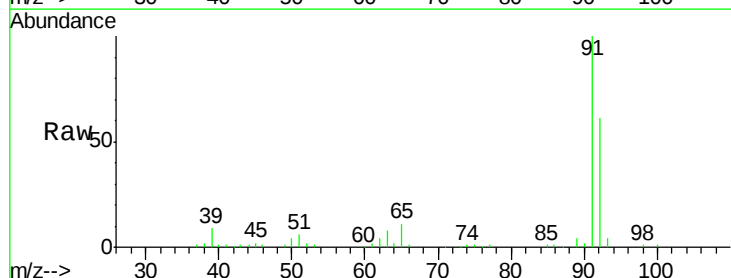
Acq: 10 Dec 2020 18:31

Tgt Ion: 92 Resp: 94402

Ion Ratio Lower Upper

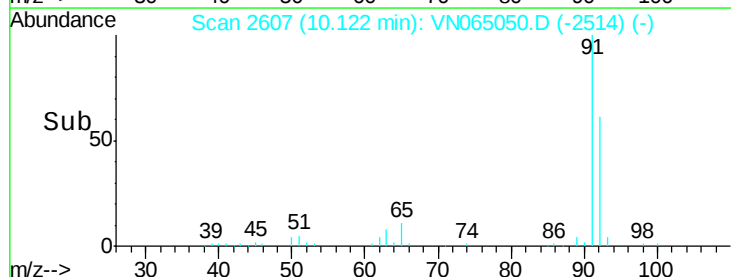
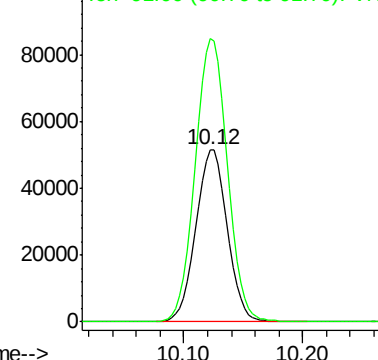
92 100

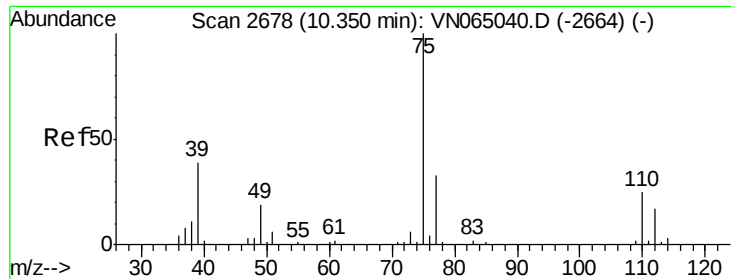
91 169.1 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





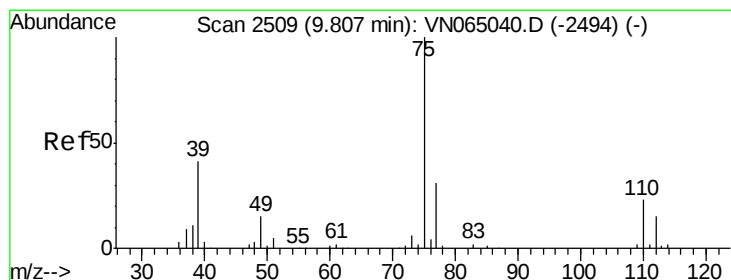
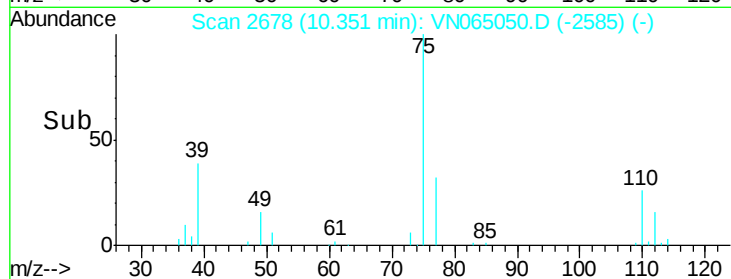
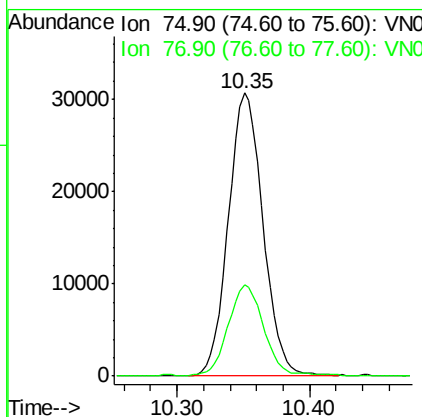
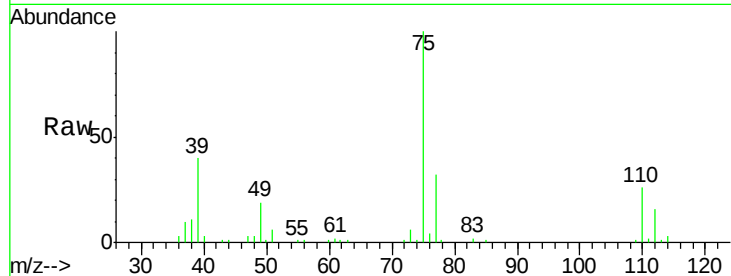
#53
 t-1,3-Dichloropropene
 Concen: 17.894 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion: 75 Resp: 55767
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0

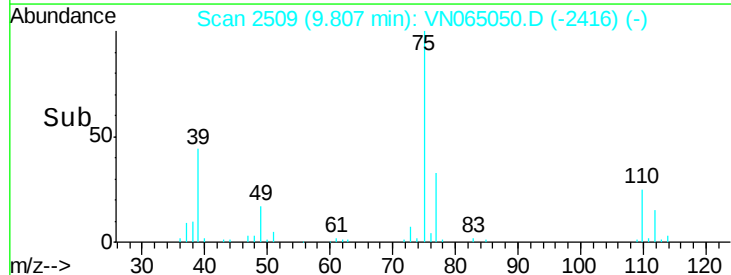
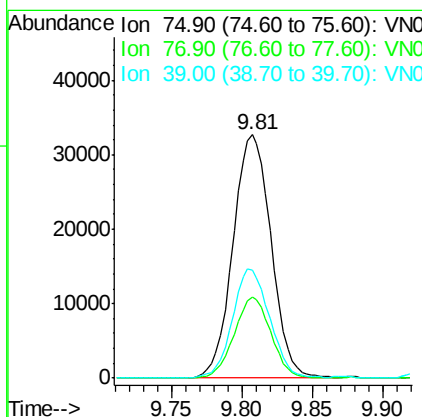
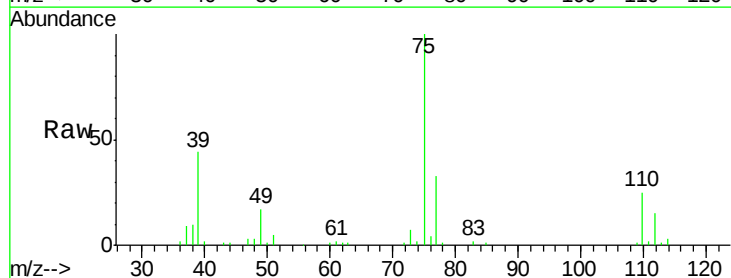
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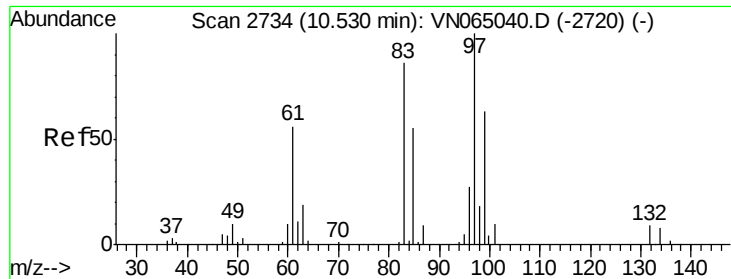
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#54
 cis-1,3-Dichloropropene
 Concen: 17.756 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion: 75 Resp: 61896
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.8 37.2
 39 44.3 33.0 49.4





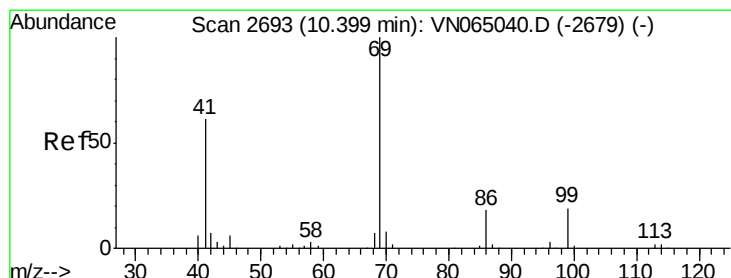
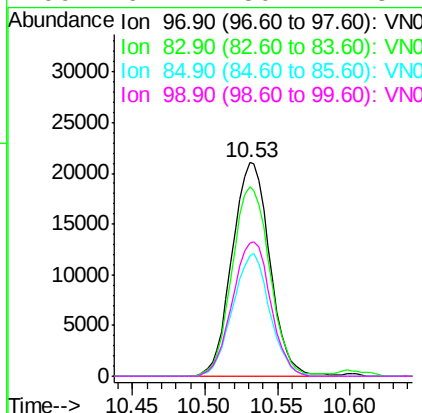
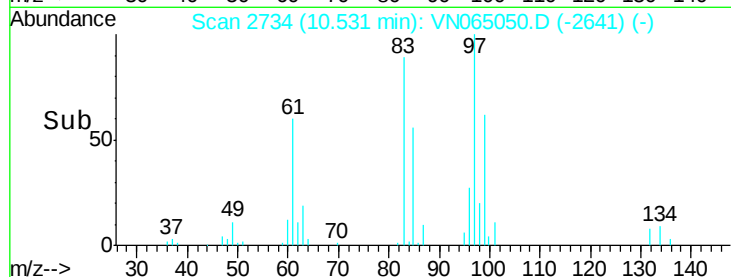
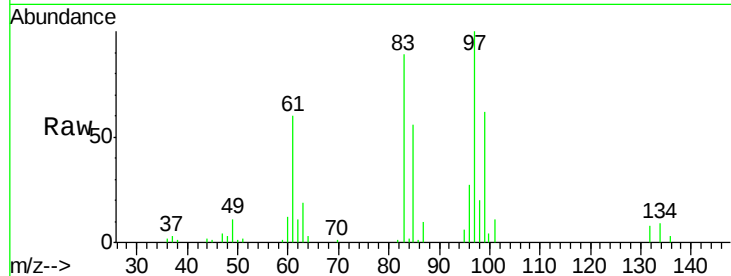
#55
 1,1,2-Trichloroethane
 Concen: 17.988 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion:	97	Resp:	38023
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.0	103.6
85	56.4	43.6	65.4
99	62.2	50.1	75.1

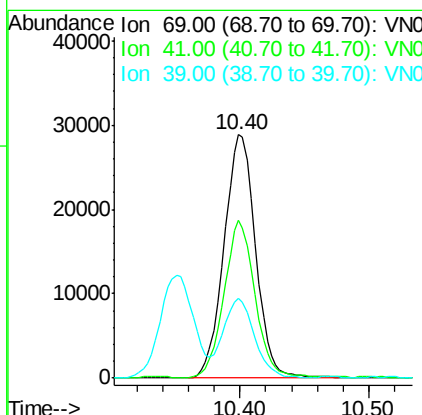
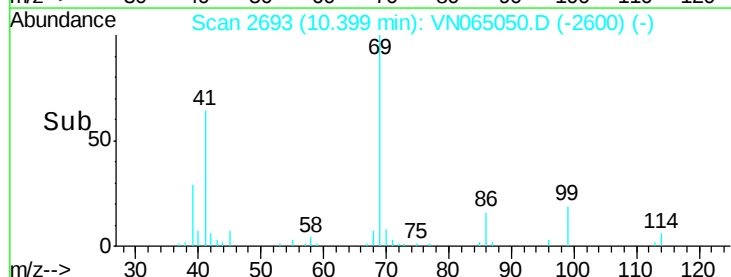
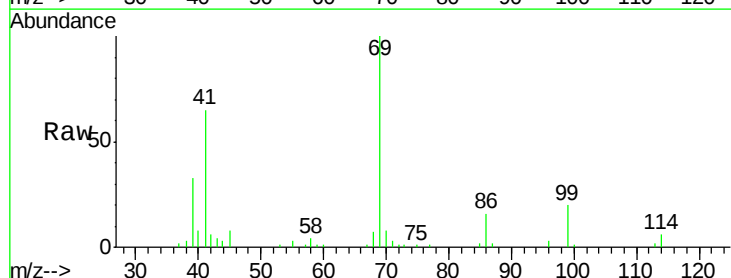
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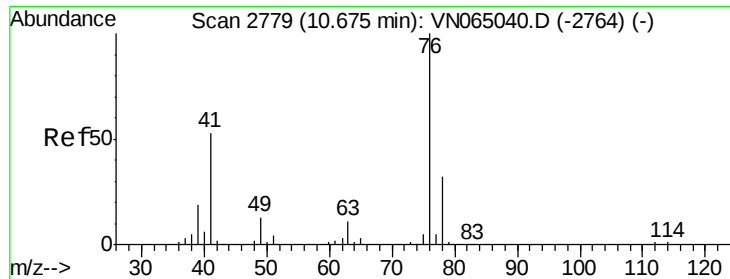
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#56
 Ethyl methacrylate
 Concen: 17.564 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion:	69	Resp:	49027
Ion	Ratio	Lower	Upper
69	100		
41	63.8	48.2	72.2
39	32.6	24.7	37.1





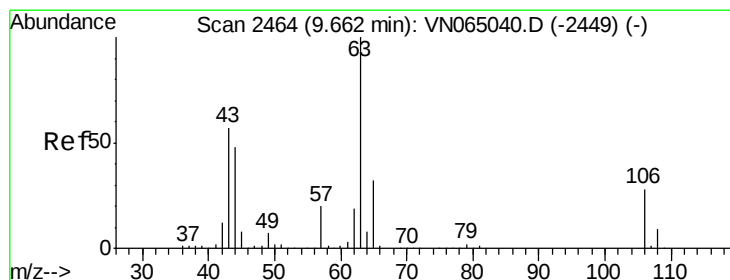
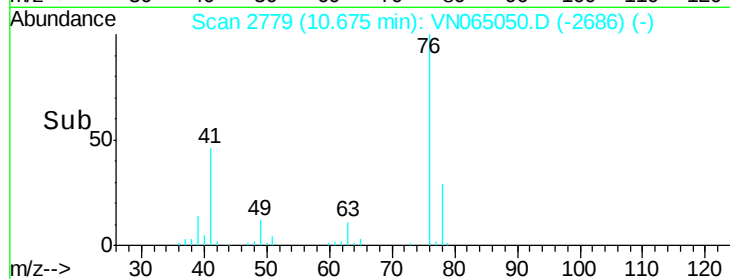
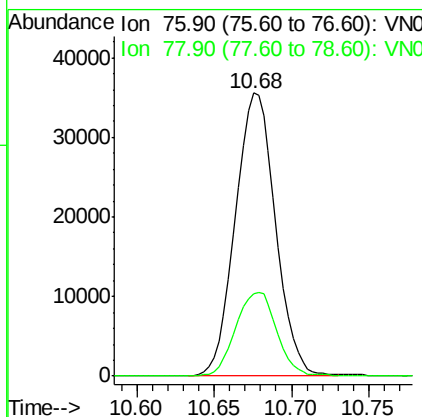
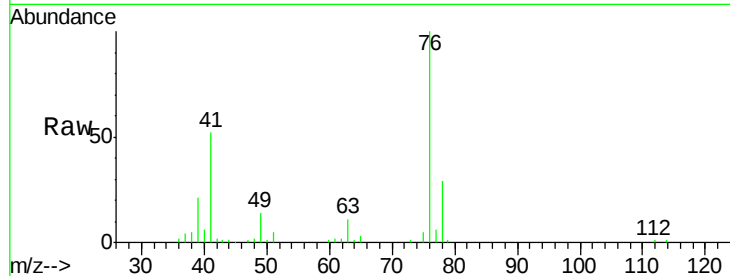
#57
 1,3-Dichloropropane
 Concen: 18.497 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion: 76 Resp: 64325
 Ion Ratio Lower Upper
 76 100
 78 30.2 26.5 39.7

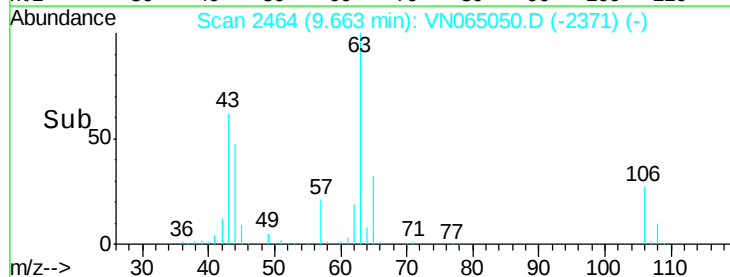
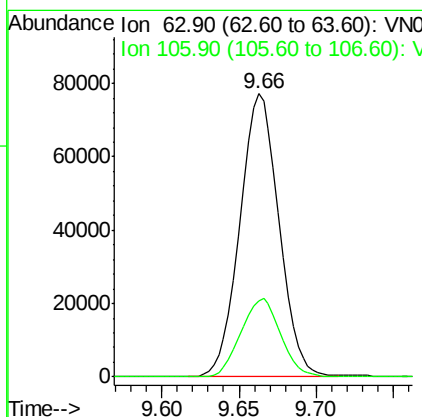
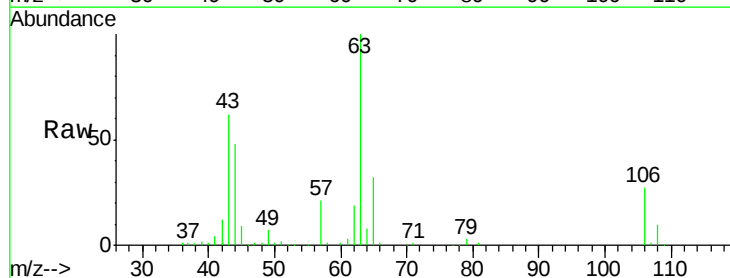
Manual Integrations
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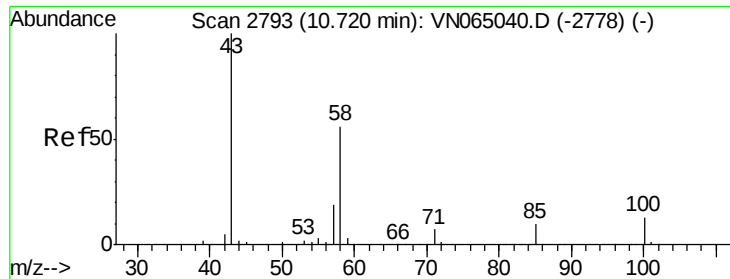
MMDadoda
 12/11/2020 12:32:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.449 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion: 63 Resp: 136029
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.6 33.8





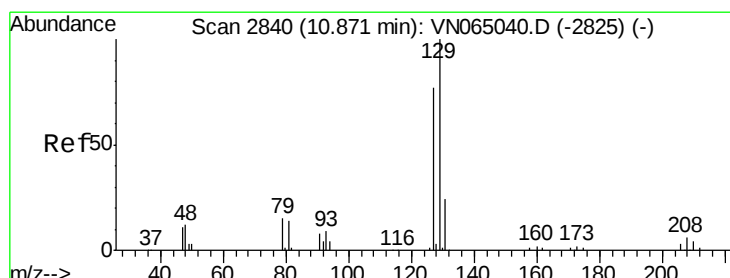
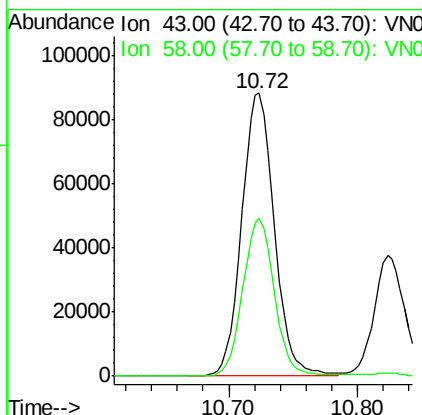
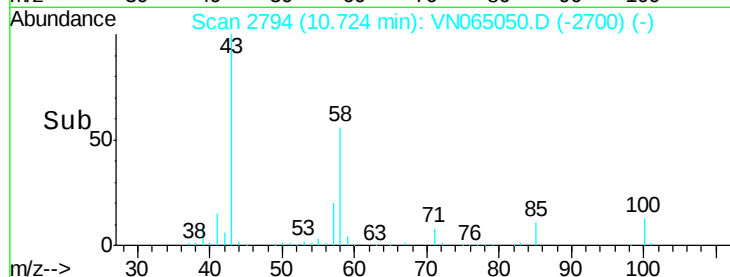
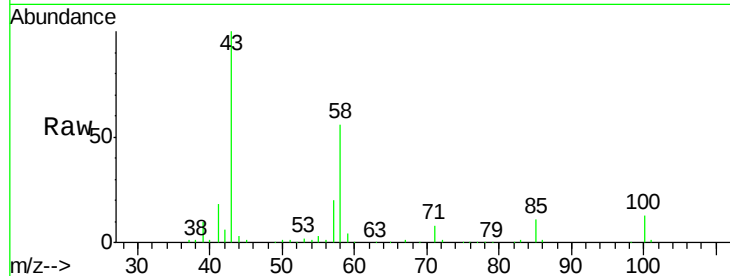
#59
2-Hexanone
Concen: 89.888 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 43 Resp: 153914
Ion Ratio Lower Upper
43 100
58 54.2 28.3 84.9

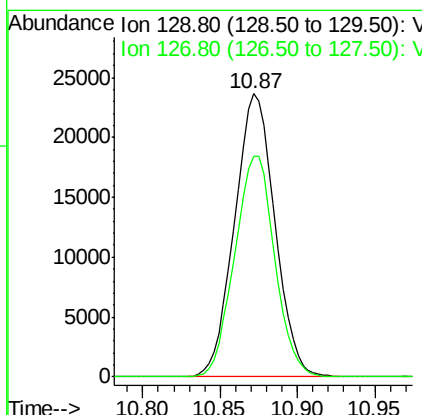
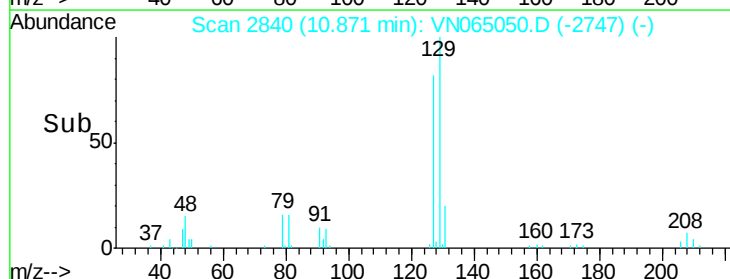
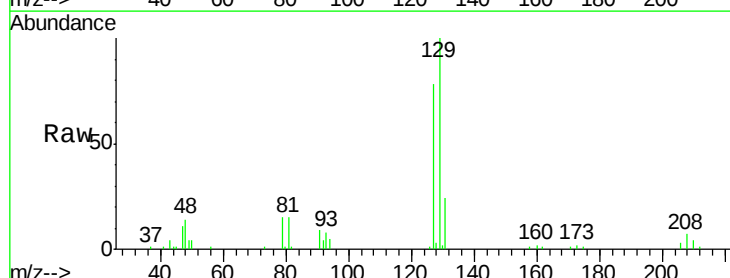
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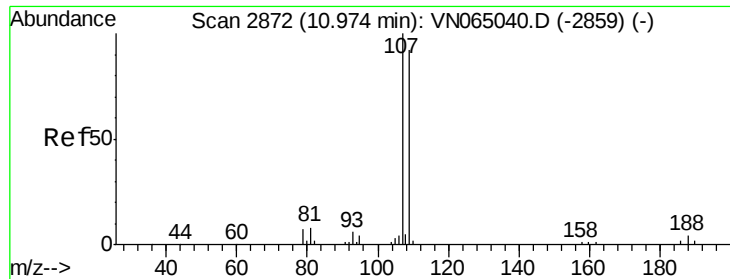
MMDadoda
12/11/2020 12:32:44 PM



#60
Dibromochloromethane
Concen: 17.869 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion: 129 Resp: 42974
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 17.634 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 107 Resp: 37312

Ion Ratio Lower Upper

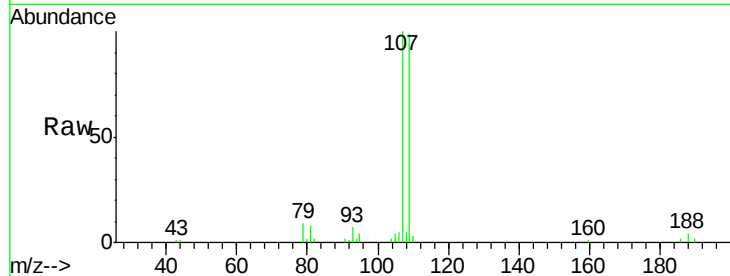
107 100

109 97.7 74.1 111.1

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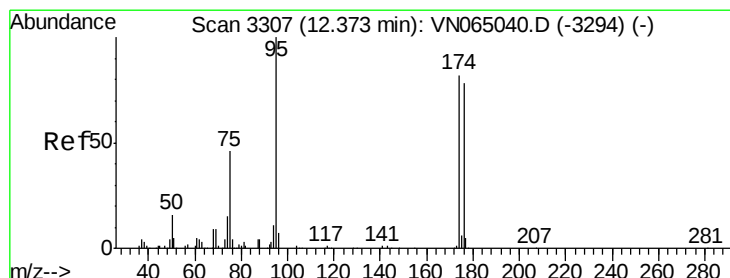
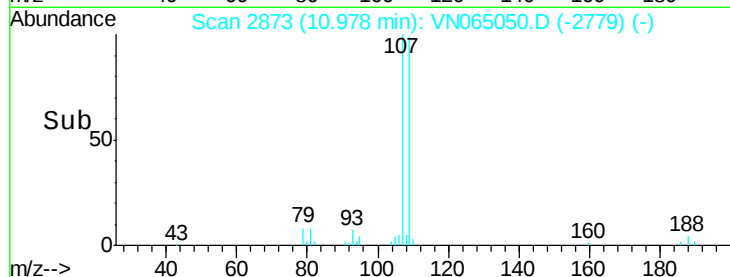
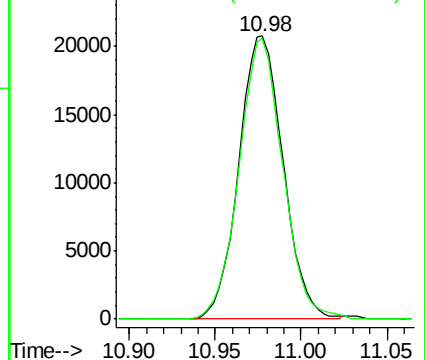
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.973 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

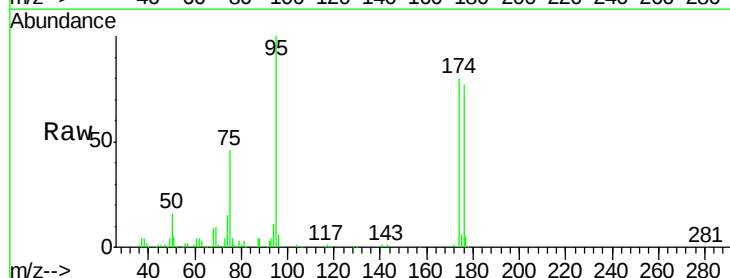
Tgt Ion: 95 Resp: 128701

Ion Ratio Lower Upper

95 100

174 81.4 0.0 164.8

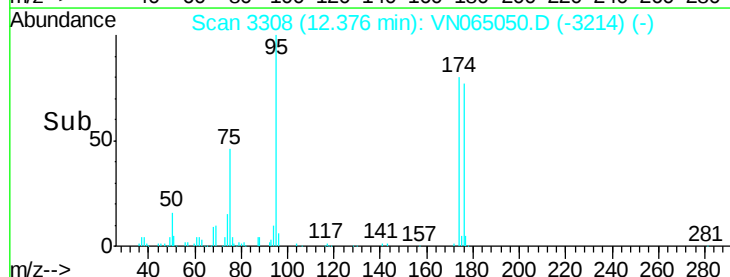
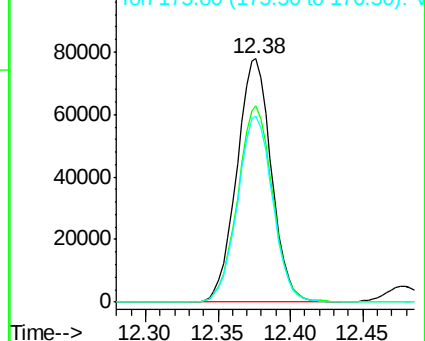
176 77.6 0.0 158.8

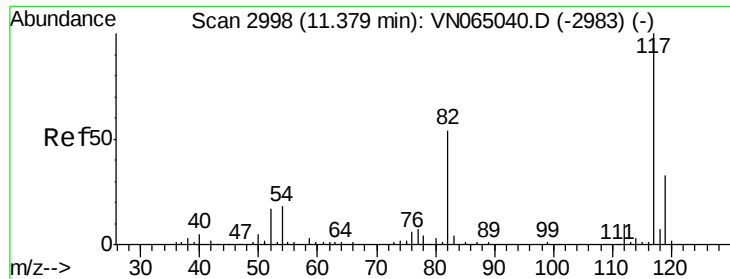


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





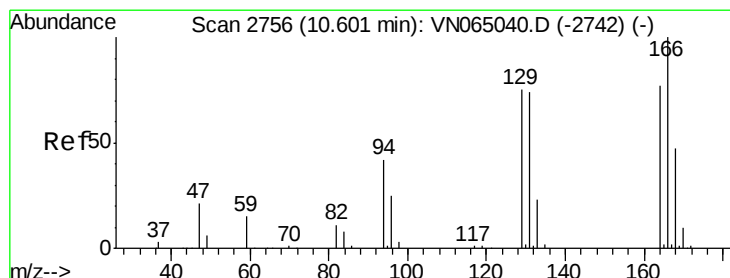
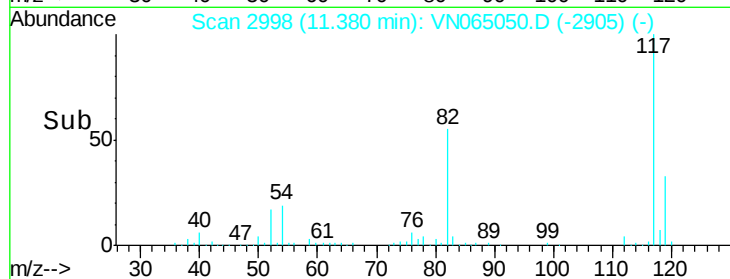
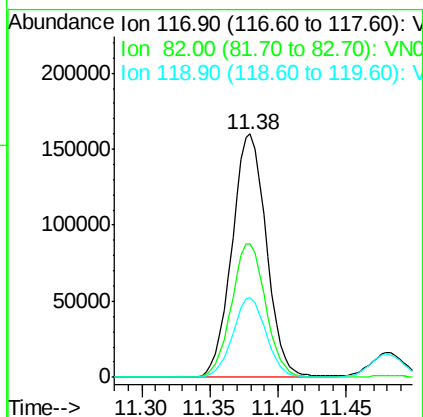
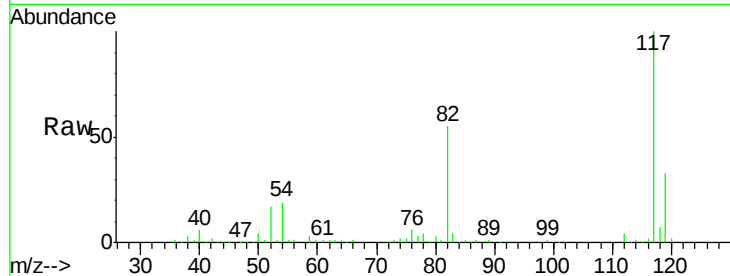
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.5	65.3
119	32.8	26.4	39.6

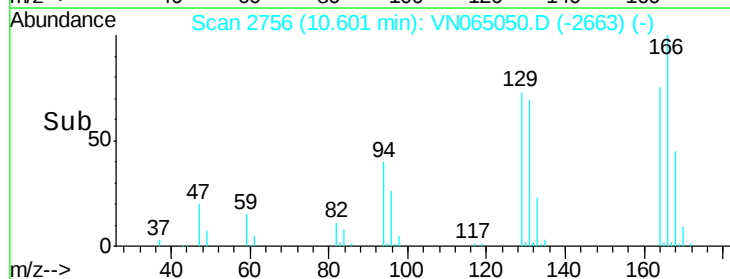
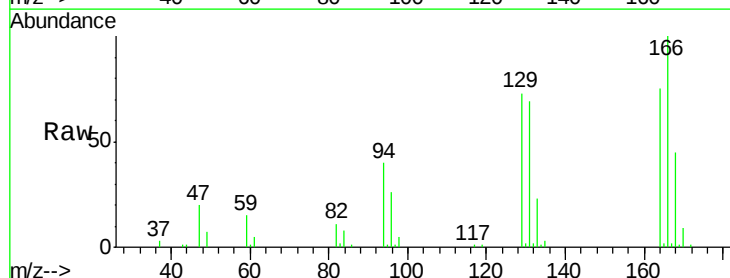
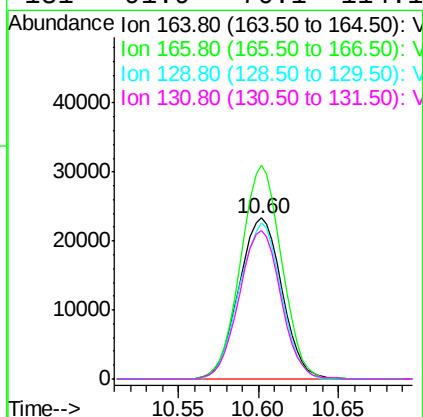
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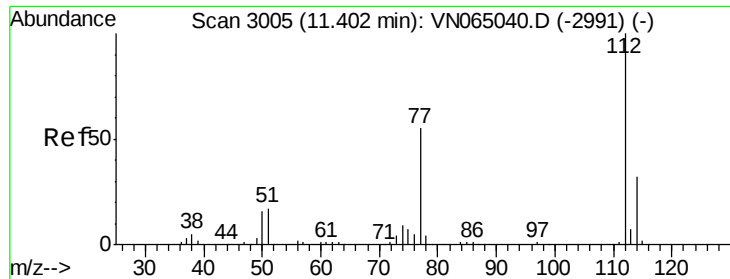
MMDadoda
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#64
Tetrachloroethene
Concen: 17.969 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	103.3	154.9
129	96.9	77.0	115.4
131	91.9	76.1	114.1





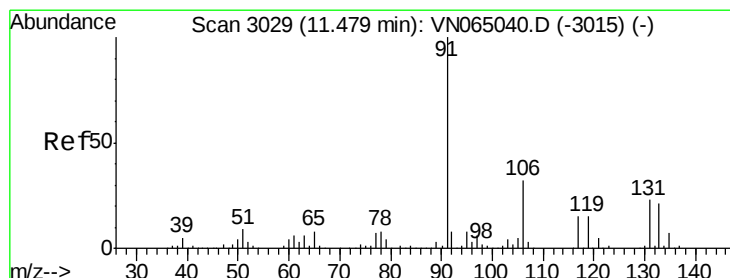
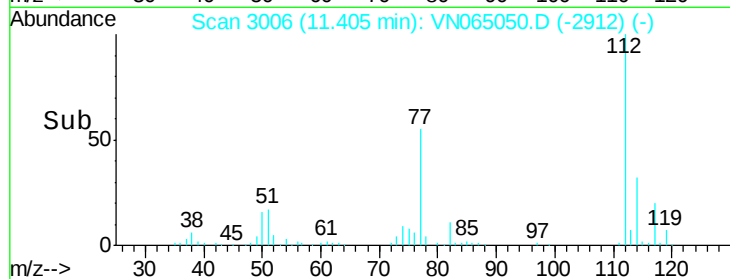
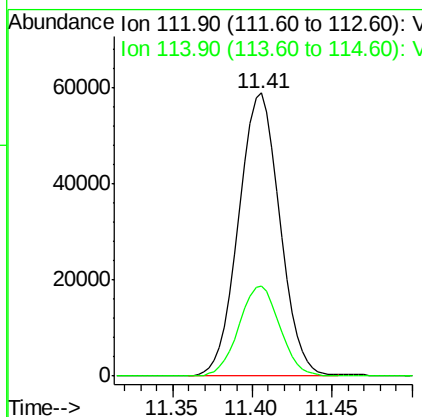
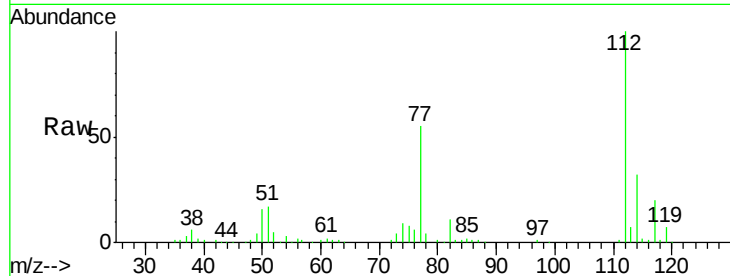
#65
Chlorobenzene
Concen: 18.068 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion:112 Resp: 103797
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

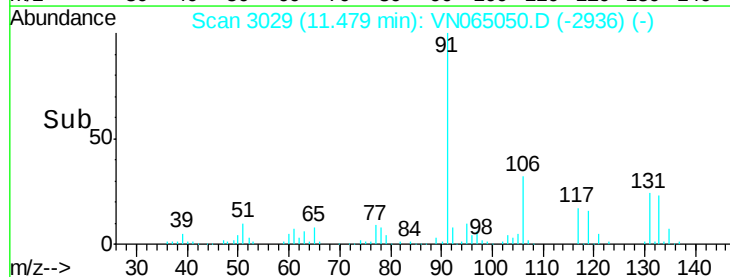
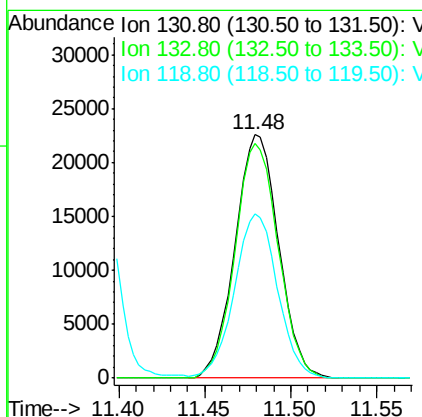
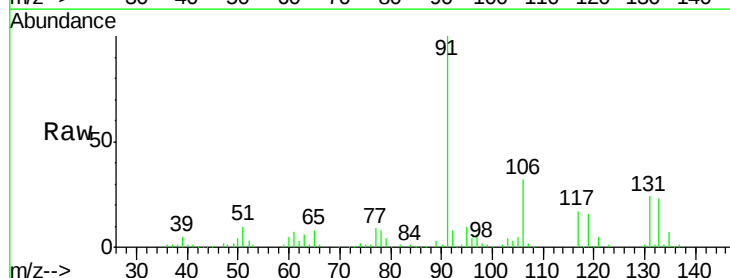
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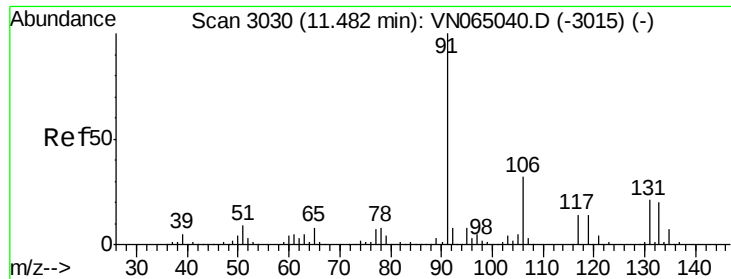
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.038 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion:131 Resp: 39833
Ion Ratio Lower Upper
131 100
133 95.5 48.7 146.1
119 66.8 33.2 99.6





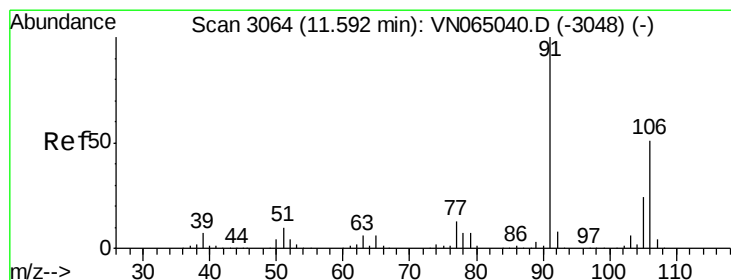
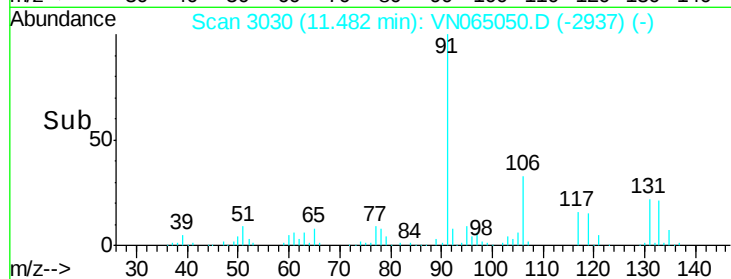
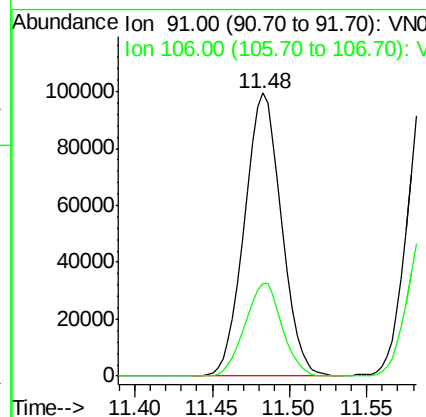
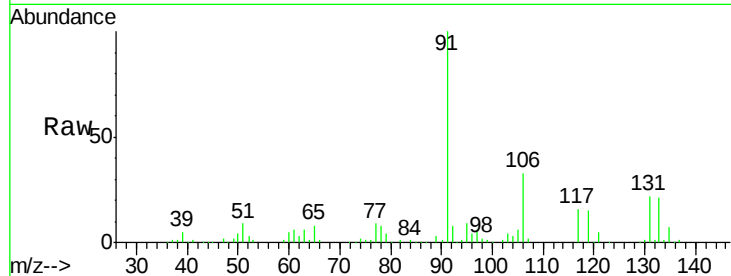
#67
Ethyl Benzene
Concen: 17.295 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 91 Resp: 165769
Ion Ratio Lower Upper
91 100
106 32.9 25.7 38.5

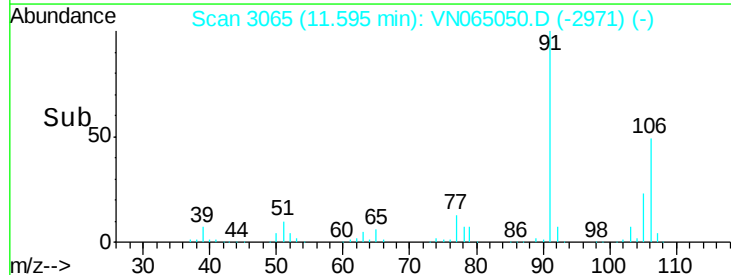
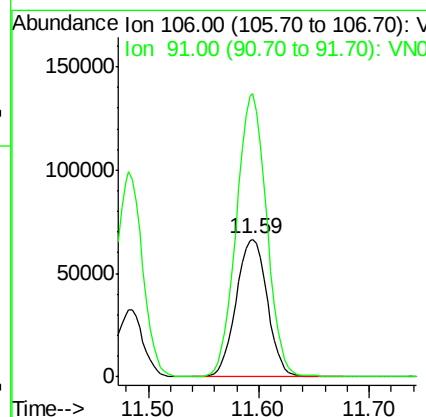
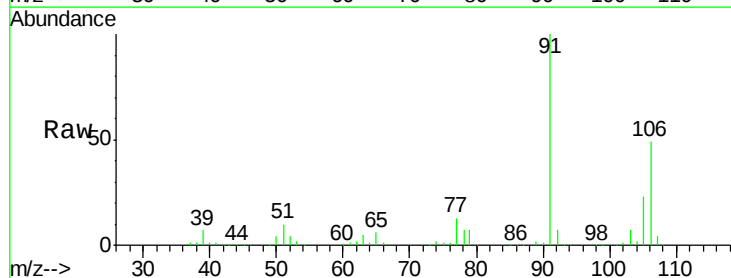
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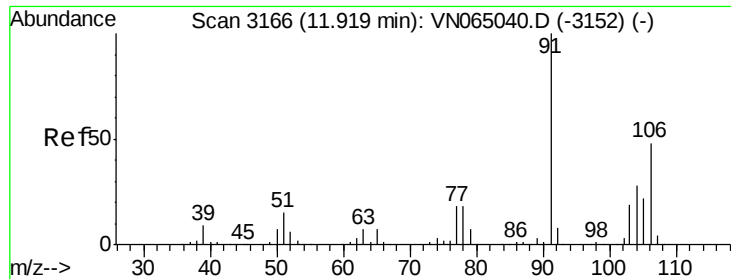
MMDadoda
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#68
m/p-Xylenes
Concen: 35.169 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion: 106 Resp: 130643
Ion Ratio Lower Upper
106 100
91 200.3 157.0 235.6





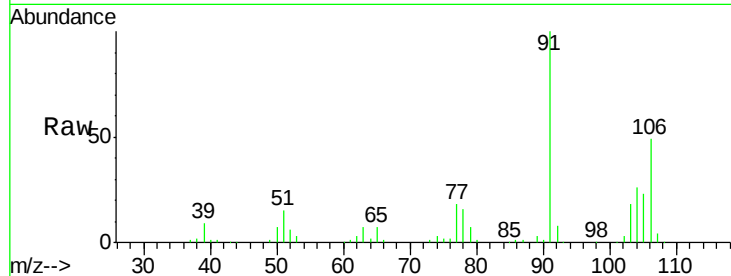
#69
o-Xylene
Concen: 17.716 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

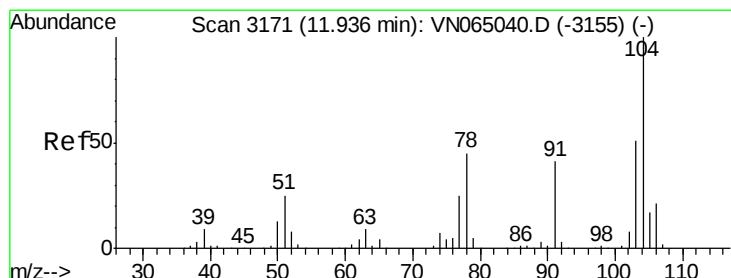
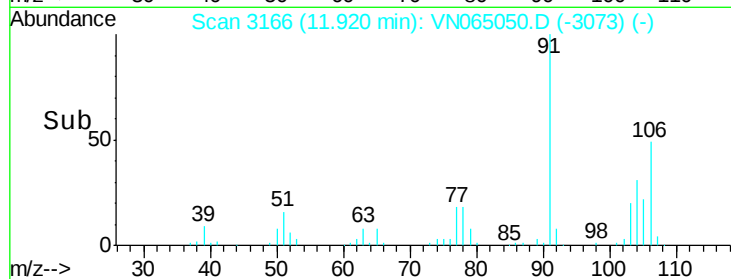
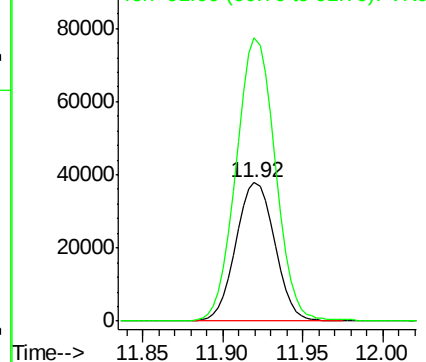
Tot Ion:106 Resp: 62808
Ion Ratio Lower Upper
106 100
91 205.6 104.1 312.3

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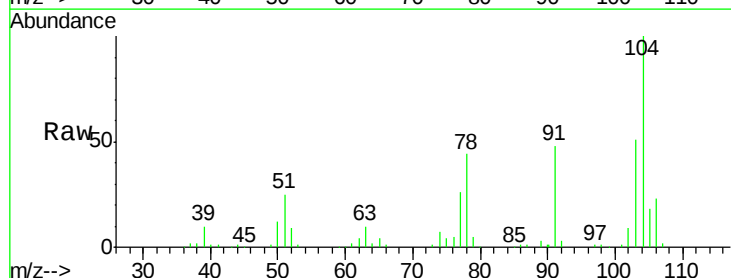


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

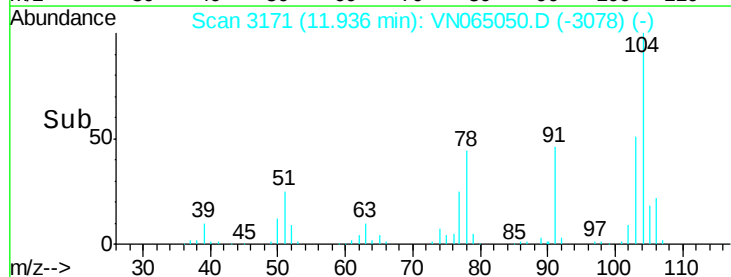
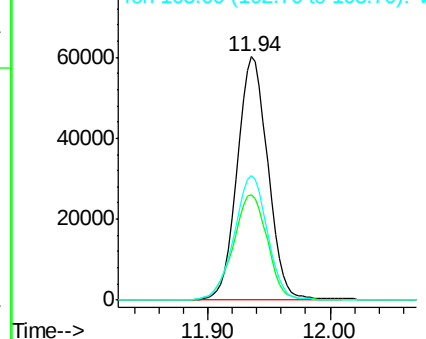


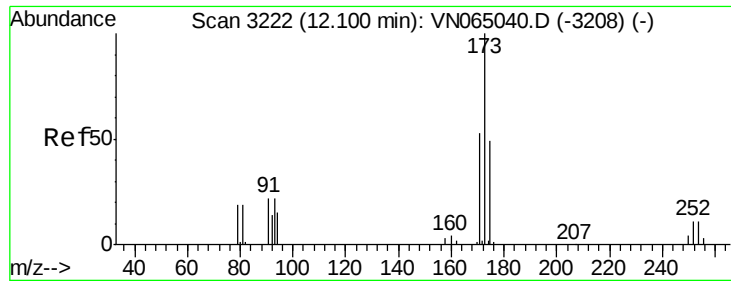
#70
Styrene
Concen: 17.583 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion:104 Resp: 105430
Ion Ratio Lower Upper
104 100
78 48.1 38.7 58.1
103 55.3 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.609 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:173 Resp: 29535

Ion Ratio Lower Upper

173 100

175 49.7 24.5 73.5

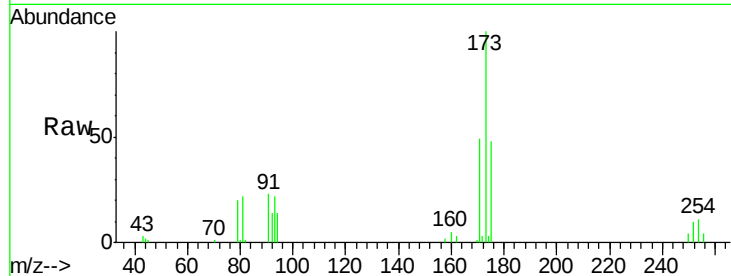
254 0.0 0.0 0.0

Manual Integrations

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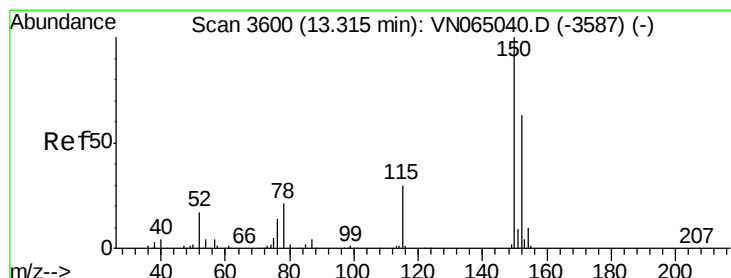
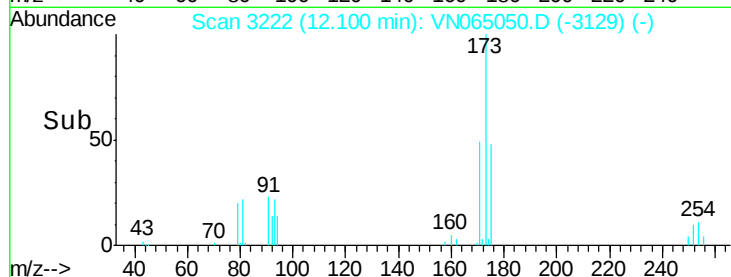
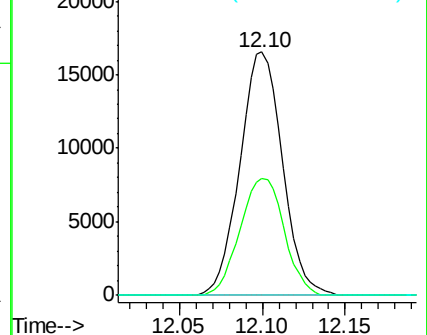
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

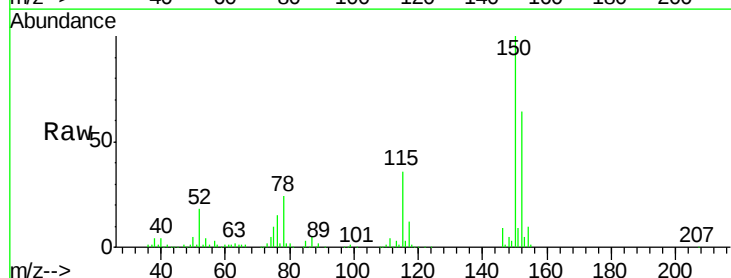
Tgt Ion:152 Resp: 134666

Ion Ratio Lower Upper

152 100

115 57.1 29.3 88.0

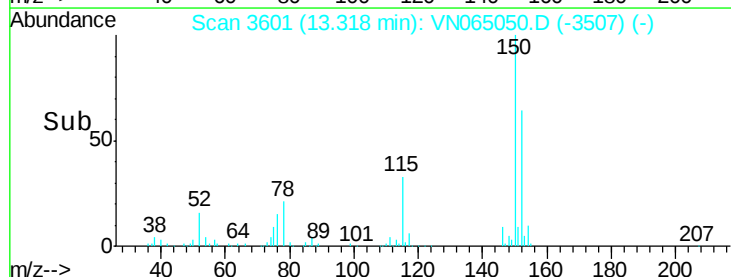
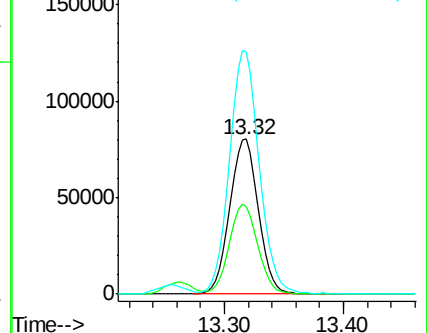
150 160.9 0.0 345.8

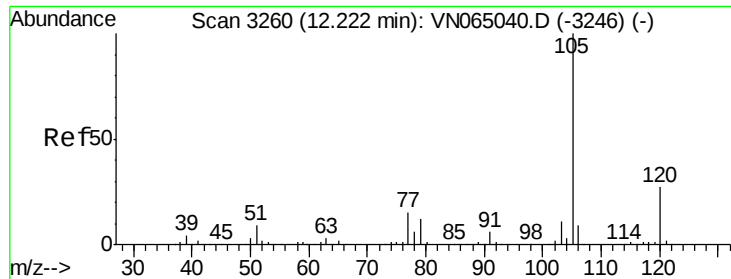


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.207 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 105 Resp: 163039

Ion Ratio Lower Upper

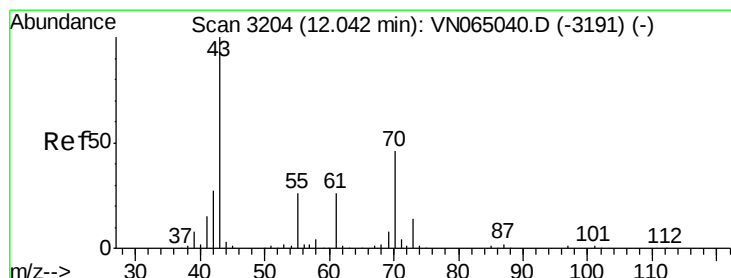
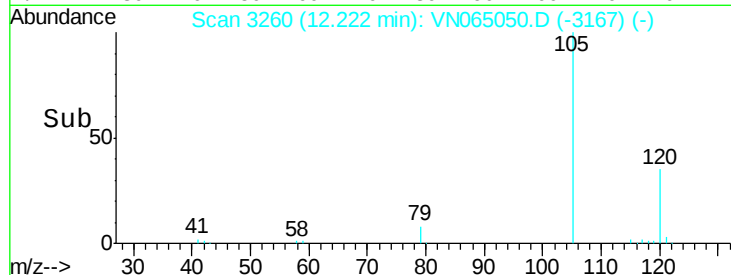
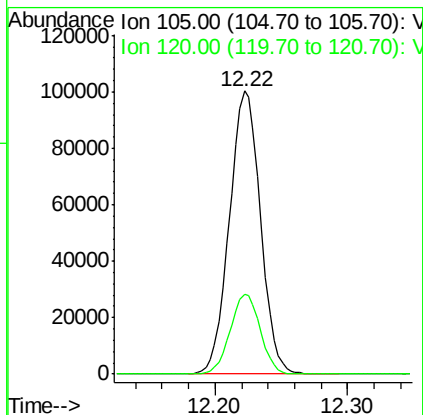
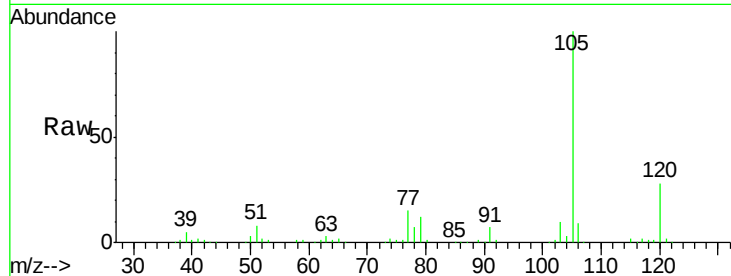
105 100

120 27.3 13.4 40.2

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12/11/2020 12:32:44 PM



#74

N-ethyl acetate

Concen: 18.229 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion: 43 Resp: 58799

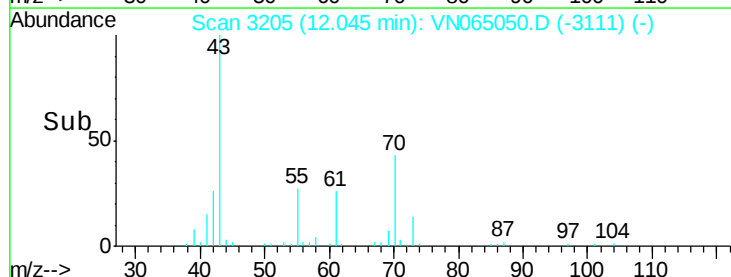
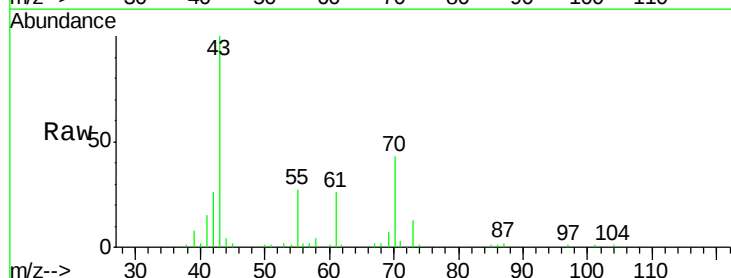
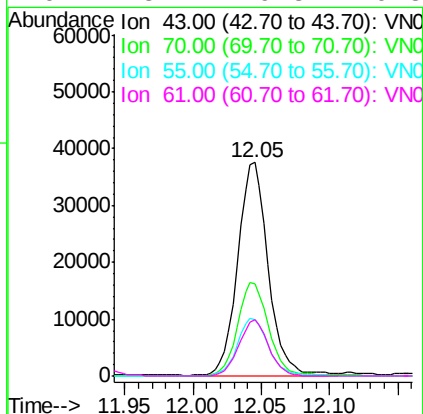
Ion Ratio Lower Upper

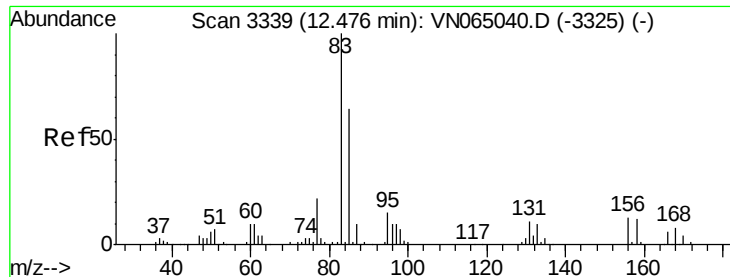
43 100

70 44.2 36.2 54.2

55 27.5 21.4 32.0

61 25.2 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.737 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

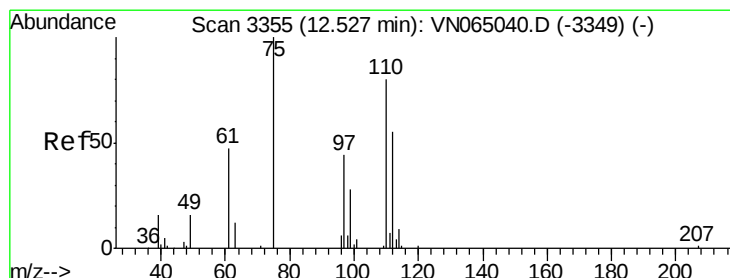
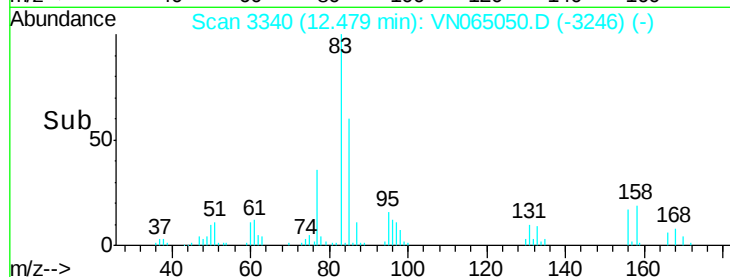
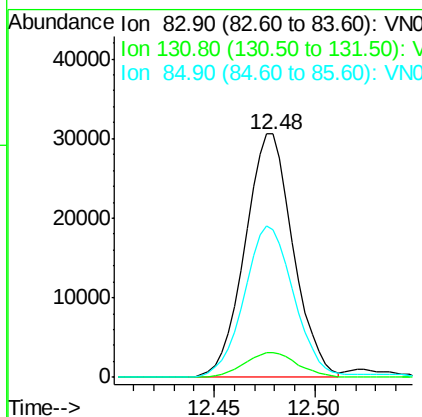
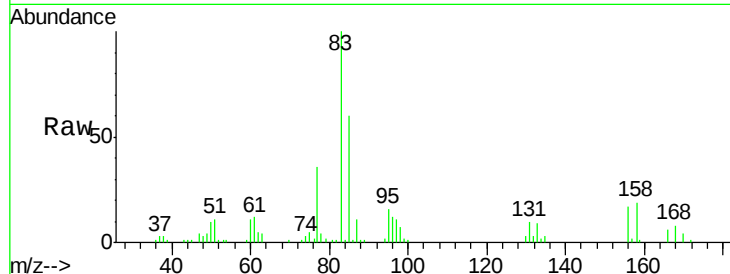
ClientSampleId :

VN1210WBS01

Tot Ion:	83	Resp:	50961
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	64.1	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 19.336 ug/l m

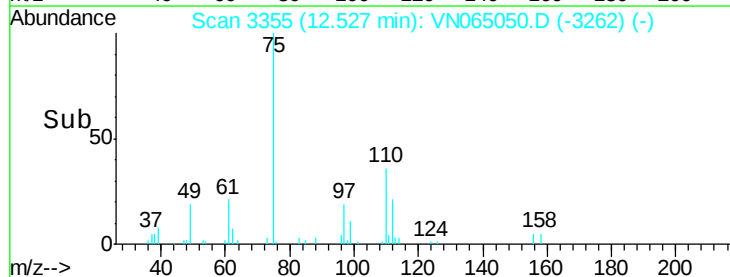
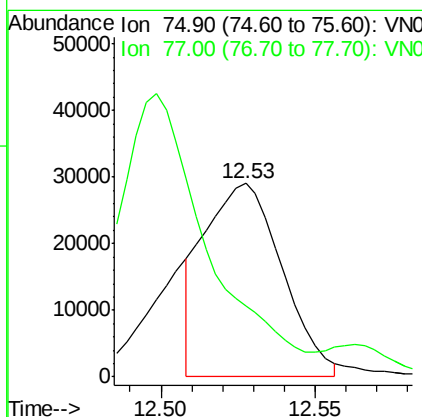
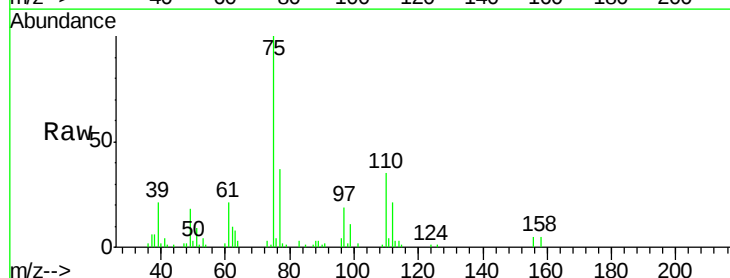
RT: 12.53 min Scan# 3355

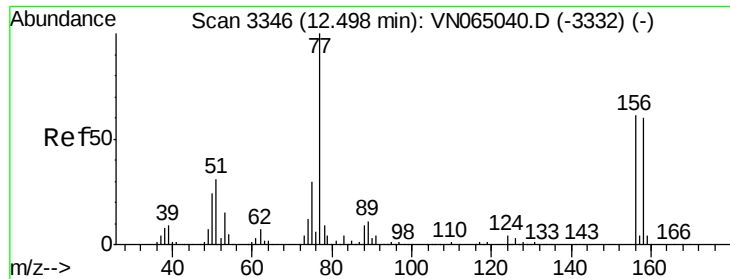
Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion:	75	Resp:	50722
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.544 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

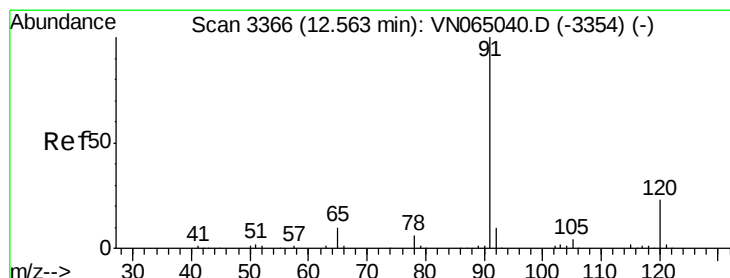
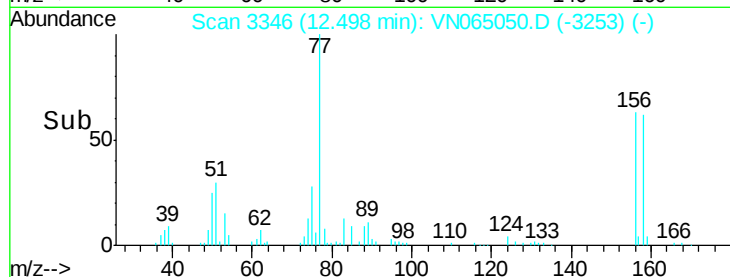
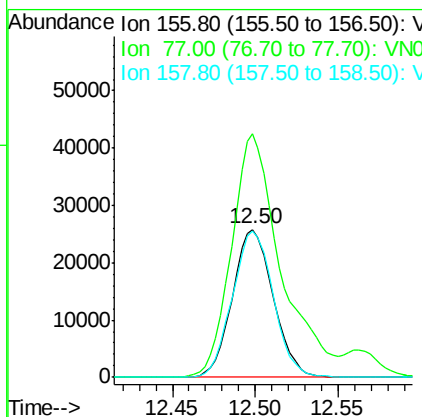
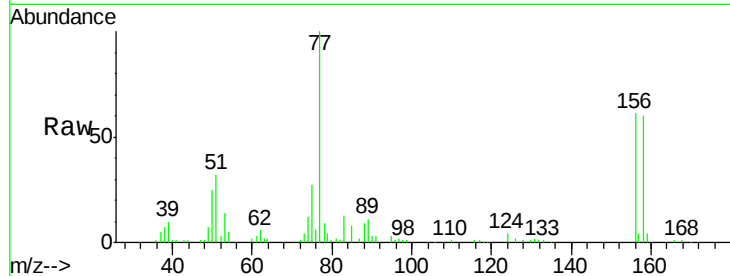
ClientSampleId :

VN1210WBS01

Tot Ion:	156	Resp:	44159
Ion	Ratio	Lower	Upper
156	100		
77	199.4	99.3	297.8
158	99.3	49.0	147.0

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#78

n-propylbenzene

Concen: 17.986 ug/l

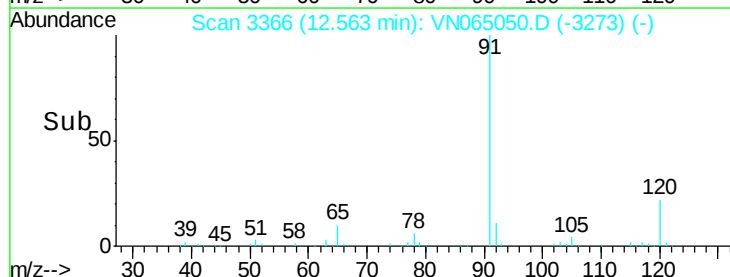
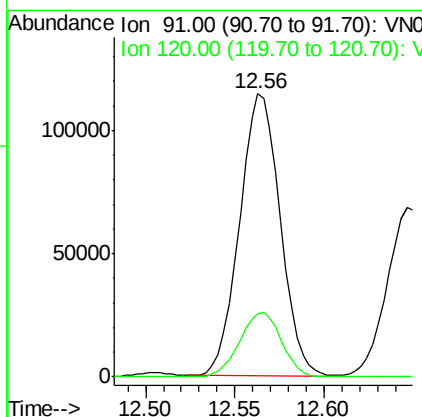
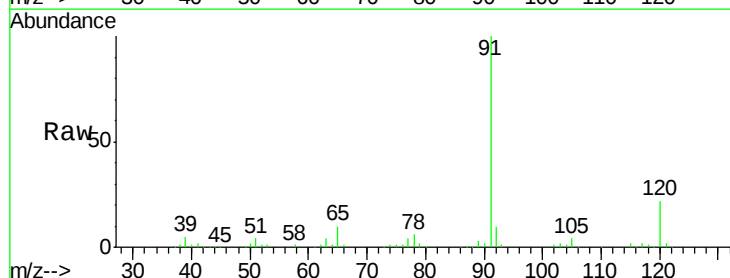
RT: 12.56 min Scan# 3366

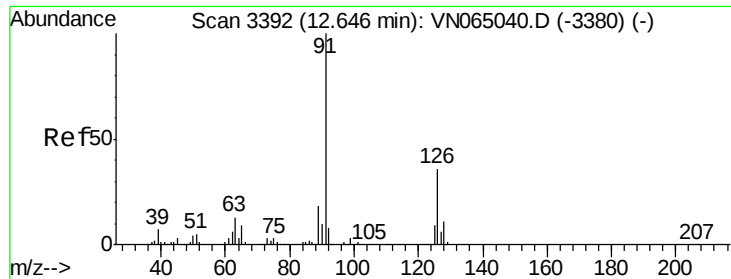
Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion:	91	Resp:	181676
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.9





#79

2-Chlorotoluene

Concen: 18.377 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 91 Resp: 113536

Ion Ratio Lower Upper

91 100

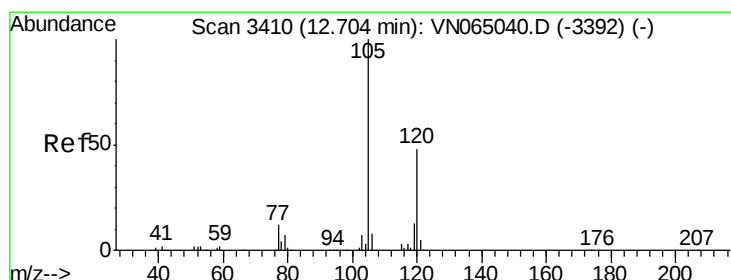
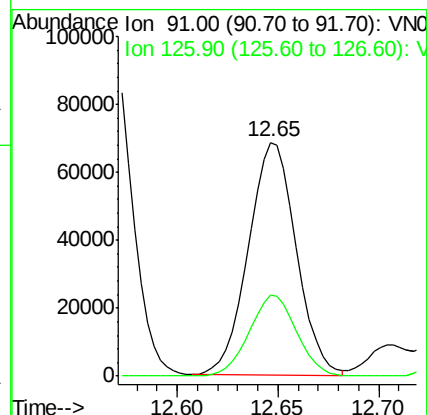
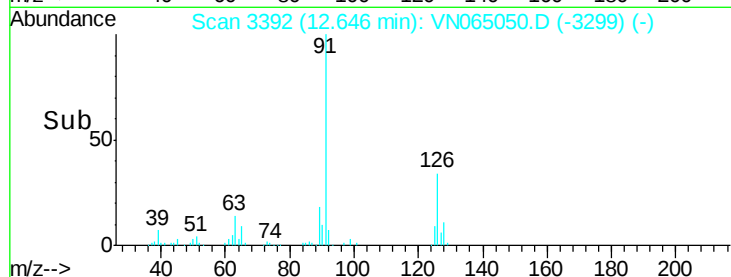
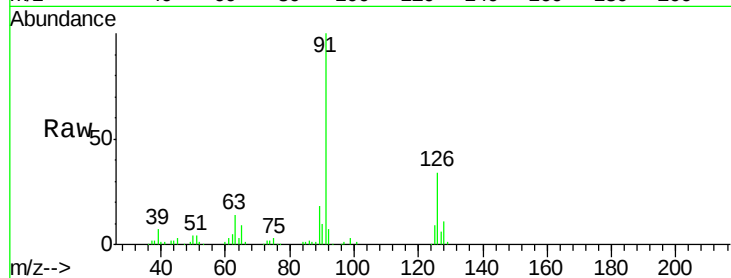
126 34.6 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.536 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN065050.D

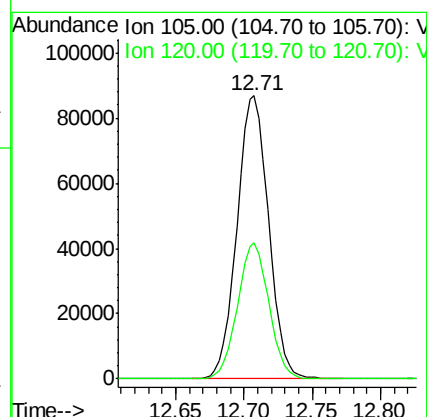
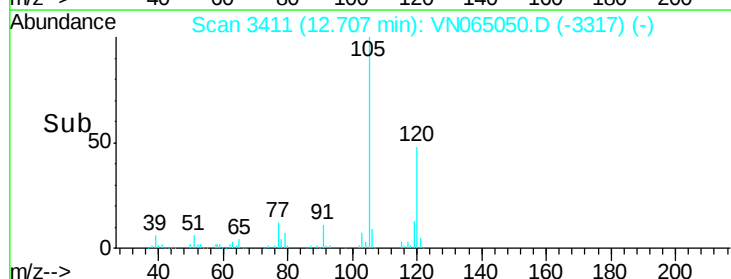
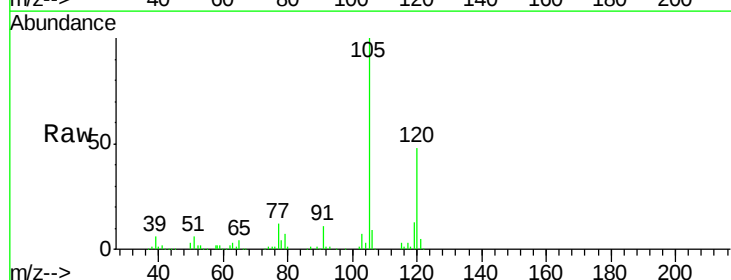
Acq: 10 Dec 2020 18:31

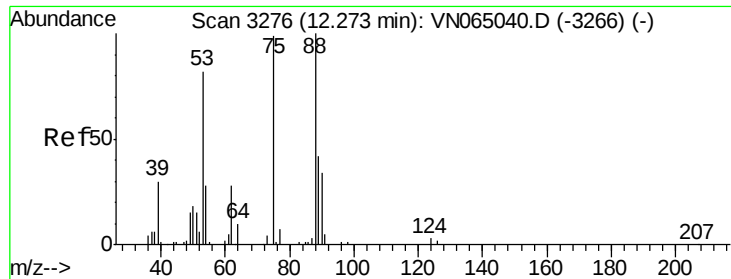
Tgt Ion: 105 Resp: 139677

Ion Ratio Lower Upper

105 100

120 47.4 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.727 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

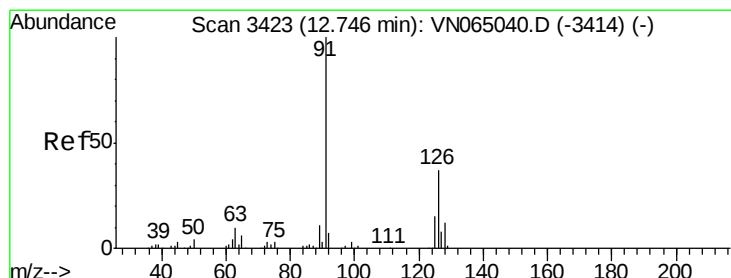
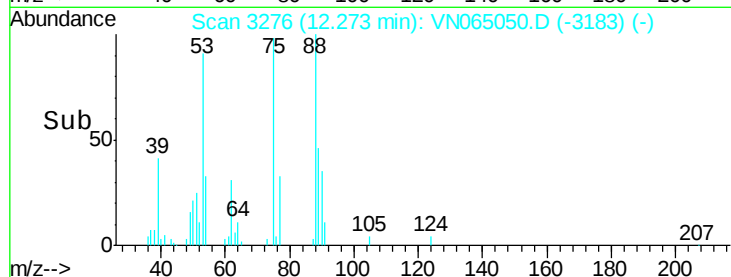
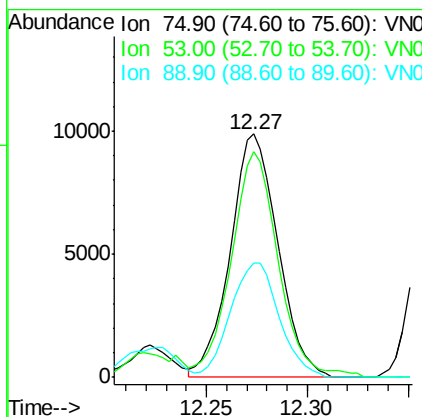
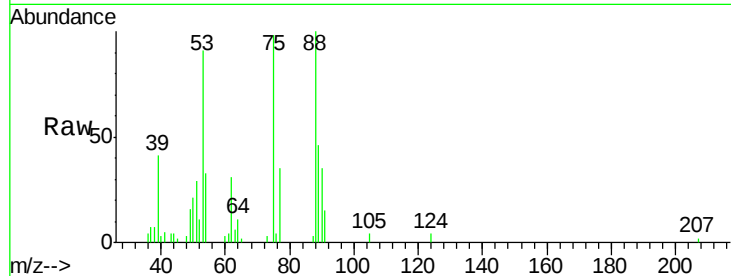
ClientSampleId :

VN1210WBS01

Tot Ion:	75	Resp:	16337
Ion	Ratio	Lower	Upper
75	100		
53	91.6	68.6	103.0
89	48.0	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.359 ug/l

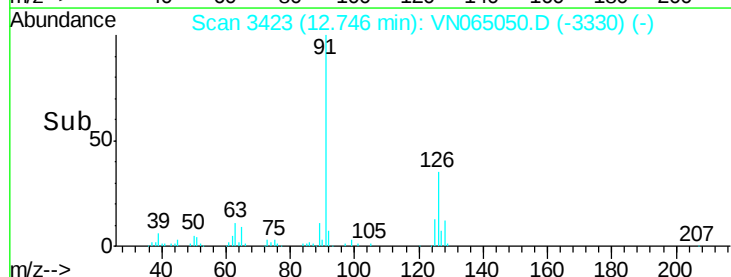
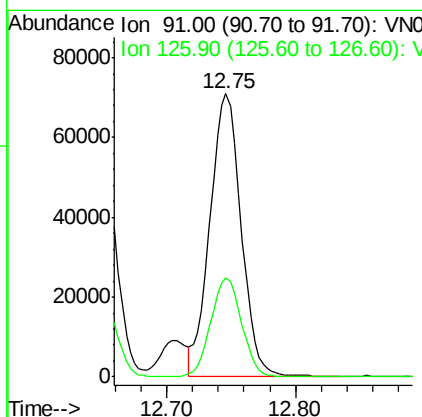
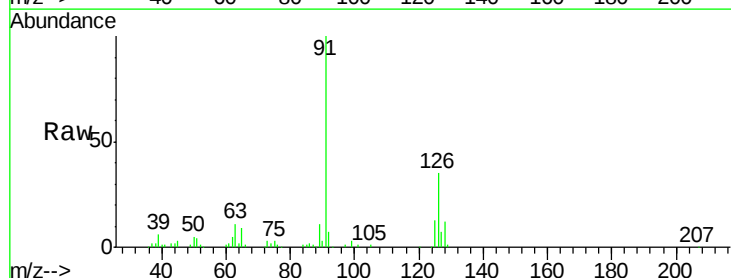
RT: 12.75 min Scan# 3423

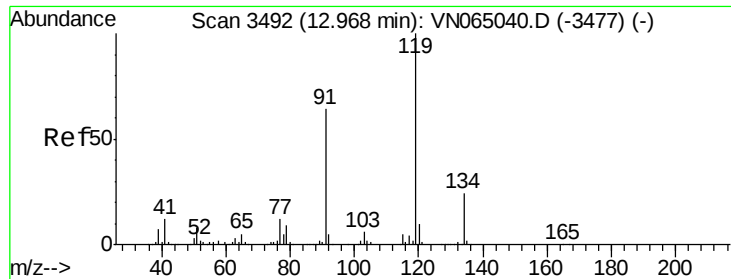
Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Tgt Ion:	91	Resp:	119544
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	52.0





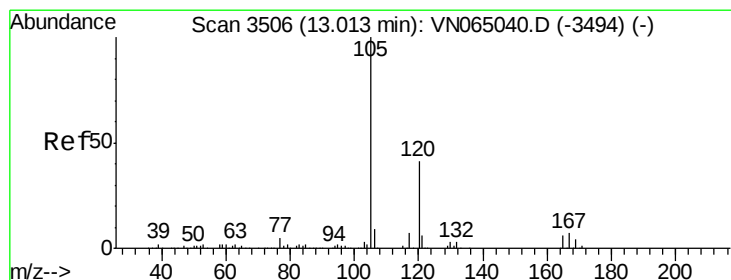
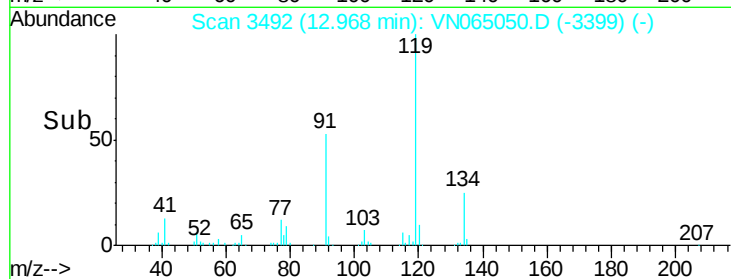
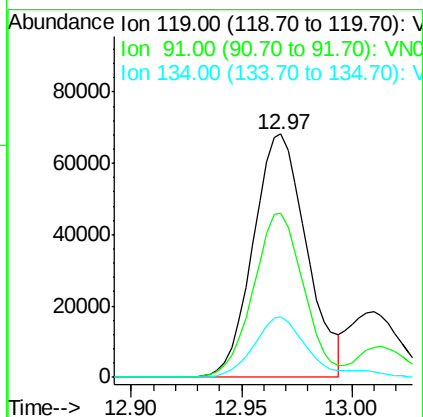
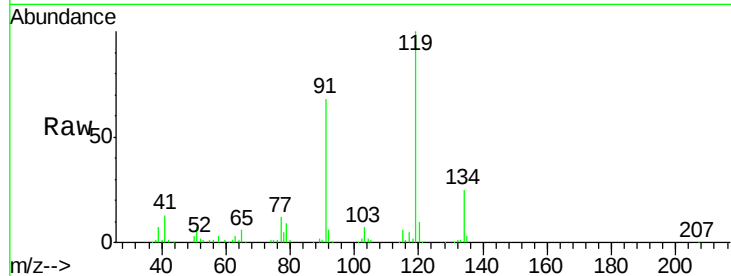
#83
 tert-Butylbenzene
 Concen: 18.425 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	114595		
91	63.5		31.1	93.5
134	23.9		12.6	37.6

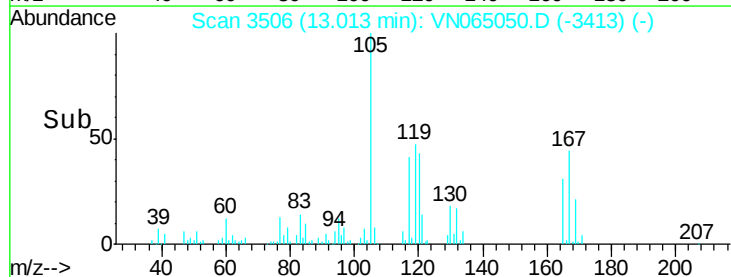
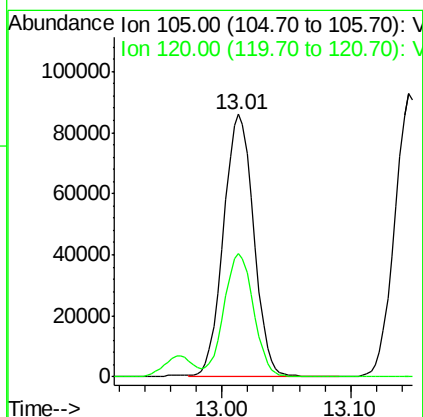
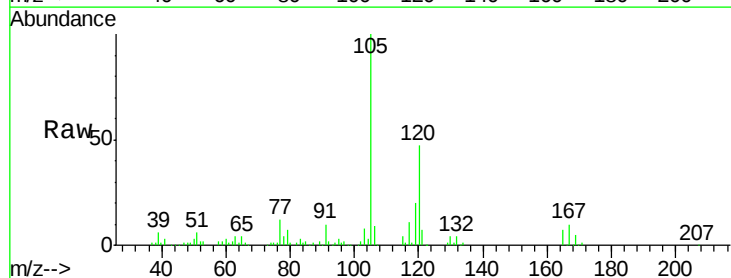
Manual Integrations
 APPROVED

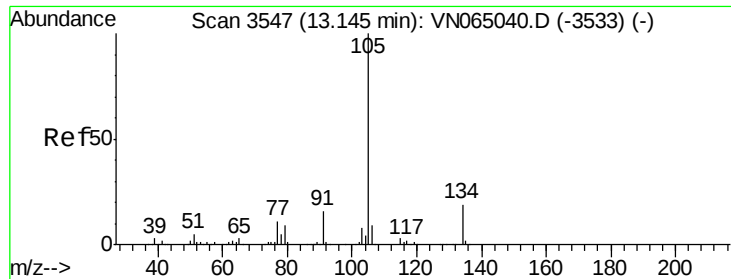
MMDadoda
 12/11/2020 12:32:44 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.394 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139937		
120	46.2		23.1	69.2





#85

sec-Butylbenzene

Concen: 17.957 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:105 Resp: 145540

Ion Ratio Lower Upper

105 100

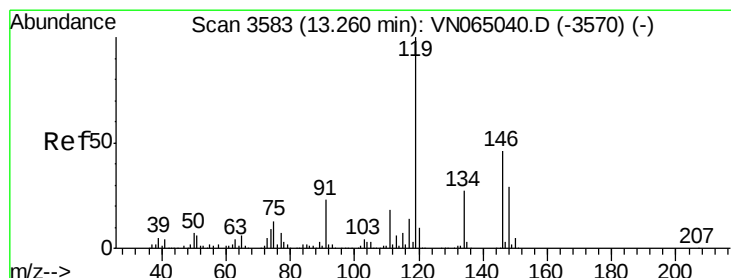
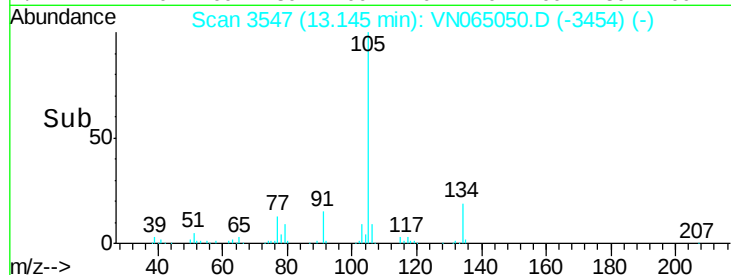
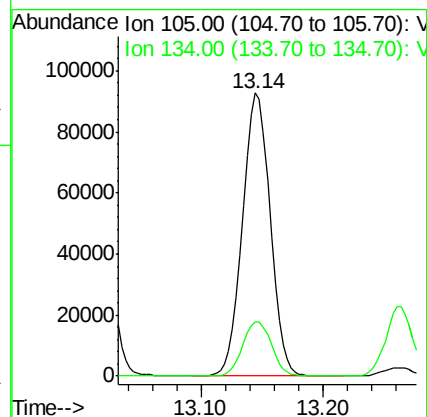
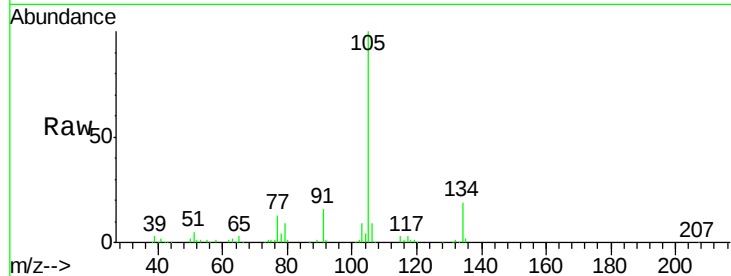
134 20.0 9.8 29.5

Manual Integrations

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12/11/2020 12:32:44 PM



#86

p-Isopropyltoluene

Concen: 17.874 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN065050.D

Acq: 10 Dec 2020 18:31

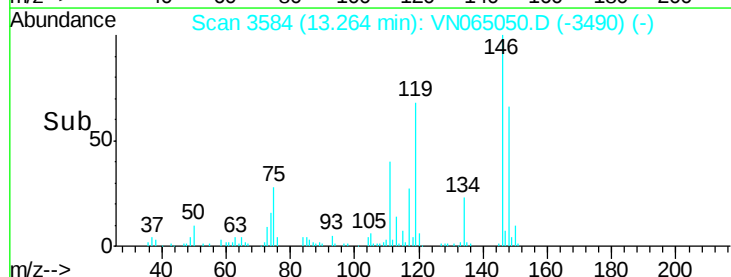
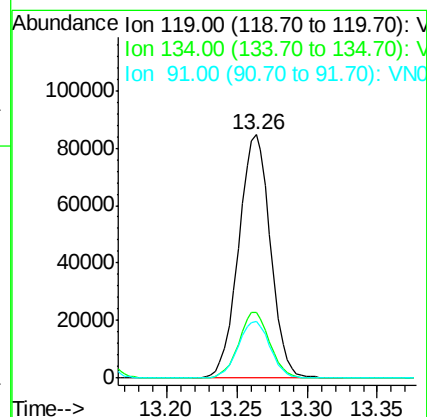
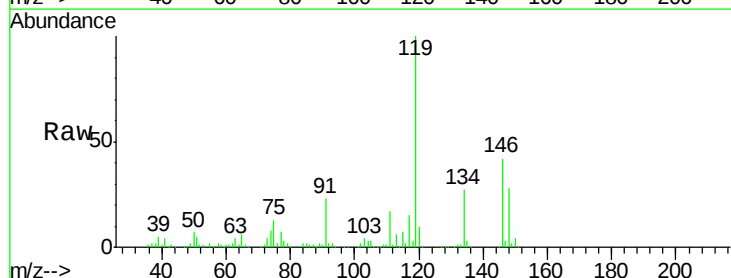
Tgt Ion:119 Resp: 133487

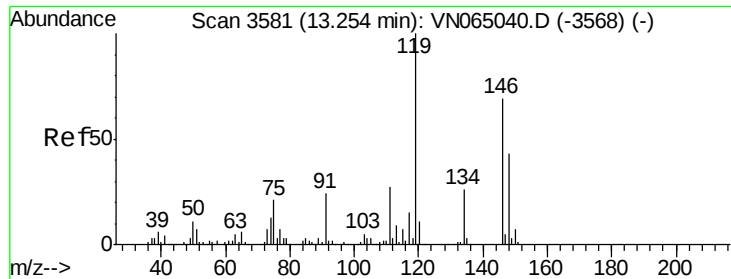
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 23.5 11.5 34.4





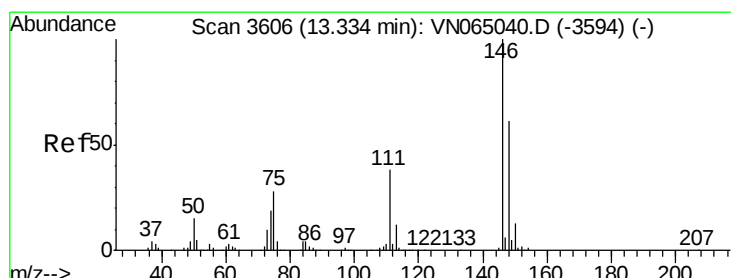
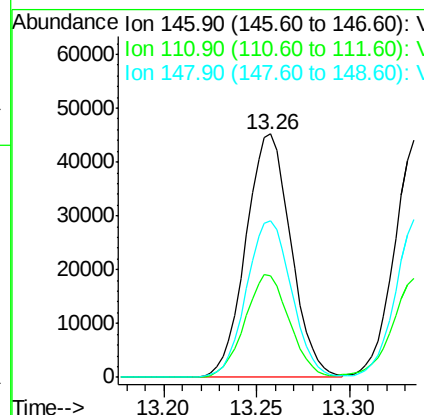
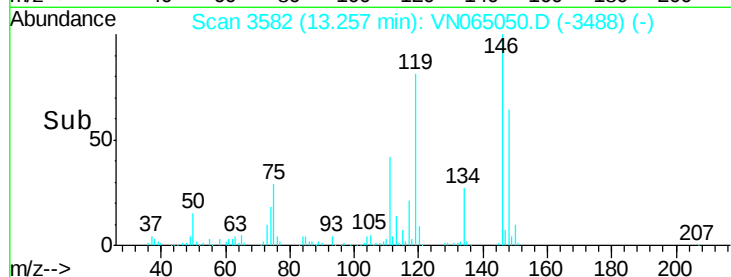
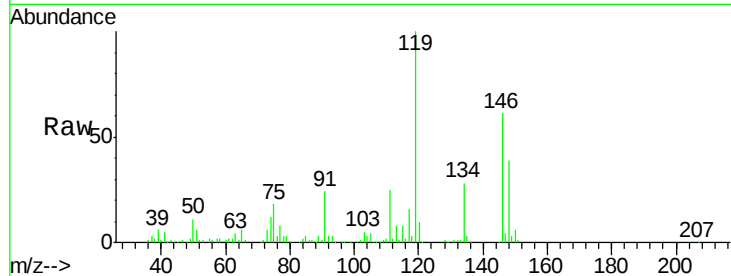
#87
 1,3-Dichlorobenzene
 Concen: 17.972 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.0	59.9
148	64.5	31.6	94.7

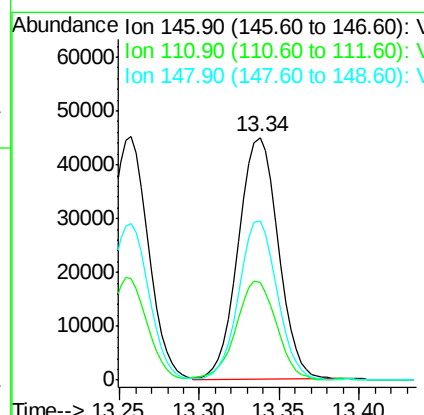
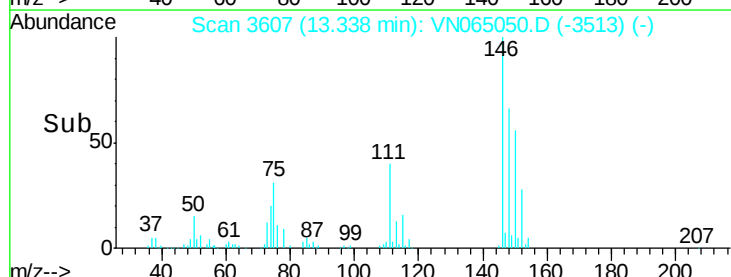
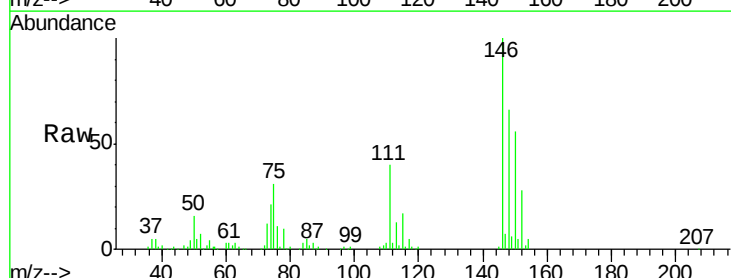
Manual Integrations
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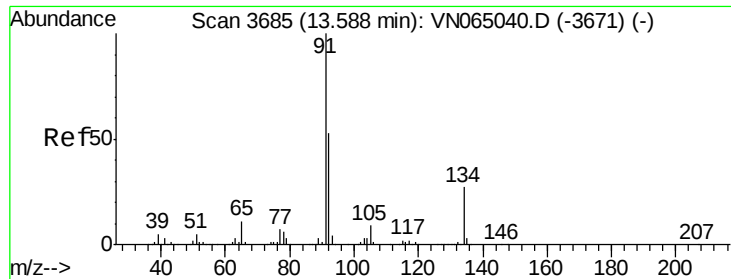
MMDadoda
 12/11/2020 12:32:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.847 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.2	57.6
148	63.5	31.1	93.3





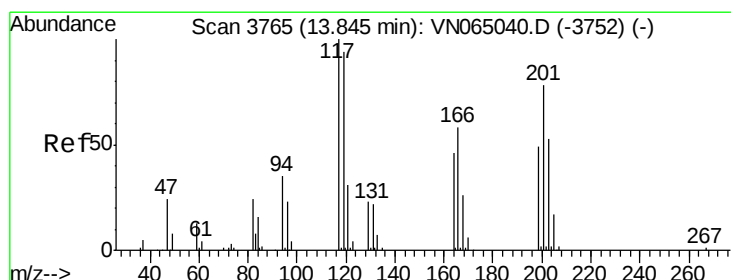
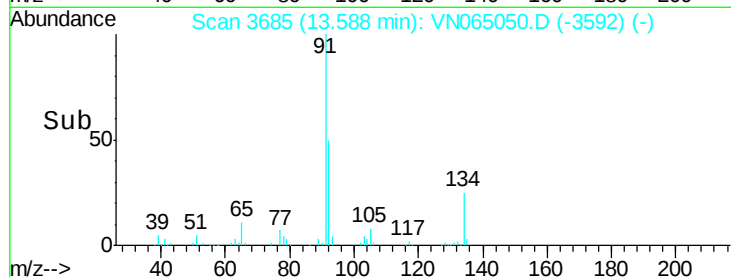
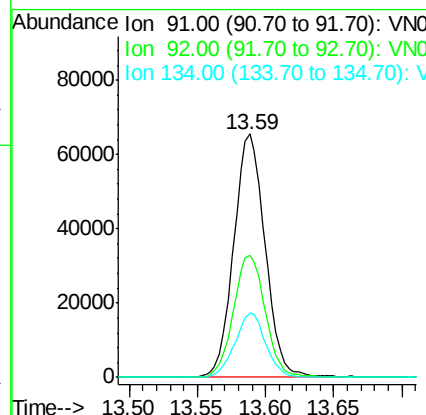
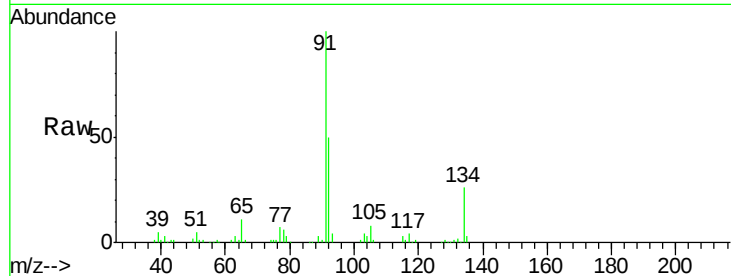
#89
n-Butylbenzene
Concen: 17.054 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.8
134	25.9	13.2	39.6

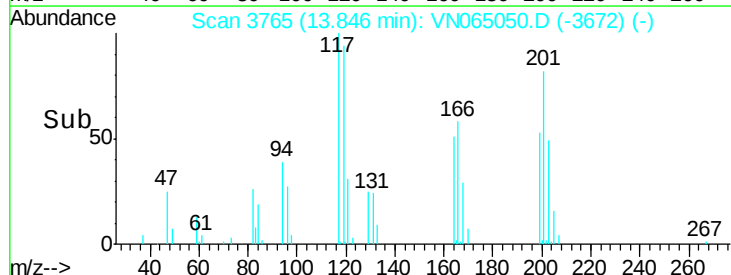
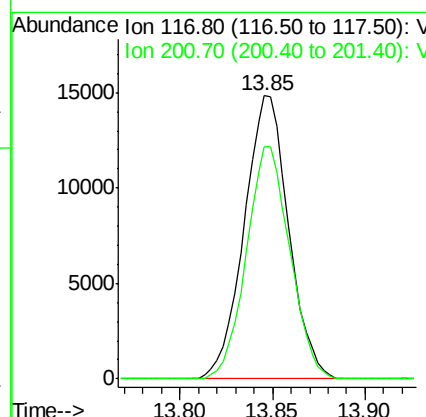
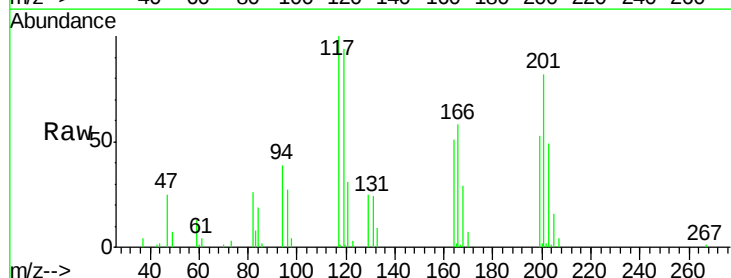
Manual Integrations
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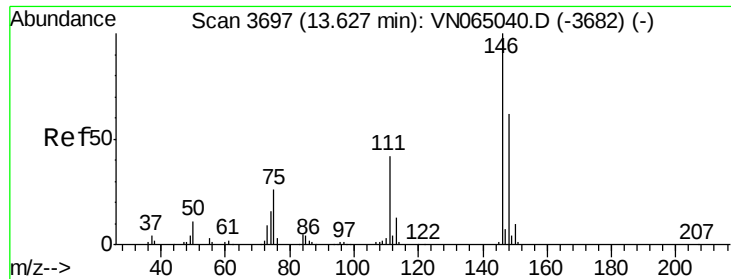
MMDadoda
12/11/2020 12:32:44 PM



#90
Hexachloroethane
Concen: 18.200 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.5	118.3





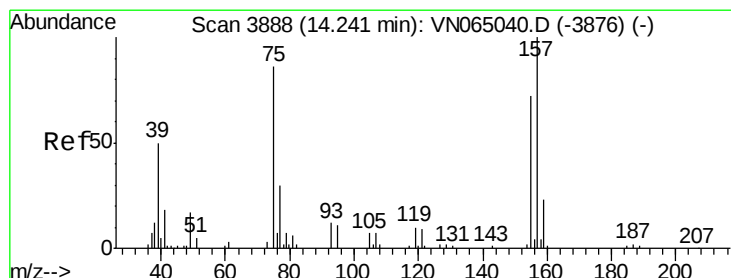
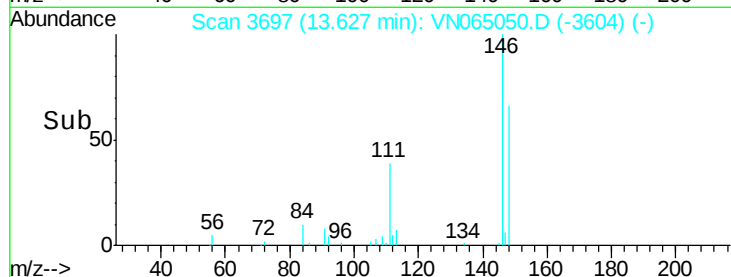
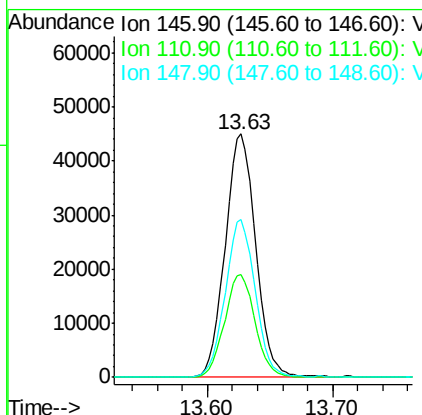
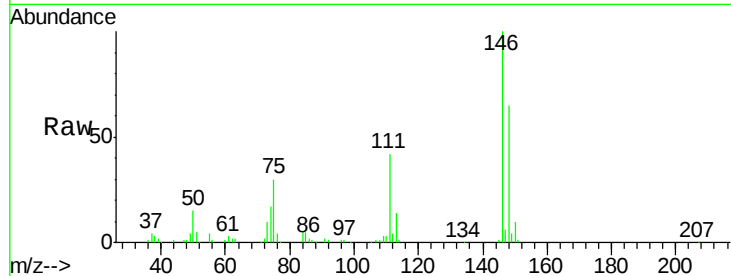
#91
 1,2-Dichlorobenzene
 Concen: 18.043 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.6	31.7	95.1

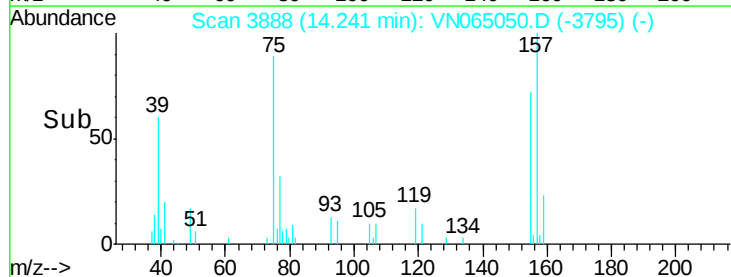
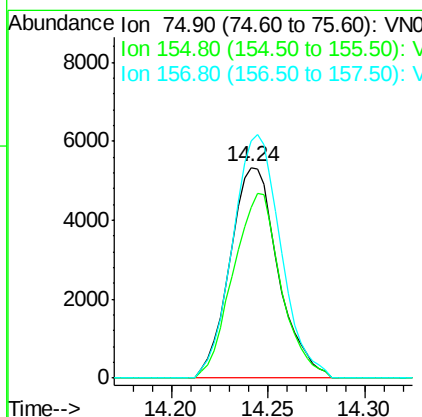
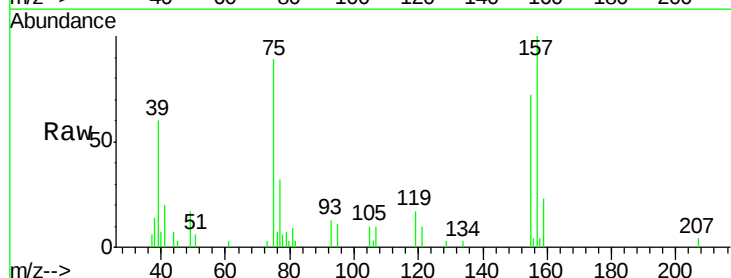
Manual Integrations
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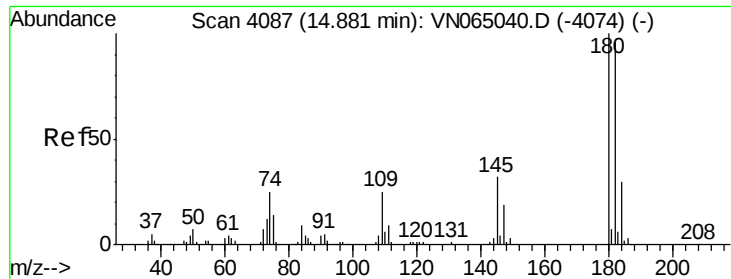
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.413 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	43.8	131.4
157	114.9	58.1	174.3





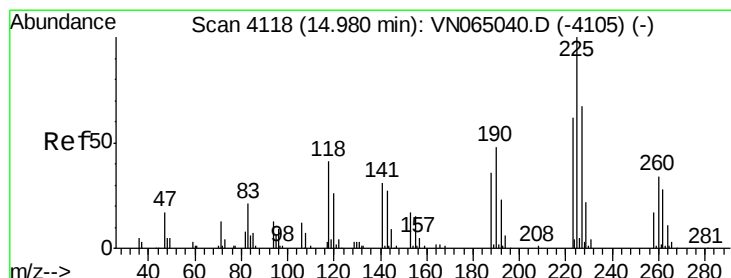
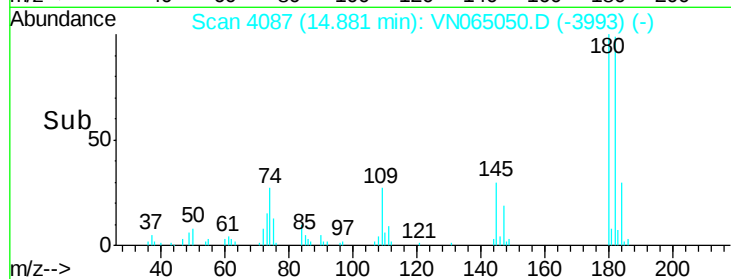
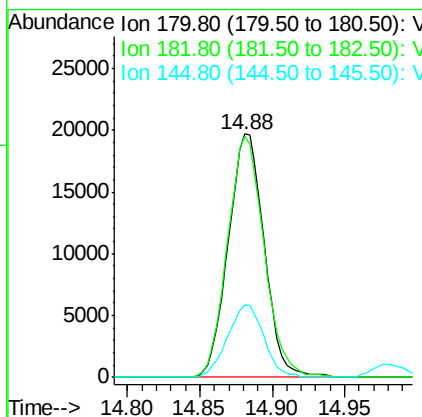
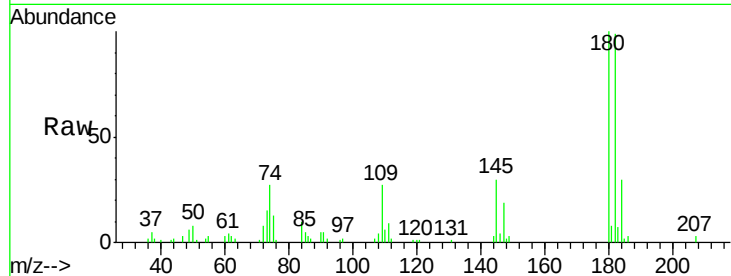
#93
 1,2,4-Trichlorobenzene
 Concen: 18.696 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.0	141.2
145	30.1	15.4	46.4

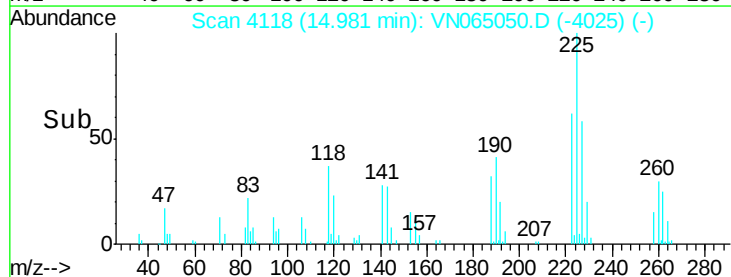
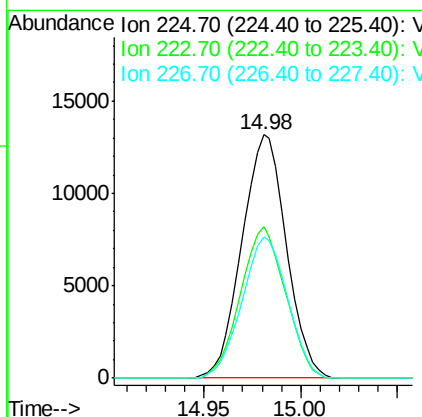
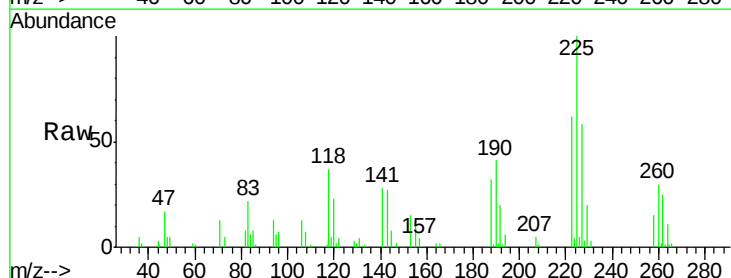
Manual Integrations
 APPROVED

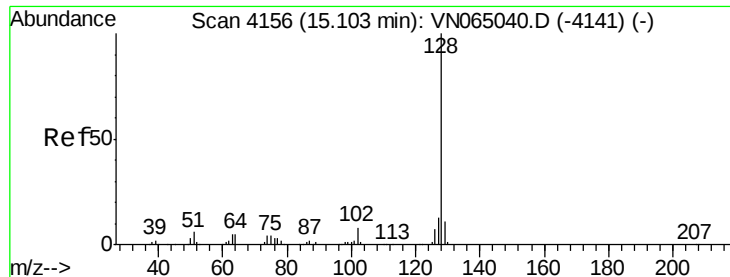
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#94
 Hexachlorobutadiene
 Concen: 18.109 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN065050.D
 Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	59.3	32.3	96.8





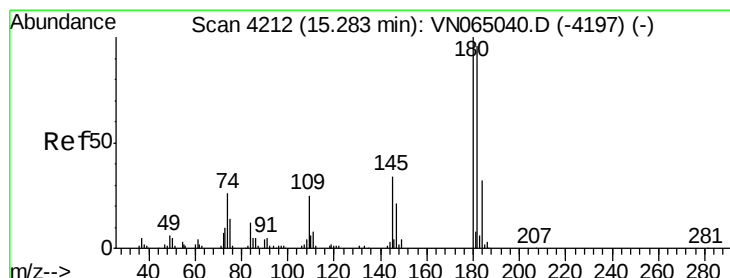
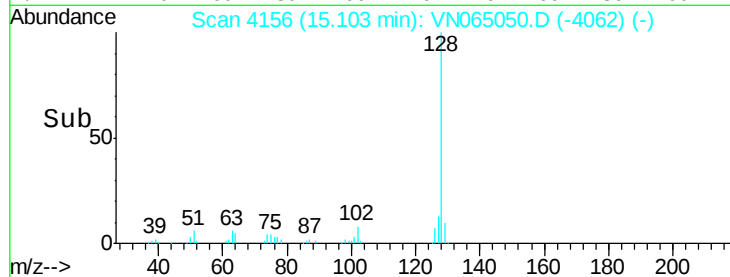
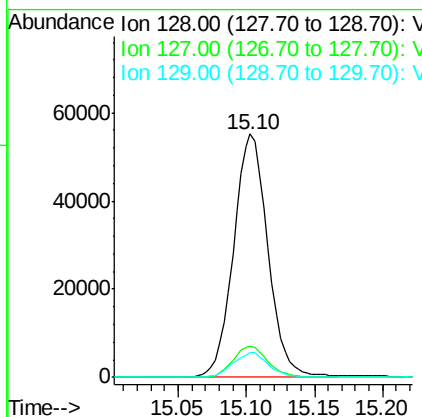
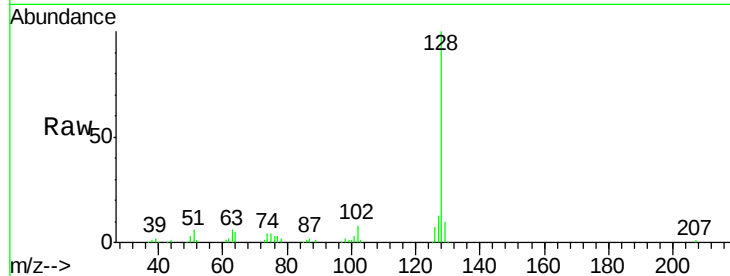
#95
Naphthalene
Concen: 18.779 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.2	8.5	12.7

Manual Integrations
APPROVED

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12/11/2020 12:32:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.747 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN065050.D
Acq: 10 Dec 2020 18:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	32.7	16.2	48.6

