

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064261.D
 Acq On : 22 Oct 2020 19:41
 Operator : JC/MD
 Sample : VN1022WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1022WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:25 PM

Quant Time: Oct 23 01:48:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47469	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	264121	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	238676	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130037	33.46	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.53%#
60) 4-Bromofluorobenzene	12.37	95	124031	29.00	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.67%
63) Toluene-d8	10.06	98	320042	29.62	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	66548	20.434	ug/l 98
3) Chloromethane	2.04	50	67831	20.324	ug/l 99
4) Vinyl Chloride	2.16	62	67423	20.534	ug/l 100
5) Bromomethane	2.54	94	42795	21.785	ug/l 94
6) Chloroethane	2.68	64	40861	21.366	ug/l 100
7) Trichlorofluoromethane	2.99	101	112034	21.255	ug/l 97
8) Diethyl Ether	3.37	74	35116	19.622	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57249	20.579	ug/l 99
10) 1,1-Dichloroethene	3.70	96	54545	20.138	ug/l 98
11) Methyl Iodide	3.92	142	74754	19.147	ug/l 93
12) Methyl Acetate	4.28	43	68218	23.895	ug/l 100
13) Acrolein	3.57	56	41580	133.202	ug/l # 1
14) Acrylonitrile	4.93	53	121003	105.179	ug/l # 63
15) Acetone	3.77	58	33467	107.744	ug/l 92
16) Carbon Disulfide	4.02	76	145997	18.848	ug/l 100
17) Allyl chloride	4.28	41	104377	20.724	ug/l 91
18) Methylene Chloride	4.50	84	63741	20.575	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	56320	19.275	ug/l 94
20) Diisopropyl ether	5.90	45	192669	20.700	ug/l # 98
21) 1,1-Dichloroethane	5.80	63	114244	20.105	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	68791m	20.140	ug/l
23) tert-Butyl Alcohol	4.73	59	58605	110.138	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	184558	20.620	ug/l # 77
25) Chloroform	7.33	83	122022	20.668	ug/l 96
26) Cyclohexane	7.61	56	86437	19.185	ug/l # 85
29) 1,1-Dichloropropene	7.75	75	88107	20.086	ug/l 98
30) 2-Butanone	6.78	43	193474	106.962	ug/l 98
31) 2,2-Dichloropropane	6.78	77	107944	19.384	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	117582	21.039	ug/l 99
33) Carbon Tetrachloride	7.73	117	103987	20.409	ug/l 93
34) Benzene	8.00	78	245974	20.138	ug/l 98
35) Methacrylonitrile	7.13	41	40971	20.650	ug/l 92
36) 1,2-Dichloroethane	8.09	62	108705	22.004	ug/l # 89
37) Trichloroethene	8.80	130	68464	20.358	ug/l 98
38) Methylcyclohexane	9.05	83	79756	19.012	ug/l 98
39) 1,2-Dichloropropane	9.08	63	67912	20.834	ug/l 93
40) Dibromomethane	9.17	93	46534	20.518	ug/l 99

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	101337	20.646	ug/l	96
42) Vinyl Acetate	5.85	43	882444	102.763	ug/l	99
43) Ethyl Acetate	6.88	43	78025	19.751	ug/l	97
44) Isopropyl Acetate	8.13	43	155367	20.486	ug/l #	88
45) 1,4-Dioxane	9.16	88	19100	430.594	ug/l	95
46) Methyl methacrylate	9.16	41	78399	21.786	ug/l	96
47) n-amyl Acetate	12.04	43	128536	19.104	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	109280	19.741	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	115266	20.153	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	61797	20.339	ug/l	95
51) Ethyl methacrylate	10.40	69	95701	19.918	ug/l	97
52) 1,3-Dichloropropane	10.68	76	109444	20.893	ug/l	99
53) Dibromochloromethane	10.87	129	78213	20.452	ug/l	98
54) 1,2-Dibromoethane	10.98	107	64012	19.820	ug/l	91
55) 2-Chloroethyl vinyl ether	9.66	63	222047	94.033	ug/l	99
56) Bromoform	12.10	173	52567	19.738	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	429261	106.134	ug/l	98
59) 2-Hexanone	10.72	43	313762	104.496	ug/l	98
61) Tetrachloroethene	10.60	164	67037	20.835	ug/l	98
62) Toluene	10.13	91	269562	19.756	ug/l	100
64) Chlorobenzene	11.41	112	171133	20.140	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	68491	20.572	ug/l	97
66) Ethyl Benzene	11.48	91	311235	19.840	ug/l	98
67) m/p-Xylenes	11.59	106	231090	39.609	ug/l	99
68) o-Xylene	11.92	106	109705	19.377	ug/l	99
69) Styrene	11.94	104	182292	19.032	ug/l	98
70) Isopropylbenzene	12.22	105	302612	20.238	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	80411	19.625	ug/l	93
72) 1,2,3-Trichloropropane	12.53	75	80220m	18.761	ug/l	
73) Bromobenzene	12.50	156	72553	20.122	ug/l	96
74) n-propylbenzene	12.57	91	335074	19.635	ug/l	99
75) 2-Chlorotoluene	12.65	91	213595	20.219	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	250420	19.682	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	29537	17.668	ug/l	95
78) 4-Chlorotoluene	12.75	91	222017	20.091	ug/l	100
79) tert-butylbenzene	12.97	119	205302	19.737	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	251009	19.434	ug/l	98
81) sec-Butylbenzene	13.14	105	266707	19.707	ug/l	99
82) p-Isopropyltoluene	13.26	119	241183	19.254	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	123465	19.103	ug/l	97
84) 1,4-Dichlorobenzene	13.33	146	125349	19.372	ug/l	99
85) n-Butylbenzene	13.59	91	209400	18.832	ug/l	98
86) Hexachloroethane	13.85	117	40963	18.996	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	122051	19.364	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20603	19.853	ug/l	92
89) 1,2,4-Trichlorobenzene	14.88	180	68064	17.983	ug/l	94
90) Hexachlorobutadiene	14.98	225	35985	18.757	ug/l	98
91) Naphthalene	15.10	128	213043	18.569	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	69643	19.240	ug/l	96

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations
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QLast Update : Thu Oct 22 16:07:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

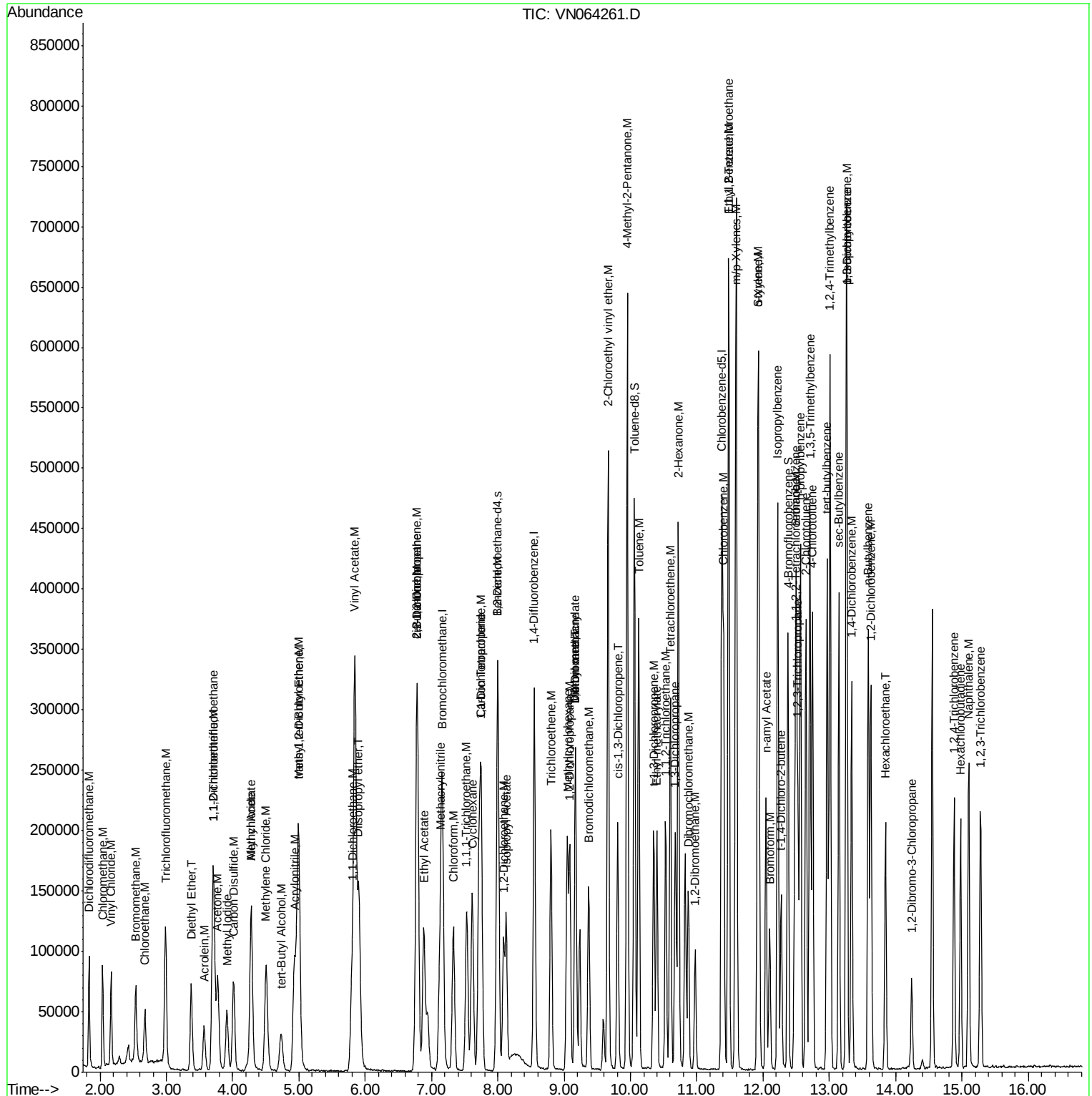
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Data File : VN064261.D
Acq On : 22 Oct 2020 19:41
Operator : JC/MD
Sample : VN1022WBSD01
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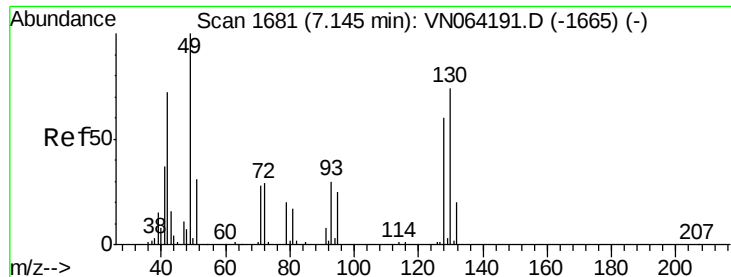
Instrument :
MSVOA_N
Client Sampled :
VN1022WBSD01

Manual Integrations
APPROVED

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10/23/2020 3:37:25 PM

Quant Time: Oct 23 01:48:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion:128 Resp: 47469

Ion Ratio Lower Upper

128 100

49 172.7 0.0 433.3

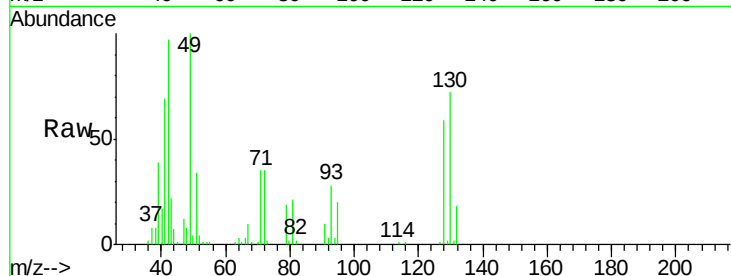
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Manual Integrations

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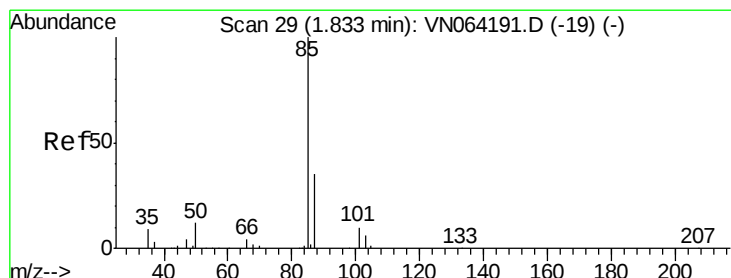
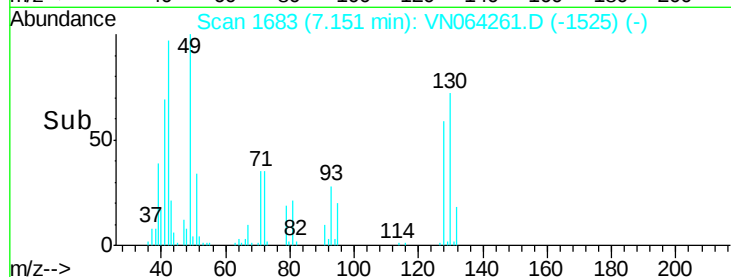
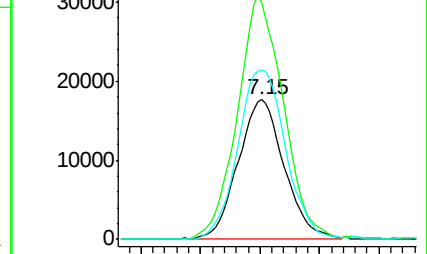
10/23/2020 3:37:25 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.434 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064261.D

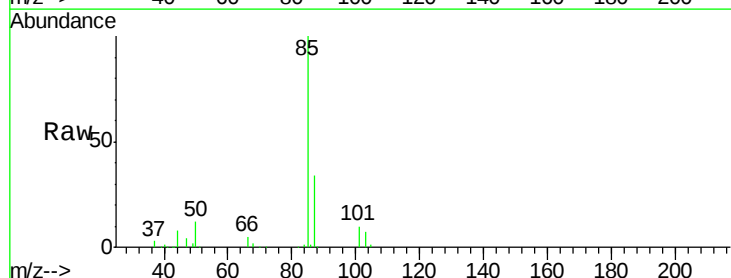
Acq: 22 Oct 2020 19:41

Tgt Ion: 85 Resp: 66548

Ion Ratio Lower Upper

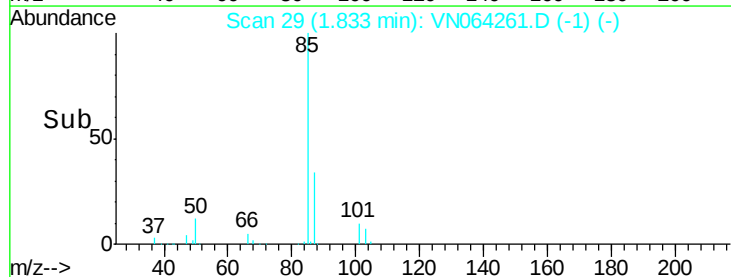
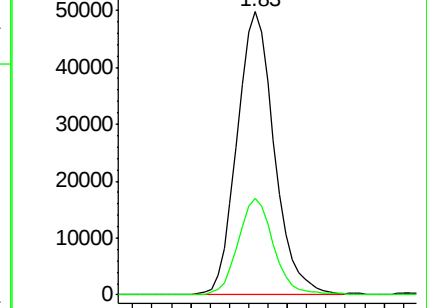
85 100

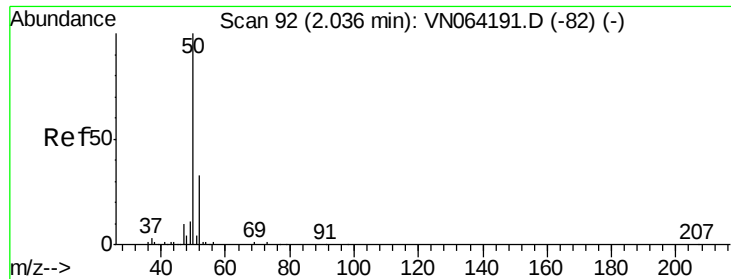
87 34.1 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.324 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion: 50 Resp: 67831

Ion Ratio Lower Upper

50 100

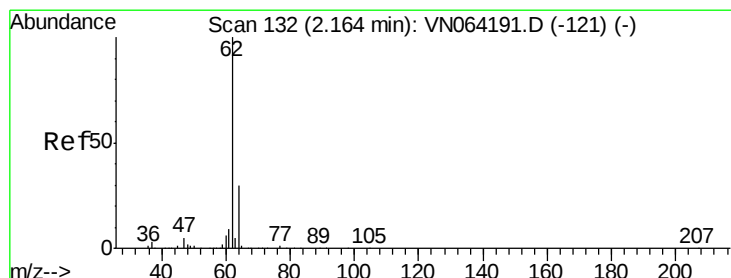
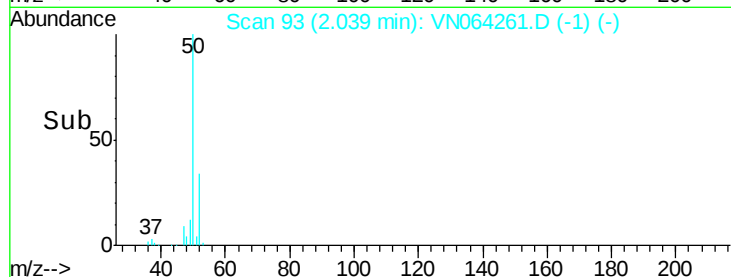
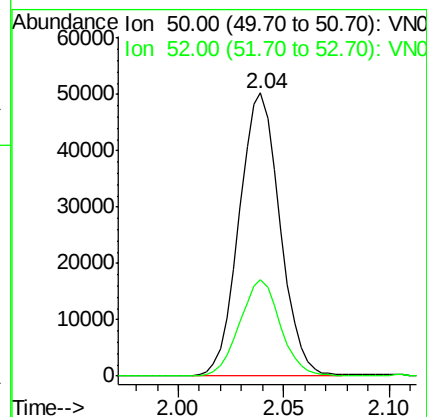
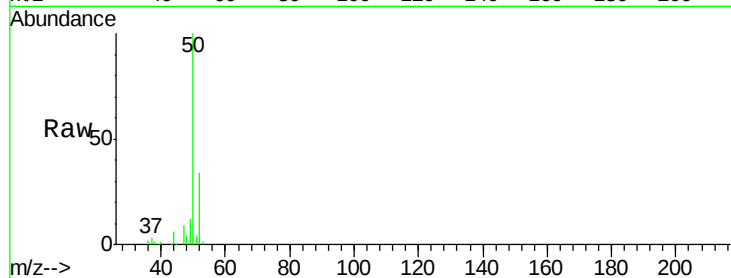
52 34.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.534 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064261.D

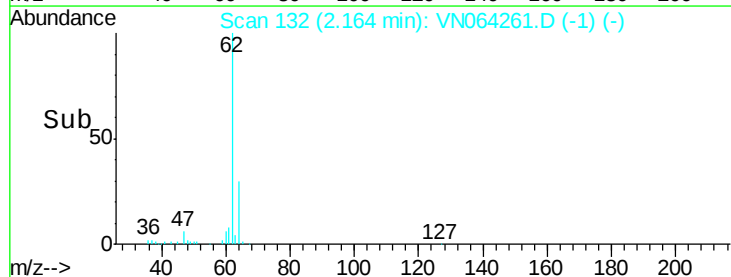
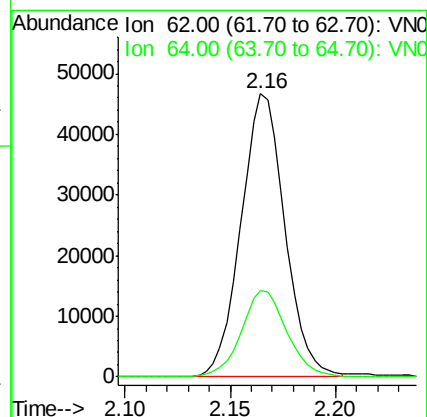
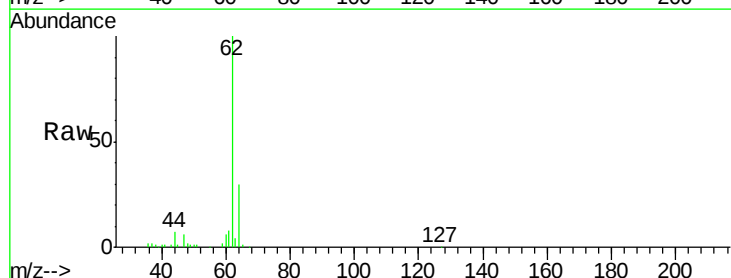
Acq: 22 Oct 2020 19:41

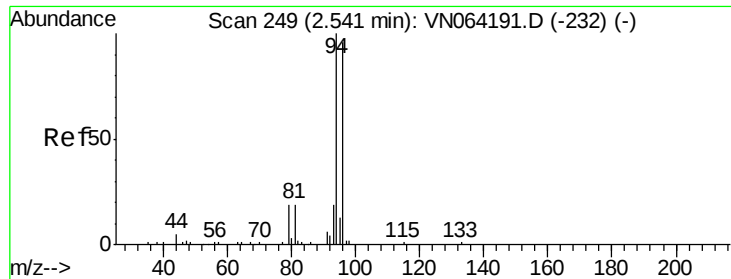
Tgt Ion: 62 Resp: 67423

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 21.785 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

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Tot Ion: 94 Resp: 42795

Ion Ratio Lower Upper

94 100

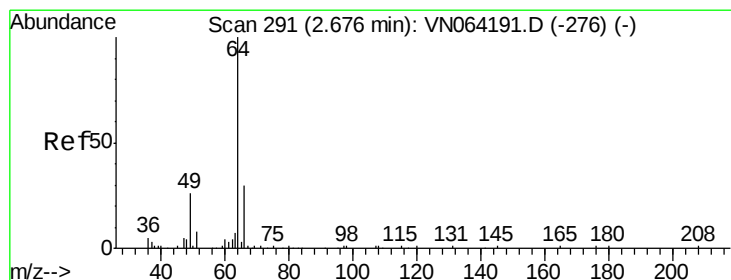
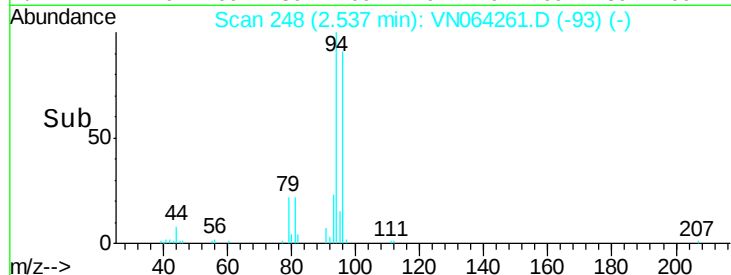
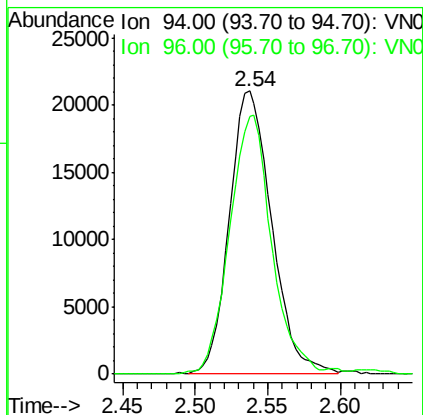
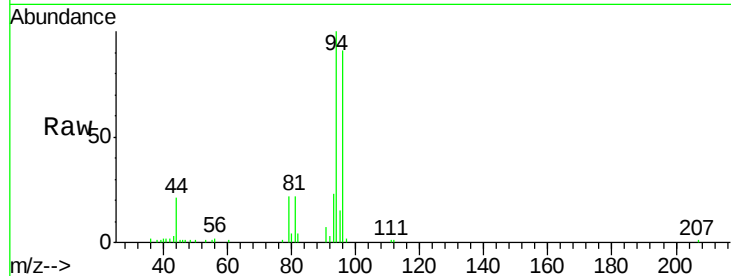
96 90.3 76.6 115.0

Manual Integrations

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#6

Chloroethane

Concen: 21.366 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064261.D

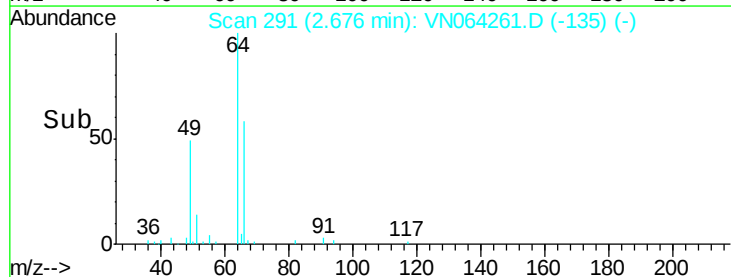
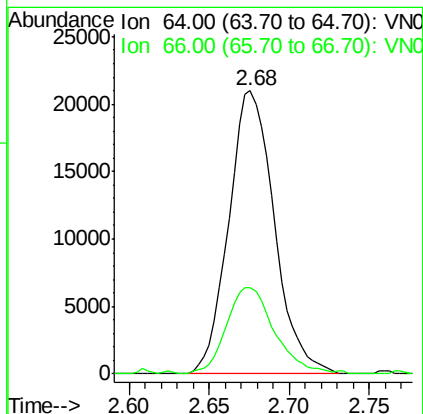
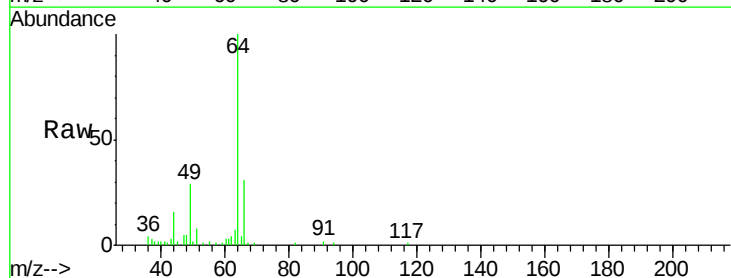
Acq: 22 Oct 2020 19:41

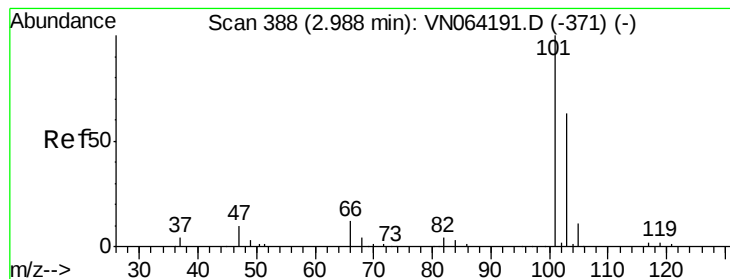
Tgt Ion: 64 Resp: 40861

Ion Ratio Lower Upper

64 100

66 30.6 24.3 36.5





#7

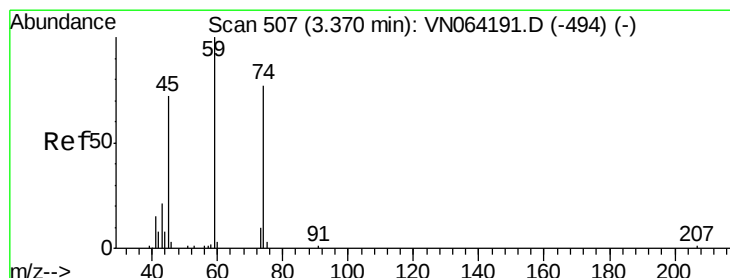
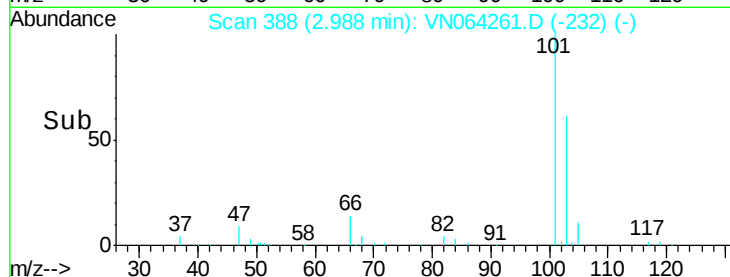
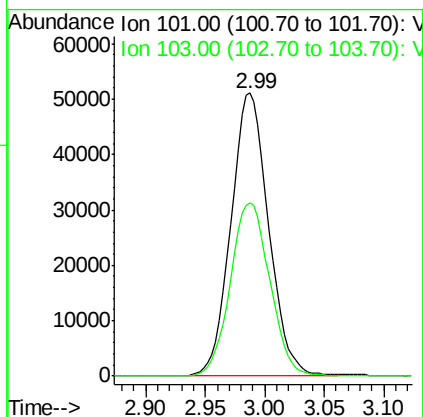
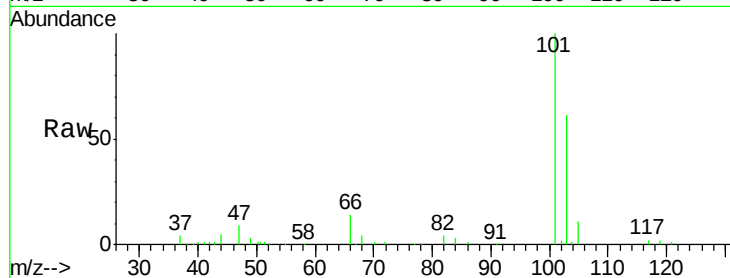
Trichlorofluoromethane
 Concen: 21.255 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		112034		
103	61.2	50.7	76.1		

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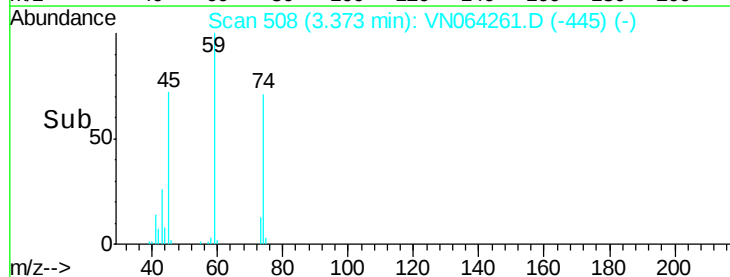
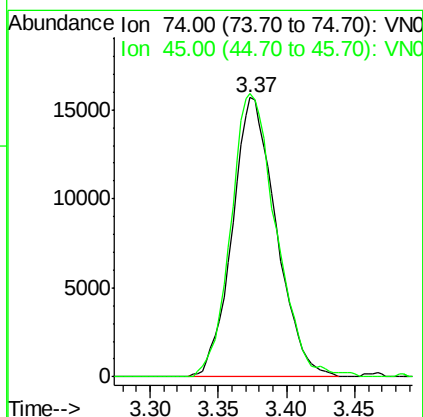
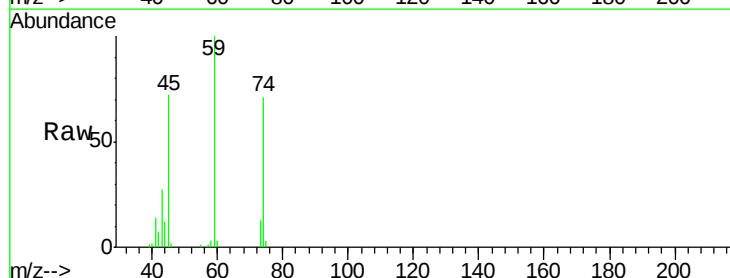
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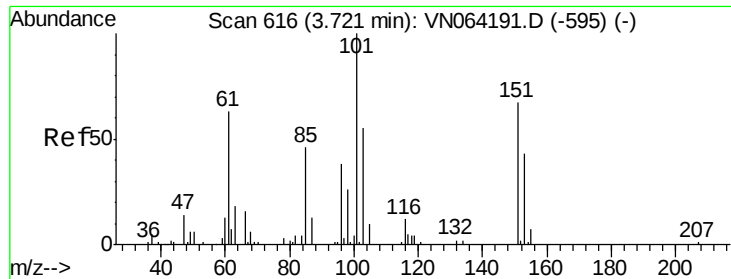


#8

Diethyl Ether
 Concen: 19.622 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		35116		
45	103.1	19.5	175.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.579 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

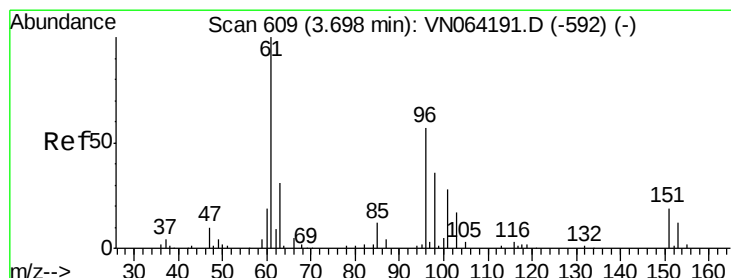
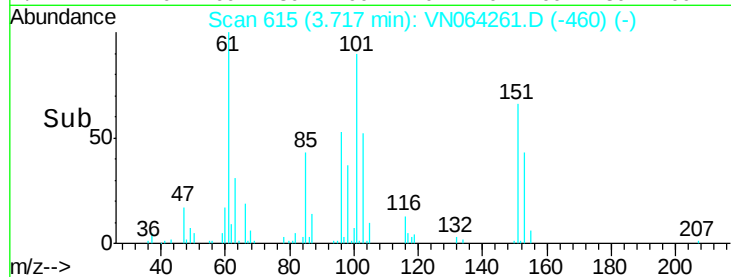
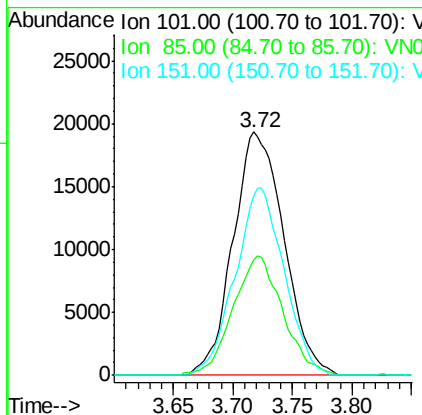
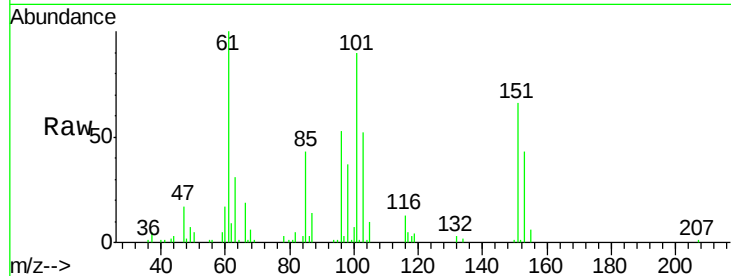
ClientSampleId :

VN1022WBSD01

Tot Ion:	101	Resp:	57249
Ion Ratio	Lower	Upper	
101	100		
85	47.7	0.0	94.0
151	74.2	0.0	146.6

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#10

1,1-Dichloroethene

Concen: 20.138 ug/l

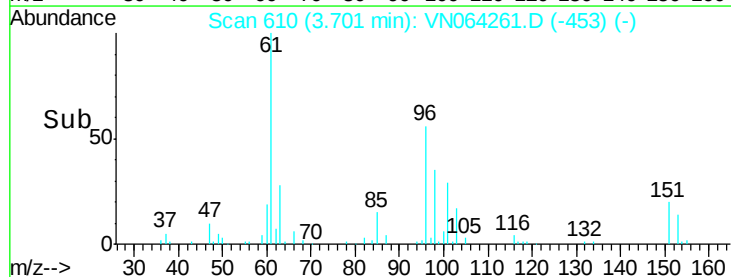
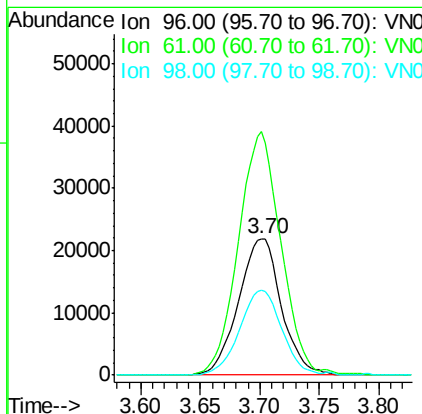
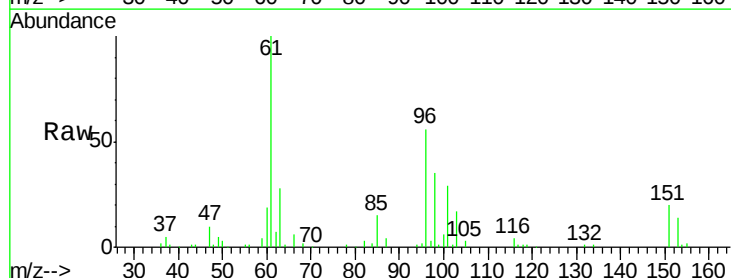
RT: 3.70 min Scan# 610

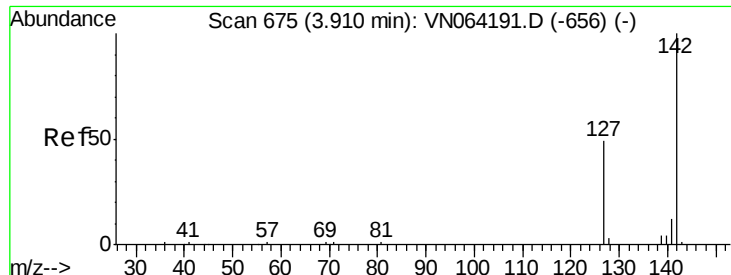
Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion:	96	Resp:	54545
Ion Ratio	Lower	Upper	
96	100		
61	178.4	141.0	211.4
98	62.3	51.4	77.2





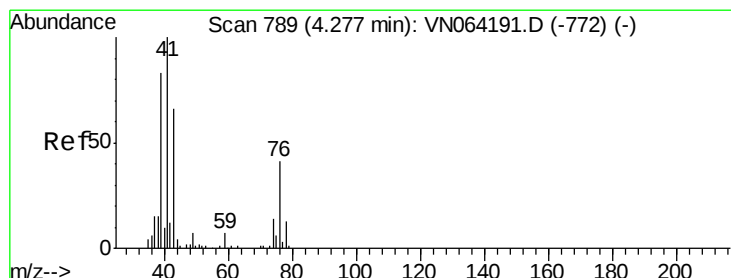
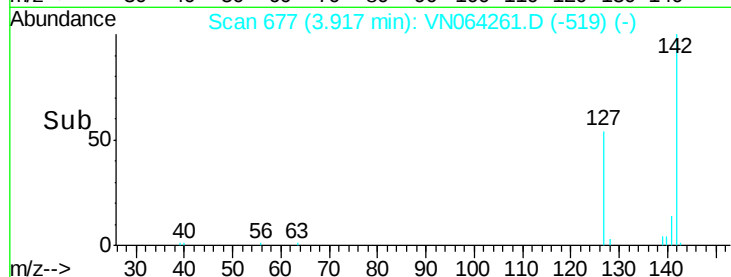
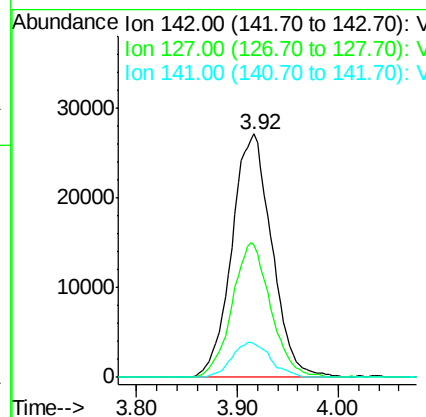
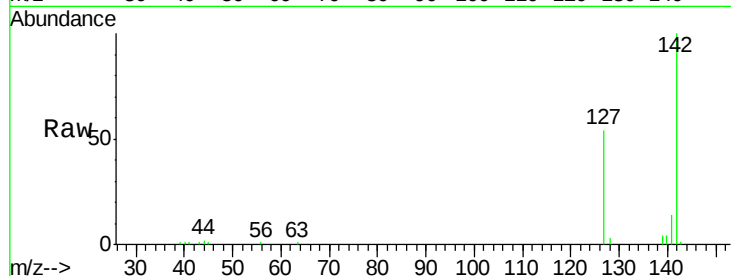
#11
Methyl Iodide
Concen: 19.147 ug/l
RT: 3.92 min Scan# 677
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	54.3	24.5	73.5
141	13.6	6.0	18.1

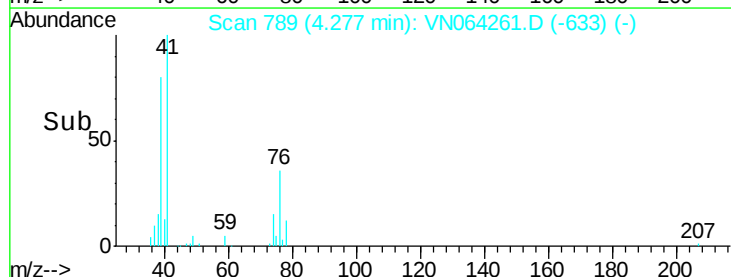
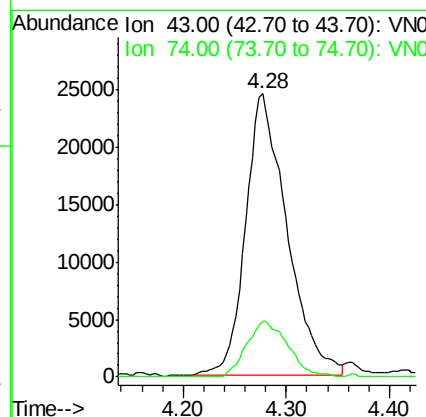
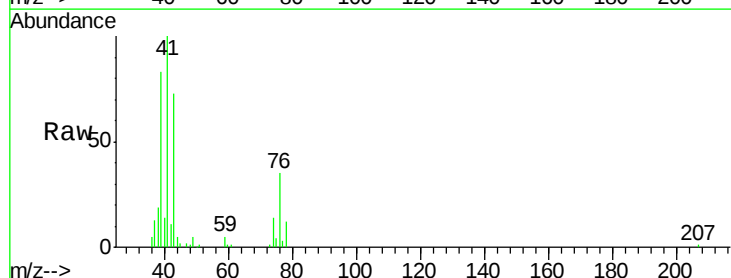
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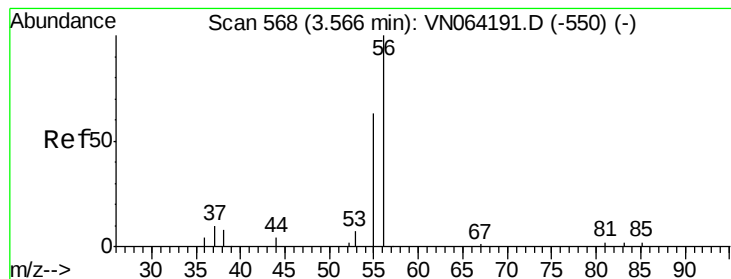
MMDadoda
10/23/2020 3:37:25 PM



#12
Methyl Acetate
Concen: 23.895 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.2	24.2





#13

Acrolein

Concen: 133.202 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion: 56 Resp: 41580

Ion Ratio Lower Upper

56 100

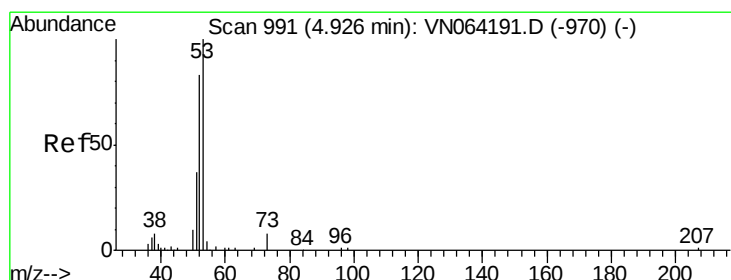
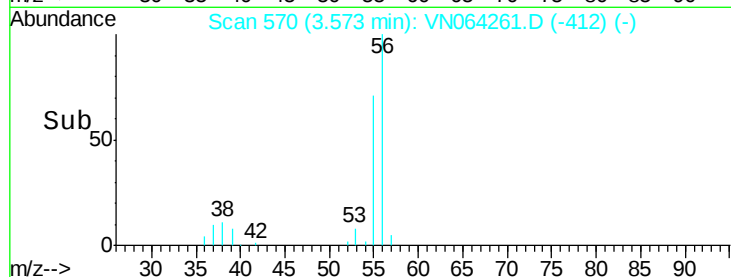
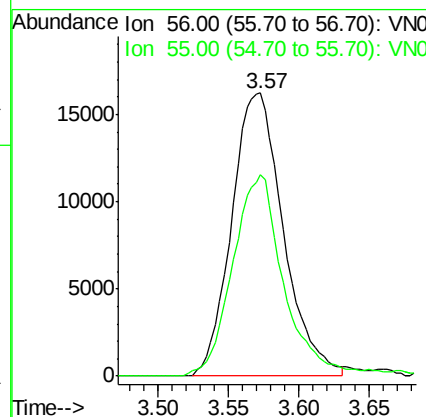
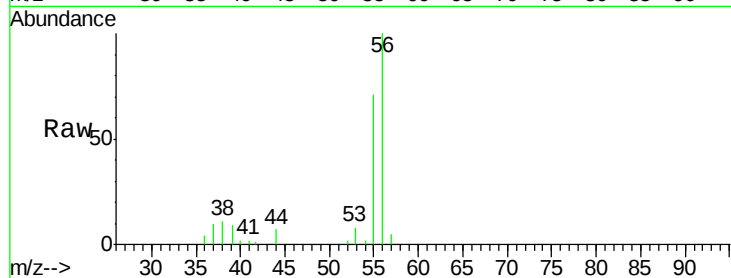
55 69.2 0.5 0.7#

Manual Integrations

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#14

Acrylonitrile

Concen: 105.179 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

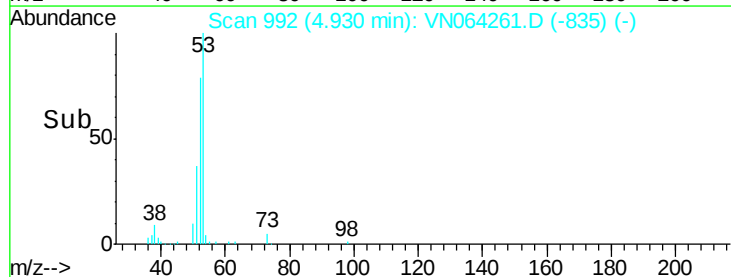
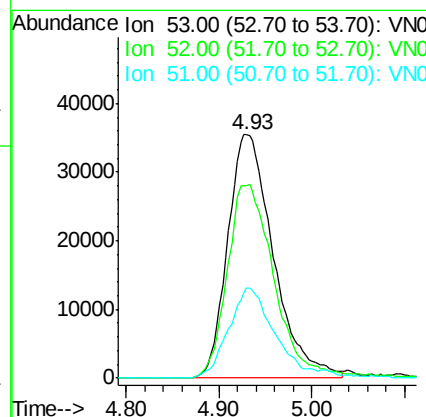
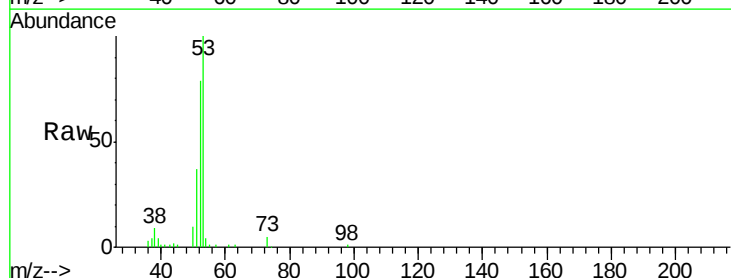
Tgt Ion: 53 Resp: 121003

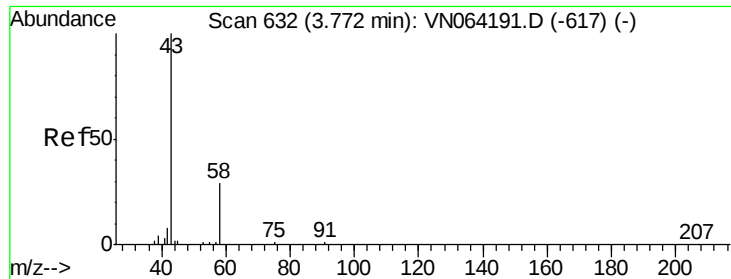
Ion Ratio Lower Upper

53 100

52 35.4 41.3 123.9#

51 36.1 18.1 54.1





#15

Acetone

Concen: 107.744 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tot Ion: 58 Resp: 33467

Ion Ratio Lower Upper

58 100

43 356.4 272.1 408.1

Instrument :

MSVOA_N

ClientSampleId :

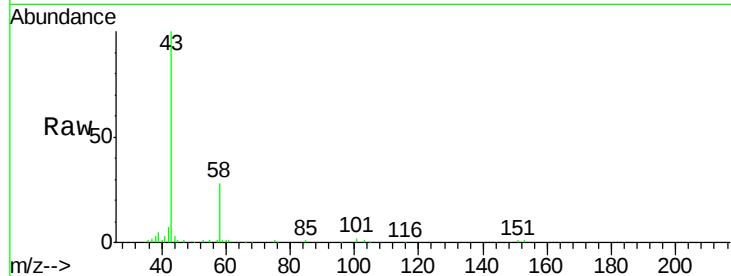
VN1022WBSD01

Manual Integrations

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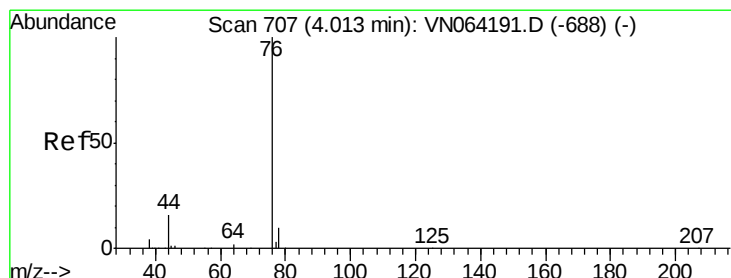
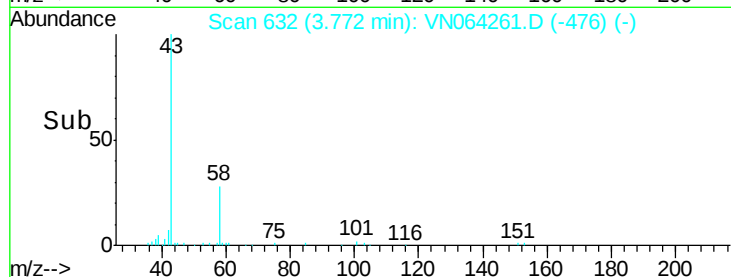
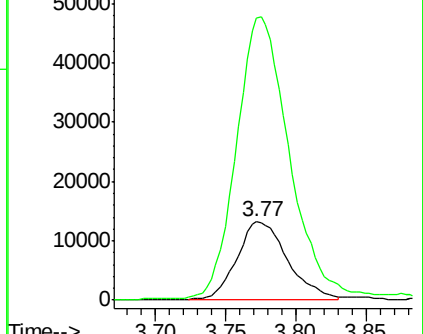
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.848 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN064261.D

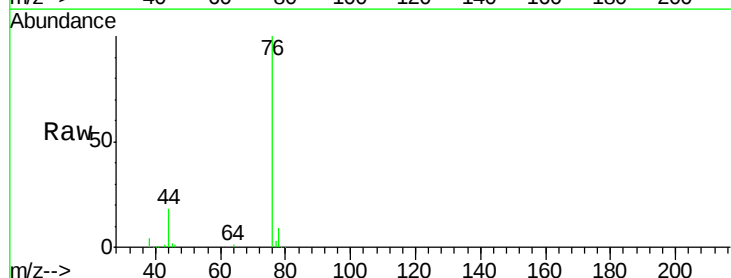
Acq: 22 Oct 2020 19:41

Tgt Ion: 76 Resp: 145997

Ion Ratio Lower Upper

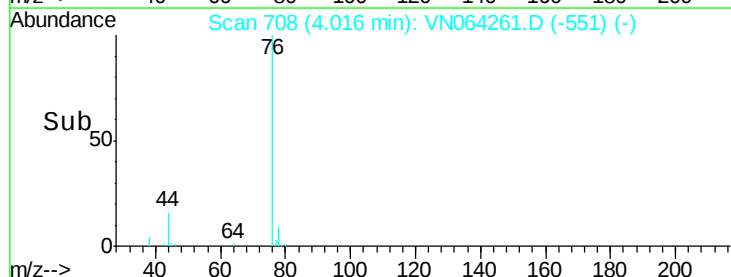
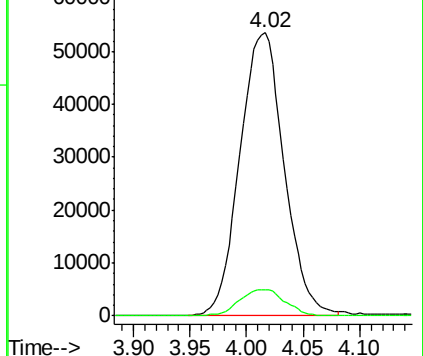
76 100

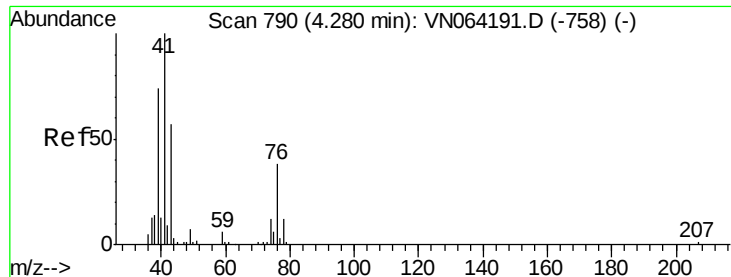
78 9.6 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





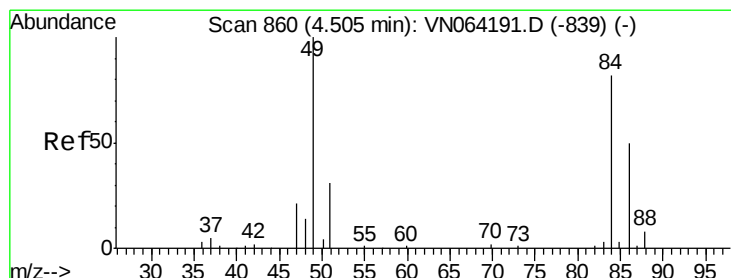
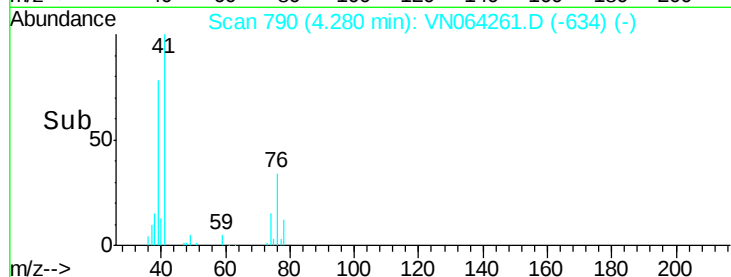
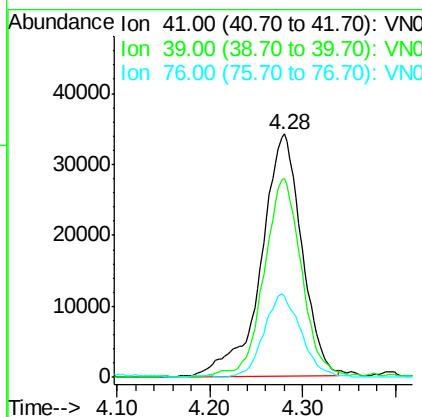
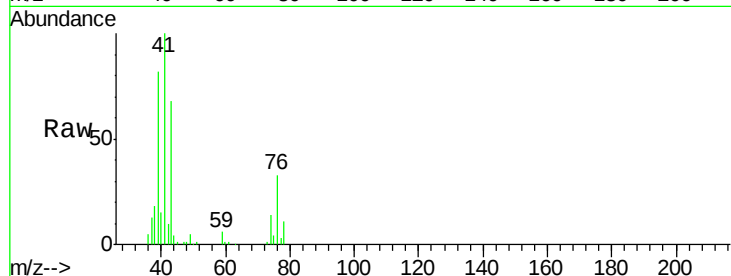
#17
Allvl chloride
Concen: 20.724 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion:	41	Resp:	104377
Ion	Ratio	Lower	Upper
41	100		
39	82.2	36.8	110.4
76	33.5	18.8	56.4

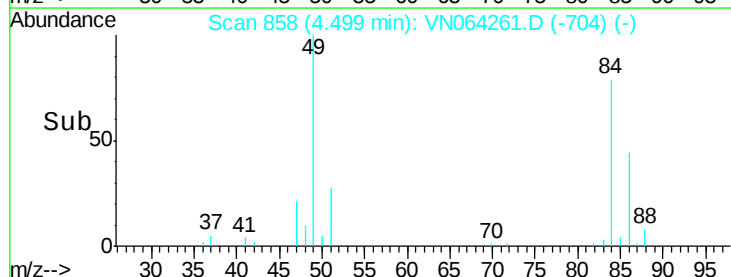
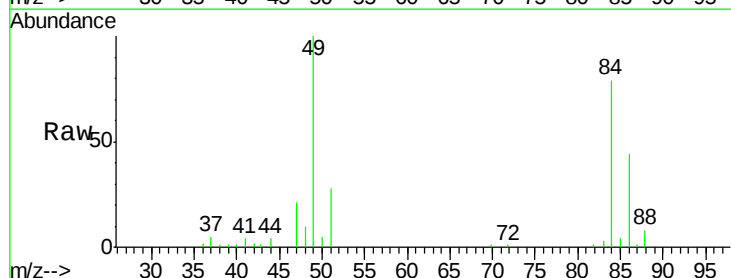
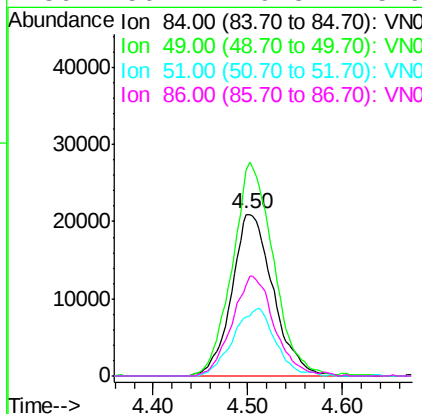
Manual Integrations
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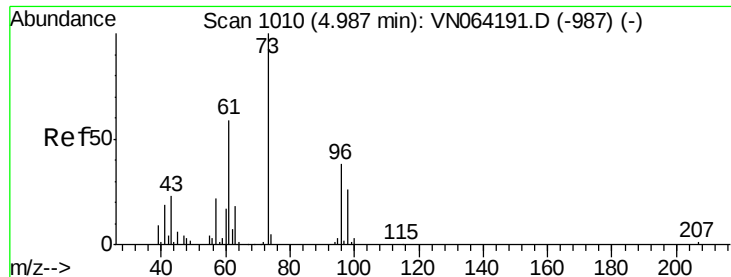
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#18
Methylene Chloride
Concen: 20.575 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion:	84	Resp:	63741
Ion	Ratio	Lower	Upper
84	100		
49	127.2	97.6	146.4
51	36.2	31.1	46.7
86	56.2	49.3	73.9





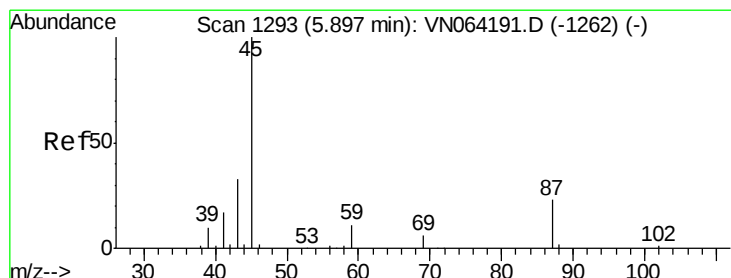
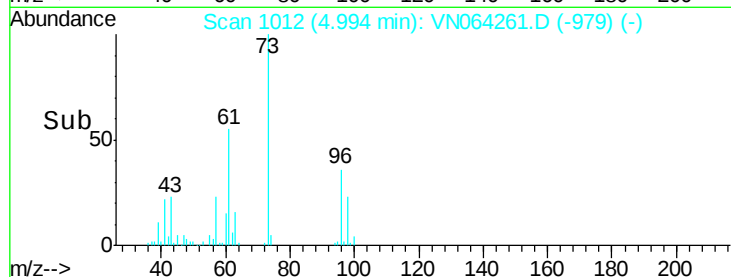
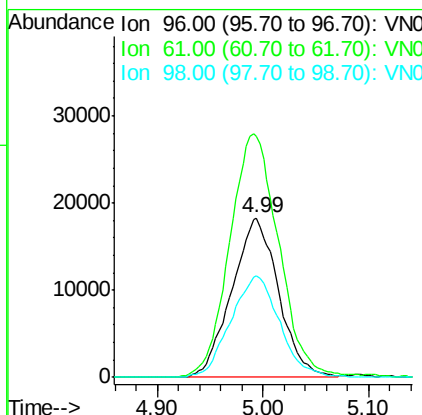
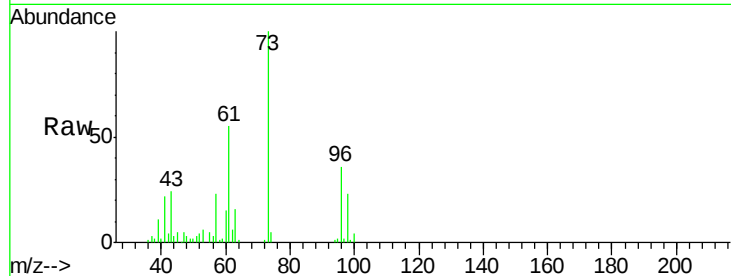
#19
trans-1,2-Dichloroethene
Concen: 19.275 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.1	125.5	188.3
98	62.8	54.7	82.1

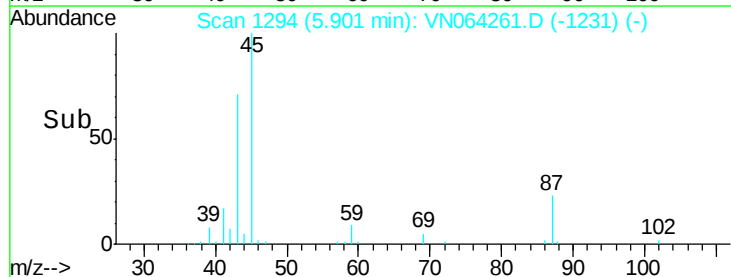
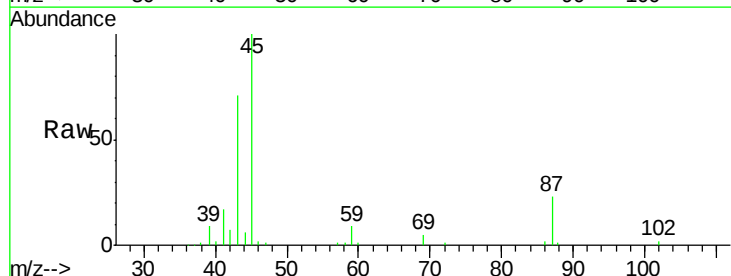
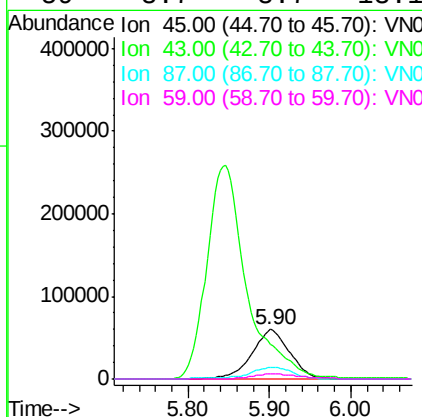
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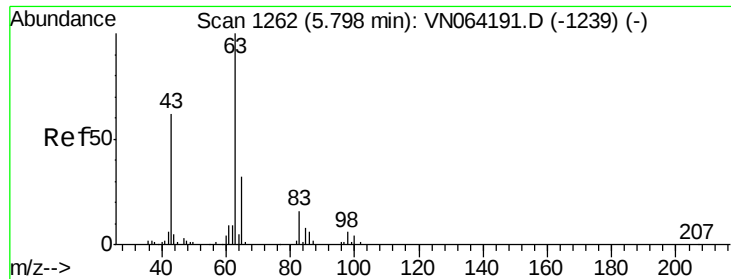
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#20
Diisopropyl ether
Concen: 20.700 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	55.1	82.7
87	23.5	19.4	29.2
59	8.7	8.7	13.1





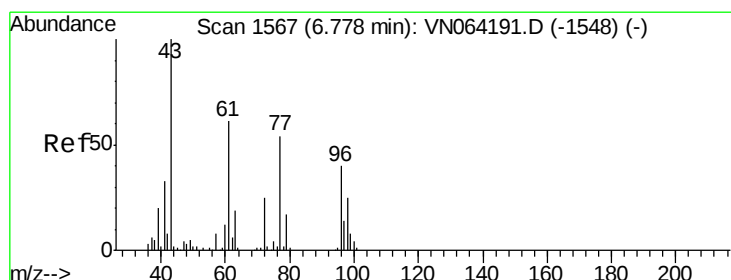
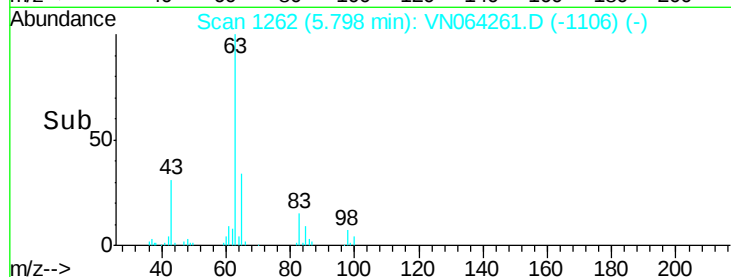
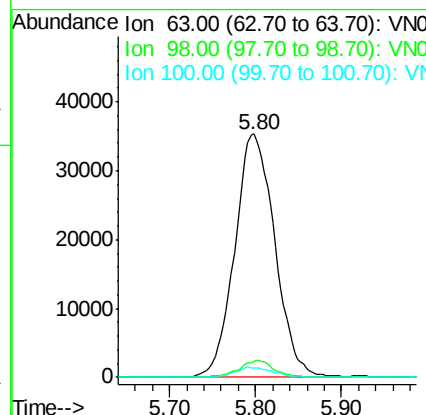
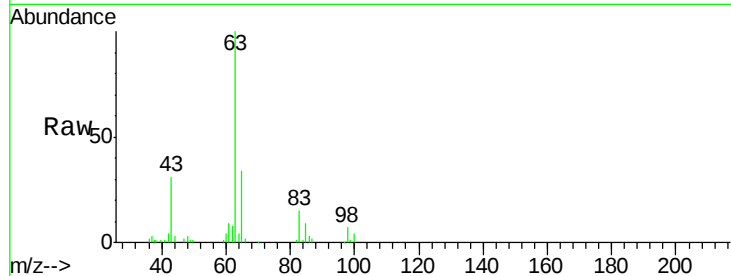
#21
 1,1-Dichloroethane
 Concen: 20.105 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	114244		
98	6.6		2.9	8.7
100	3.8		2.1	6.3

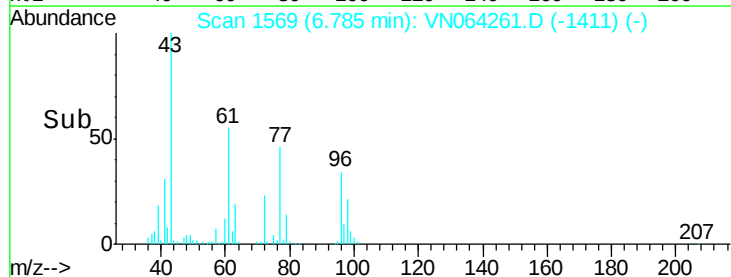
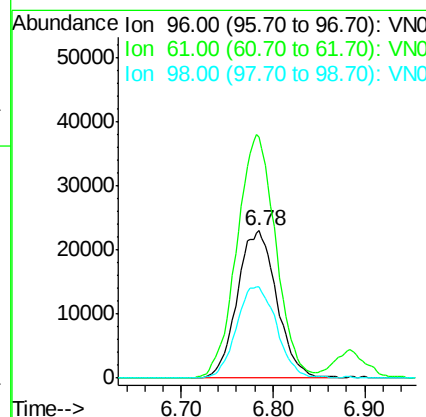
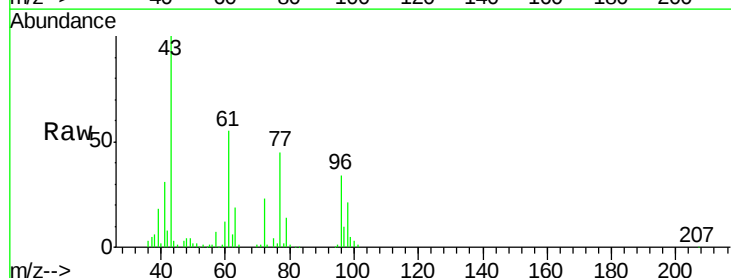
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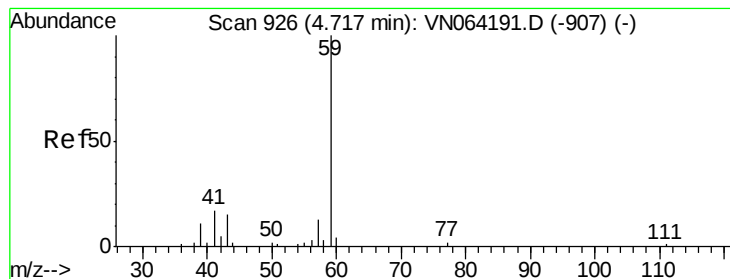
MMDadoda
 10/23/2020 3:37:25 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.140 ug/l m
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	68791		
61	0.0		126.2	189.4#
98	0.2		50.2	75.4#





#23

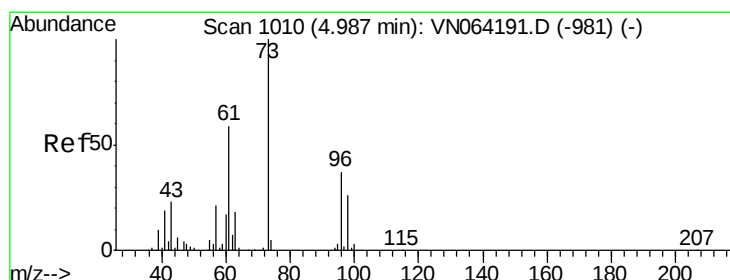
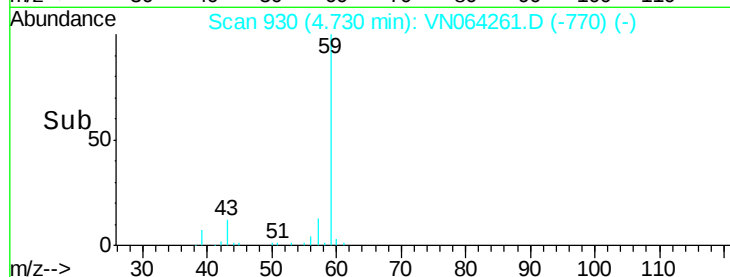
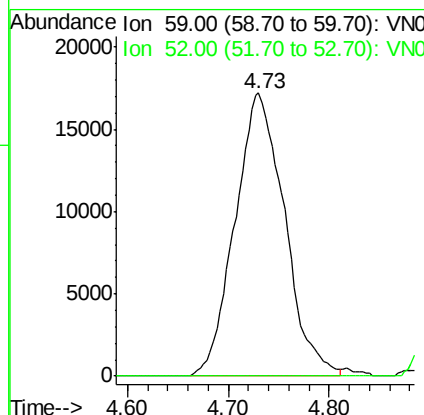
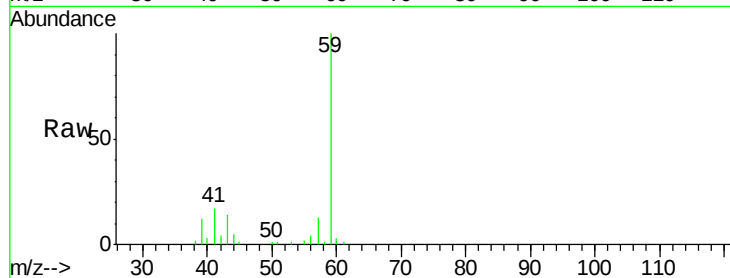
tert-Butyl Alcohol
 Concen: 110.138 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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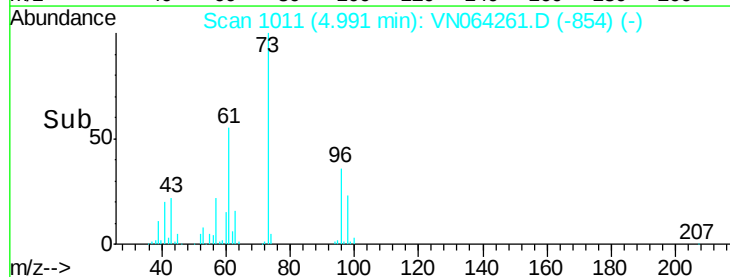
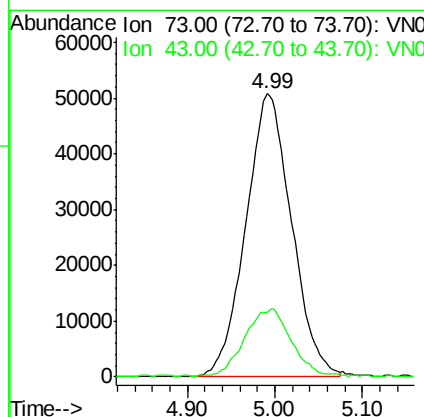
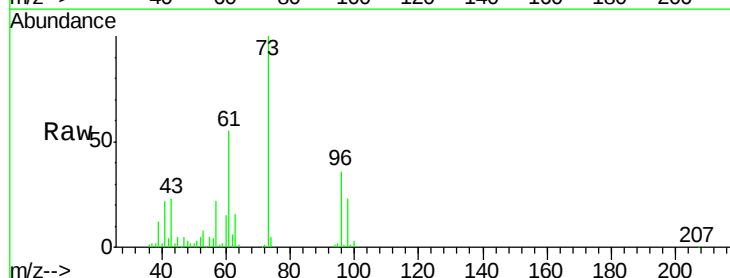
MMDadoda
 10/23/2020 3:37:25 PM

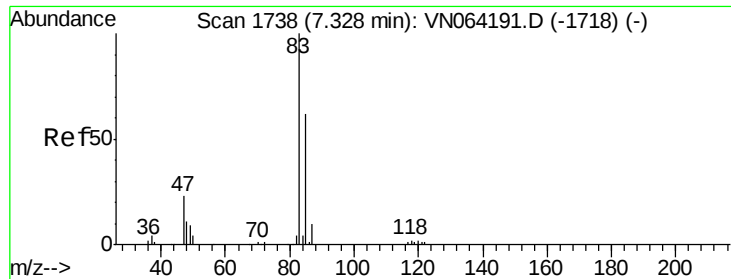


#24

Methyl tert-Butyl Ether
 Concen: 20.620 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
73	100		
43	11.6	18.2	27.2#





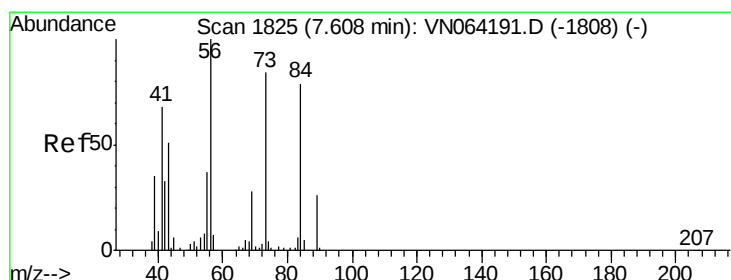
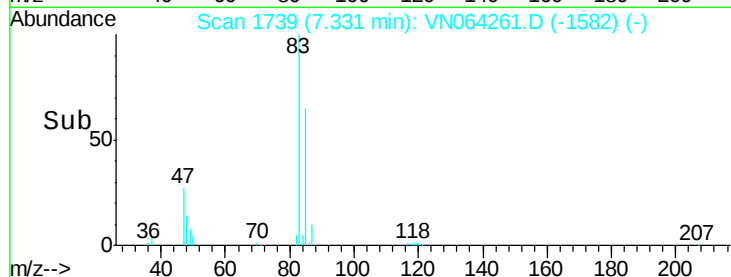
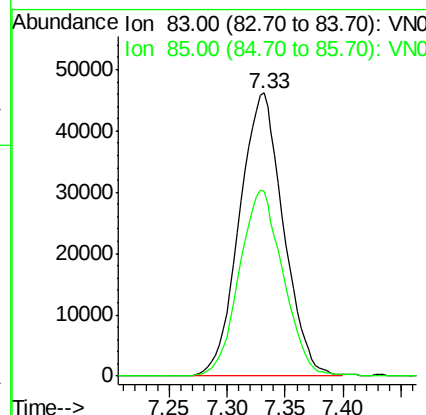
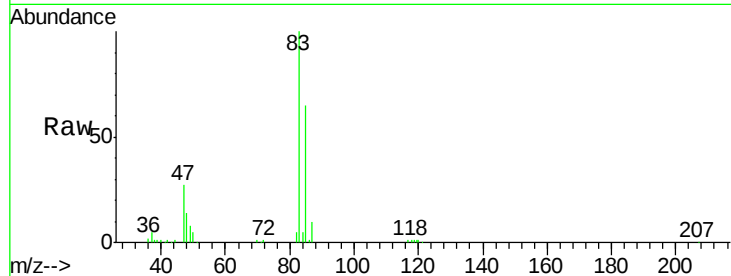
#25
Chloroform
Concen: 20.668 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	83	Resp	122022
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	49.7	74.5

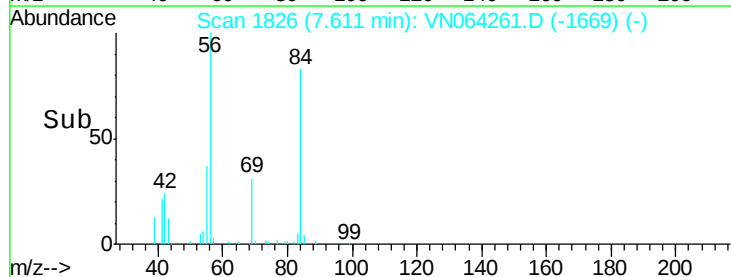
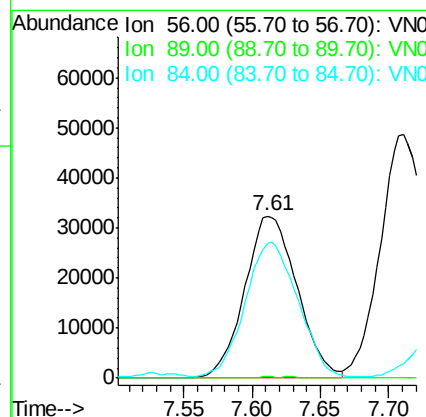
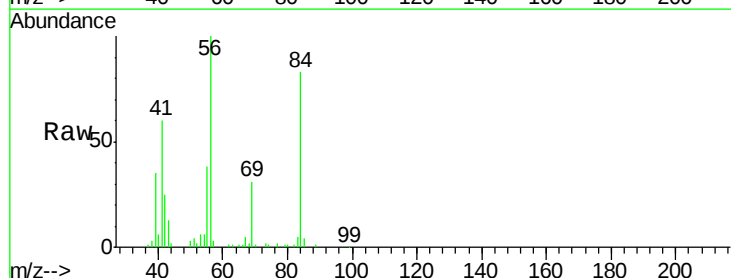
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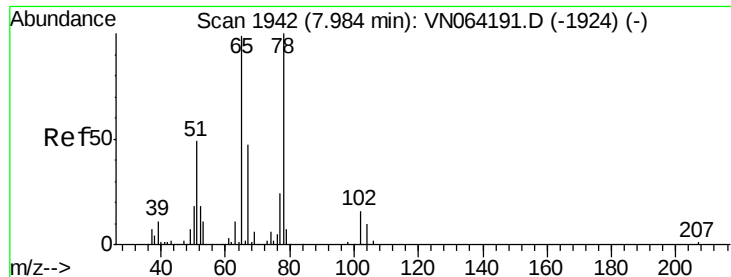
MMDadoda
10/23/2020 3:37:25 PM



#26
Cyclohexane
Concen: 19.185 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	56	Resp	86437
Ion Ratio	100	Lower	Upper
56	100		
89	0.3	21.4	32.0#
84	85.2	65.8	98.6





#27

1,2-Dichloroethane-d4

Concen: 33.459 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion: 65 Resp: 130037

Ion Ratio Lower Upper

65 100

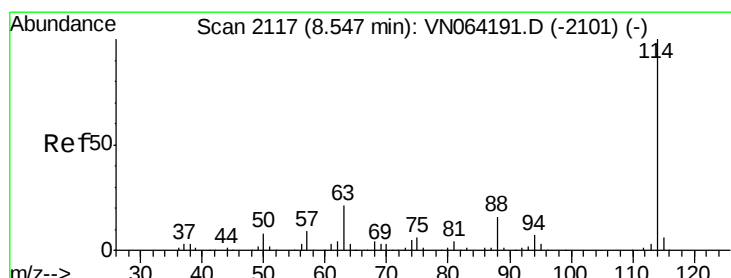
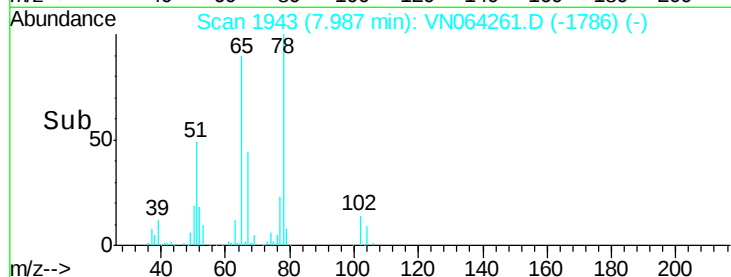
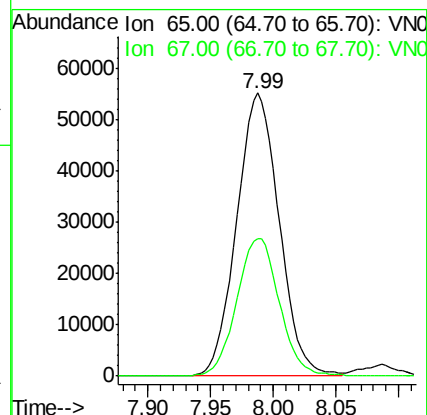
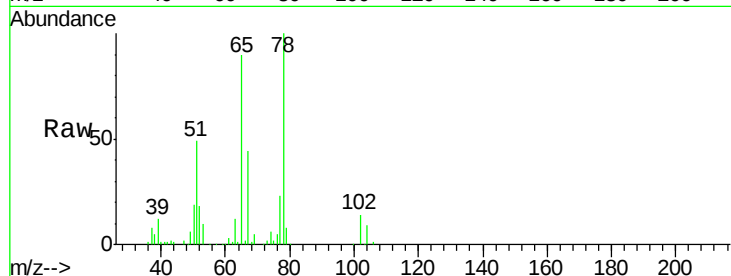
67 48.7 39.8 59.6

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10/23/2020 3:37:25 PM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

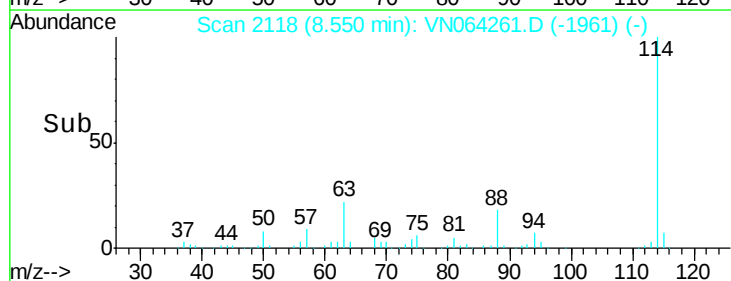
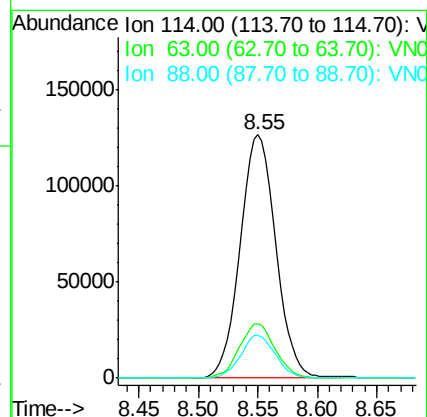
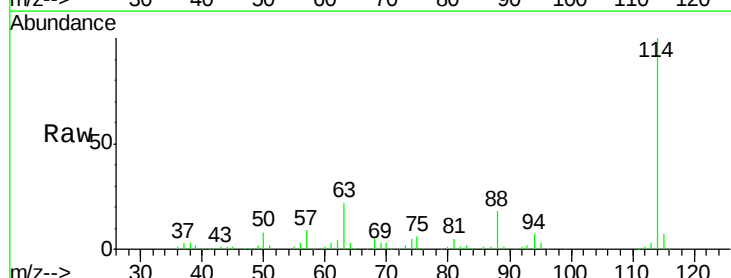
Tgt Ion: 114 Resp: 264121

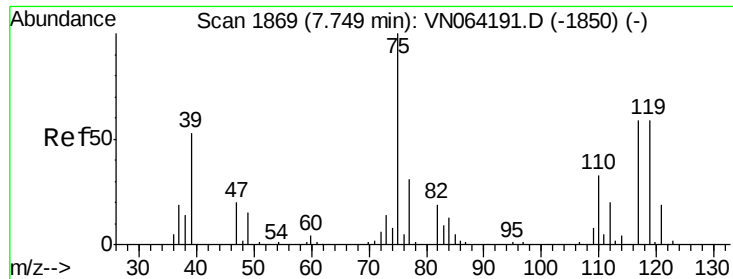
Ion Ratio Lower Upper

114 100

63 22.4 17.0 25.4

88 17.0 13.0 19.4





#29

1,1-Dichloropropene

Concen: 20.086 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

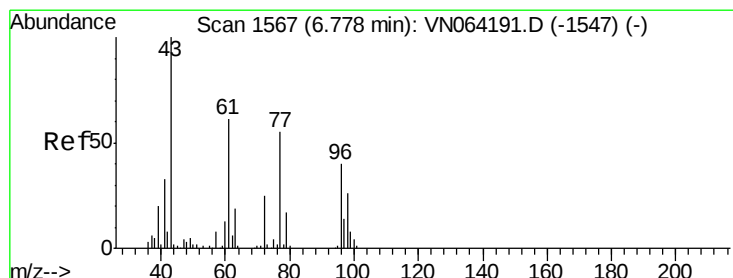
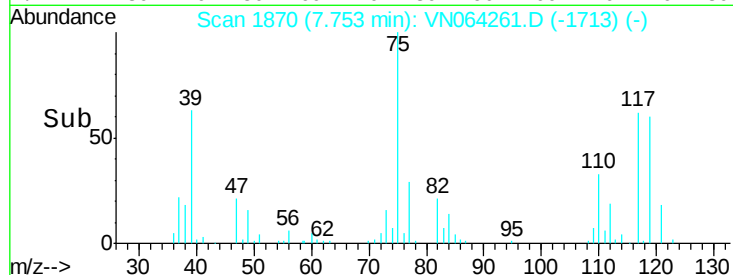
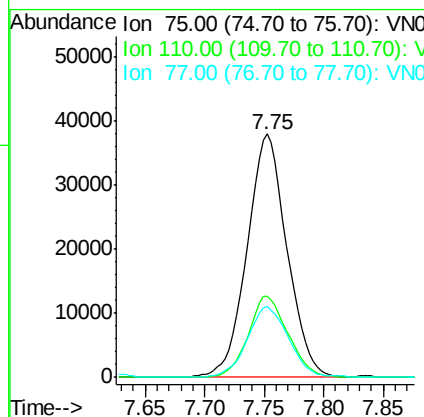
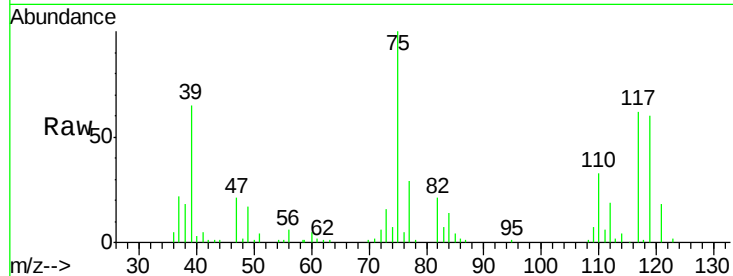
ClientSampleId :

VN1022WBSD01

Tot Ion:	75	Resp:	88107
Ion Ratio	Lower	Upper	
75	100		
110	33.3	0.0	66.8
77	30.0	0.0	63.6

Manual Integrations
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#30

2-Butanone

Concen: 106.962 ug/l

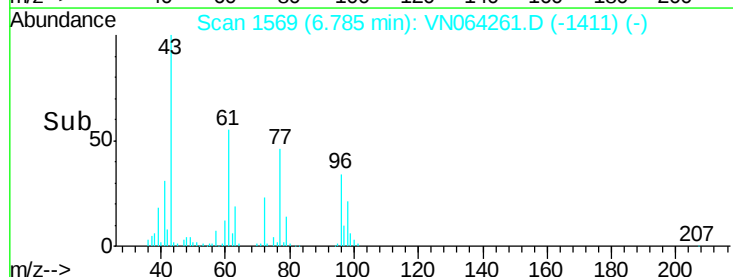
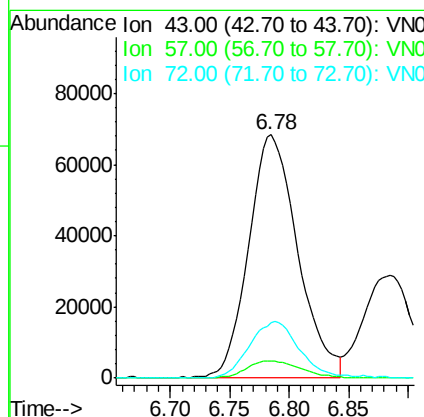
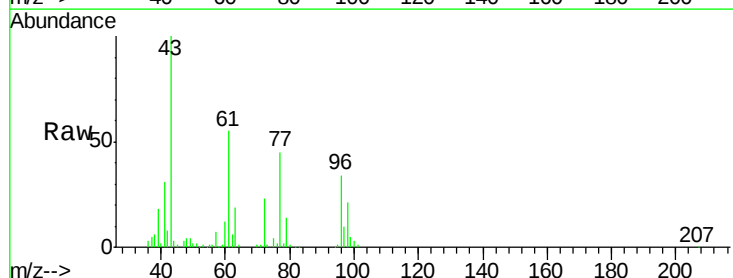
RT: 6.78 min Scan# 1569

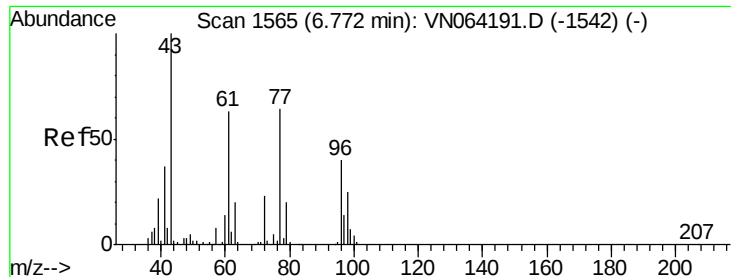
Delta R.T. 0.01 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion:	43	Resp:	193474
Ion Ratio	Lower	Upper	
43	100		
57	7.8	5.8	8.6
72	24.0	19.8	29.8





#31

2,2-Dichloropropane

Concen: 19.384 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion: 77 Resp: 107944

Ion Ratio Lower Upper

77 100

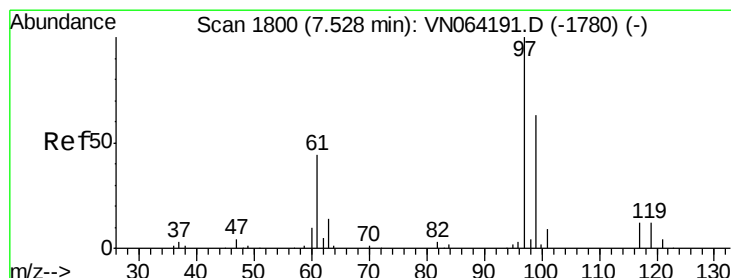
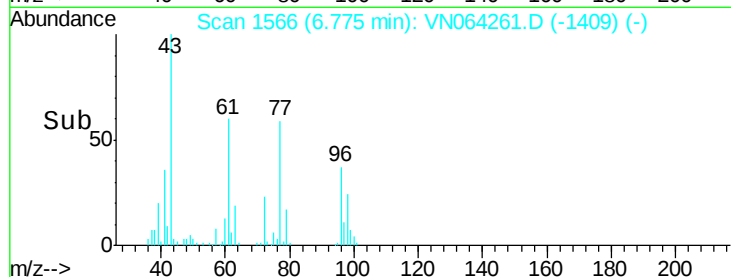
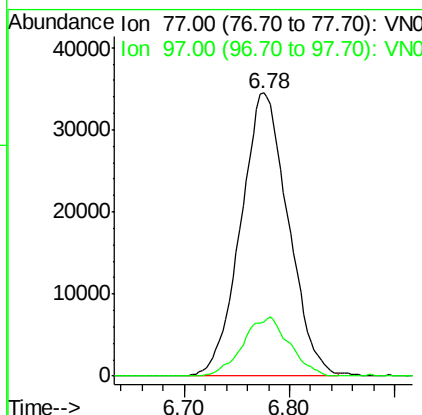
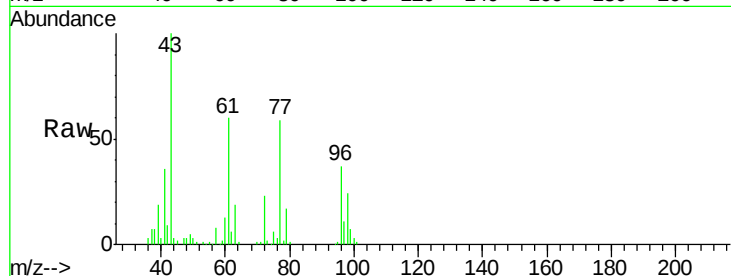
97 8.6 17.3 25.9#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.039 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

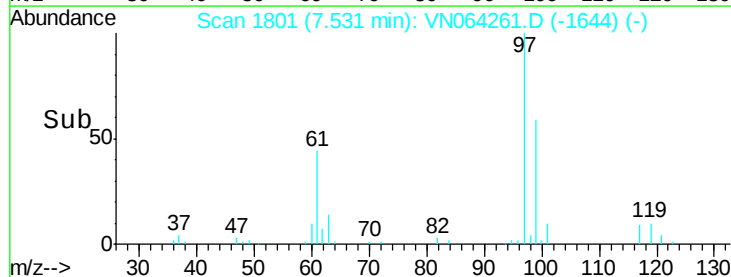
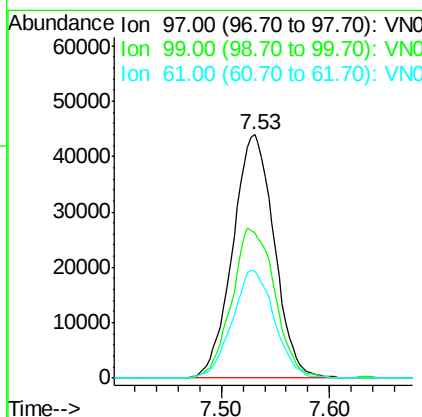
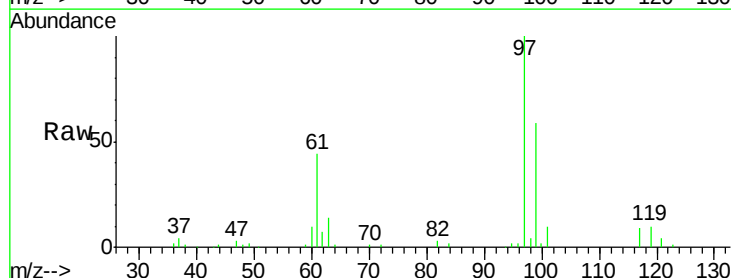
Tgt Ion: 97 Resp: 117582

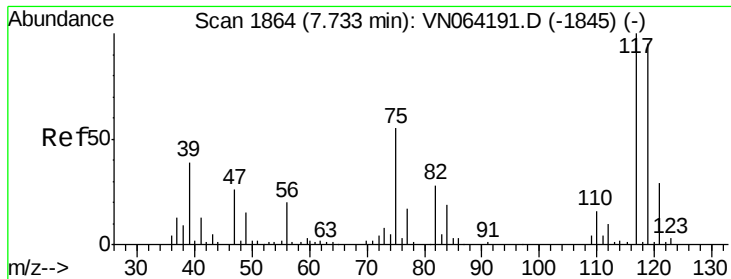
Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

61 44.9 34.8 52.2





#33

Carbon Tetrachloride

Concen: 20.409 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

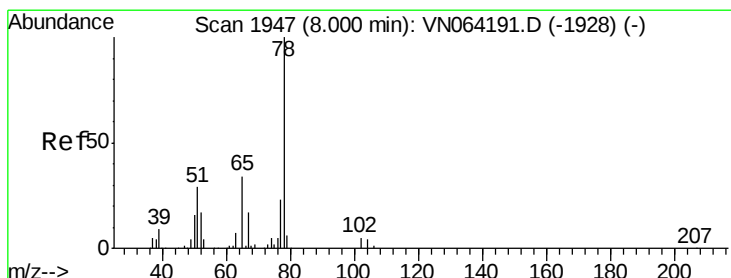
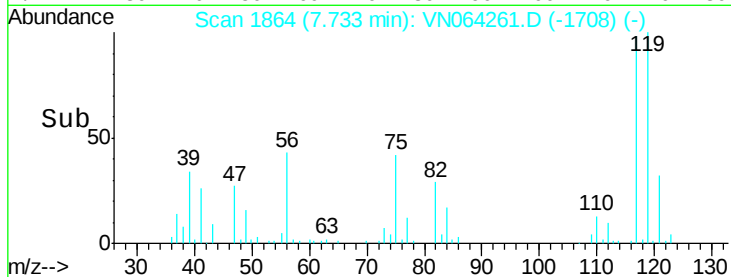
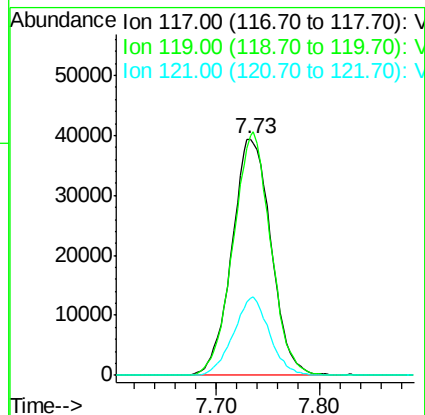
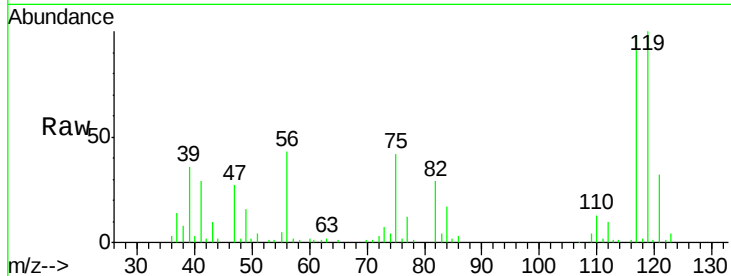
ClientSampleId :

VN1022WBSD01

Tot Ion:	117	Resp:	103987
Ion Ratio	Lower	Upper	
117	100		
119	101.5	76.0	114.0
121	32.9	23.0	34.6

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#34

Benzene

Concen: 20.138 ug/l

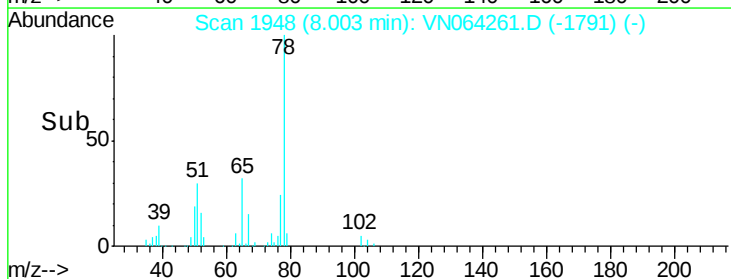
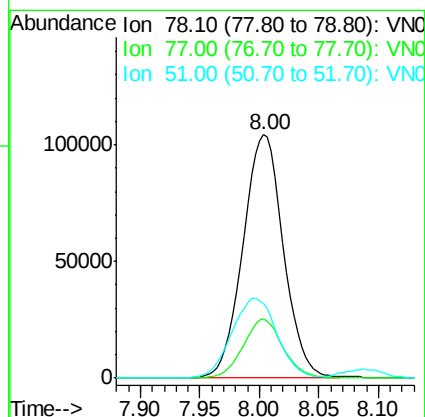
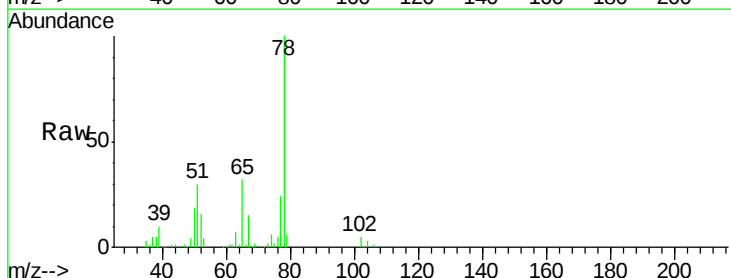
RT: 8.00 min Scan# 1948

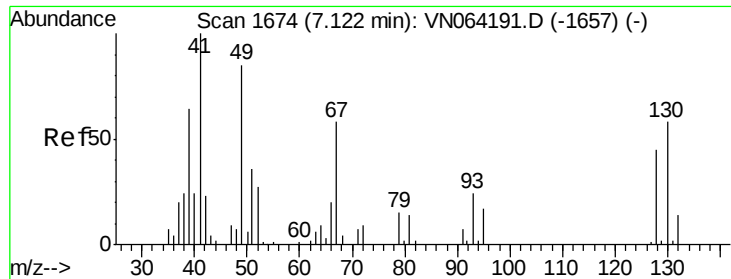
Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion:	78	Resp:	245974
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.4	27.6
51	30.1	23.0	34.6





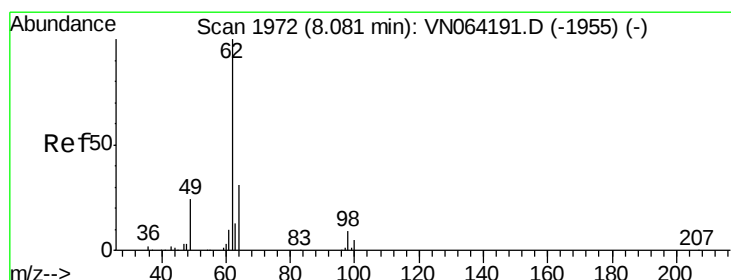
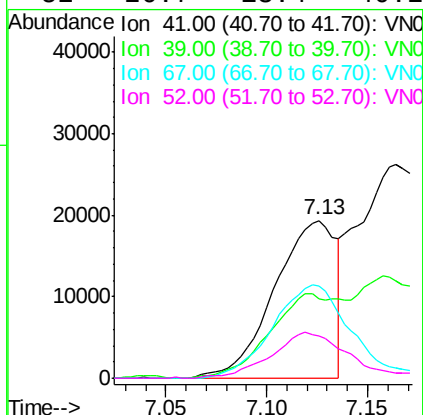
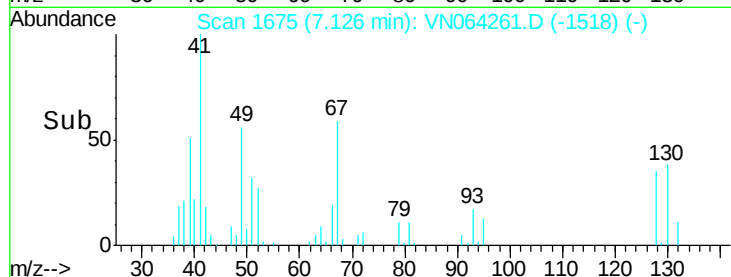
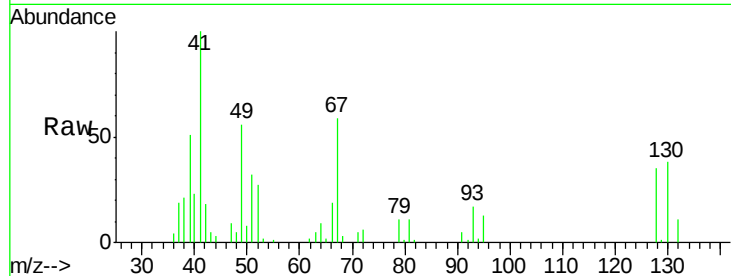
#35
Methacrylonitrile
Concen: 20.650 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		40971		
39	50.5	32.1	96.3		
67	58.7	28.9	86.8		
52	26.7	13.4	40.2		

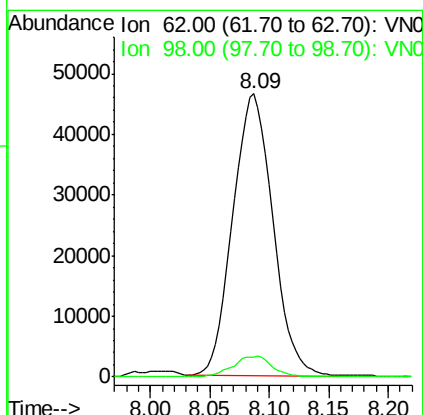
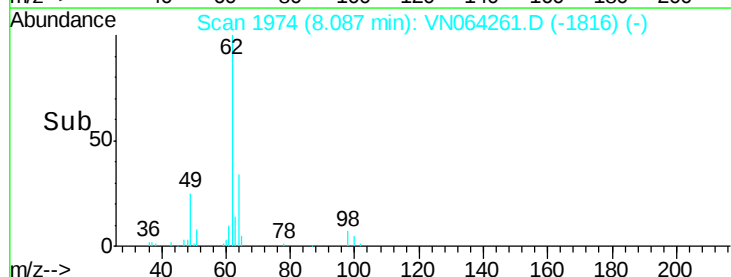
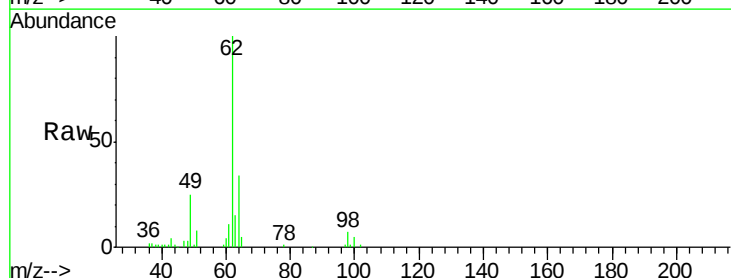
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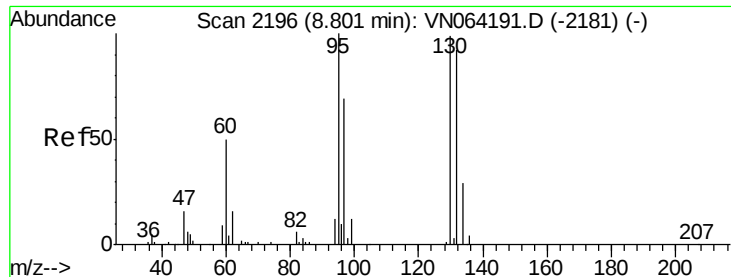
MMDadoda
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#36
1,2-Dichloroethane
Concen: 22.004 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		108705		
98	4.0	6.3	9.5#		





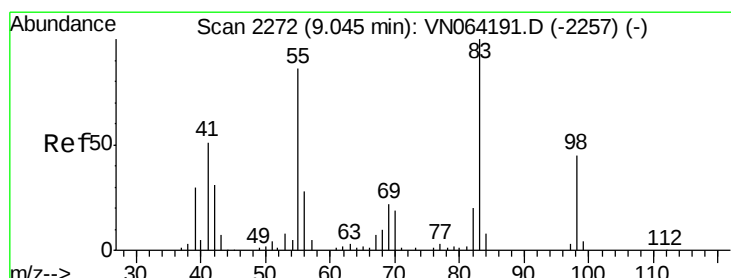
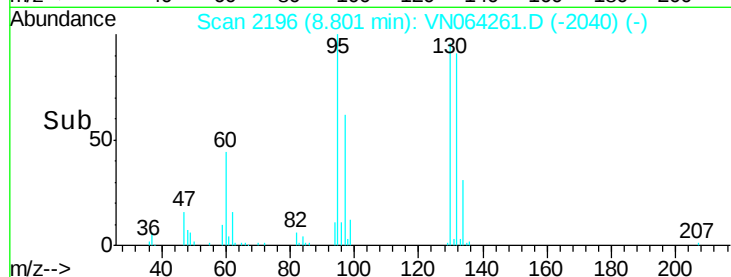
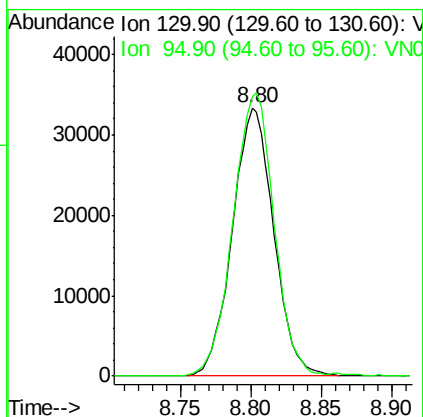
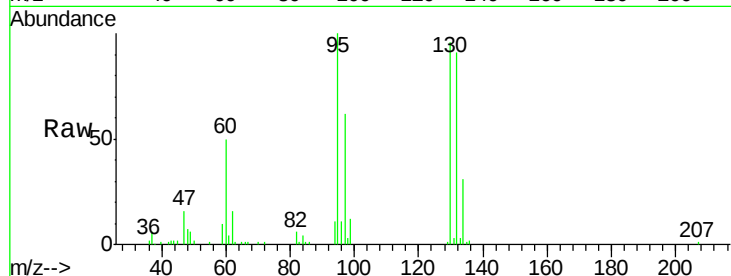
#37
 Trichloroethene
 Concen: 20.358 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion:130 Resp: 68464
 Ion Ratio Lower Upper
 130 100
 95 103.6 81.0 121.4

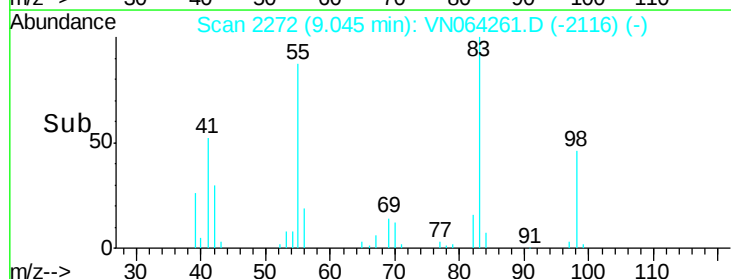
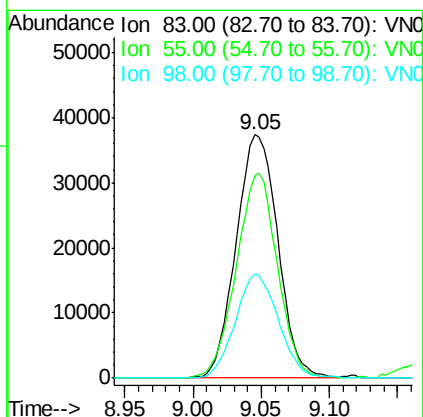
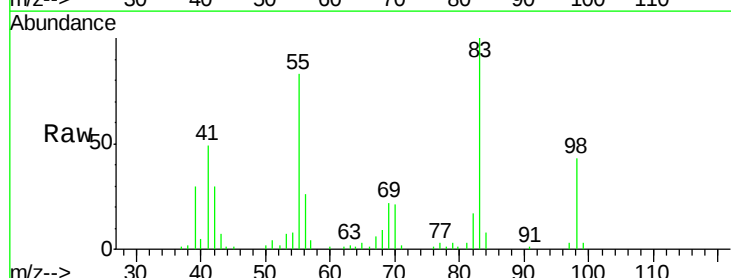
Manual Integrations
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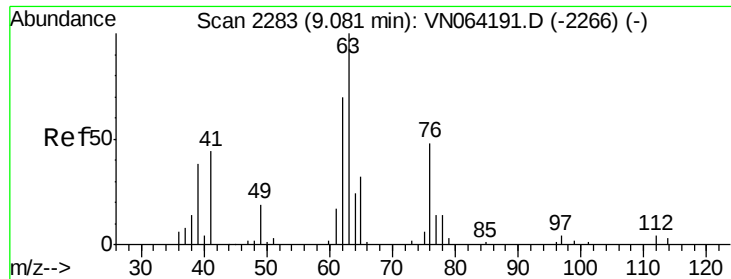
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.012 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 83 Resp: 79756
 Ion Ratio Lower Upper
 83 100
 55 82.7 40.3 120.9
 98 43.8 22.4 67.0





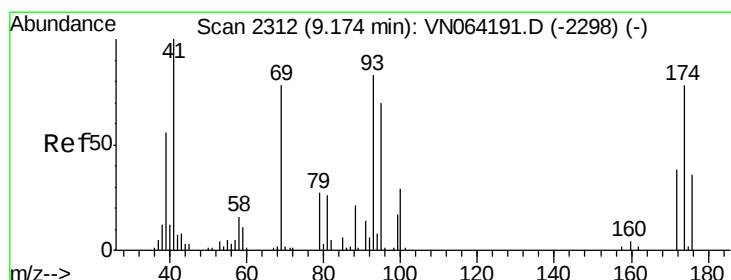
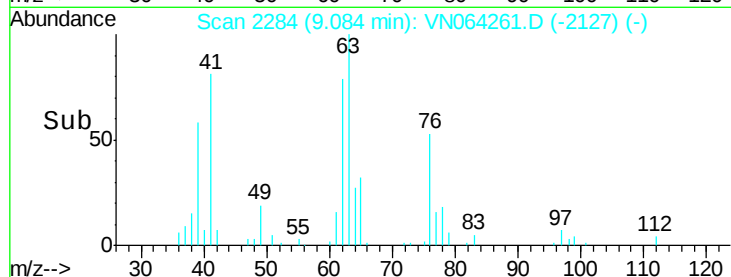
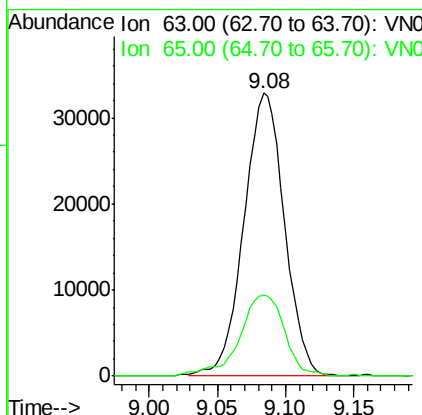
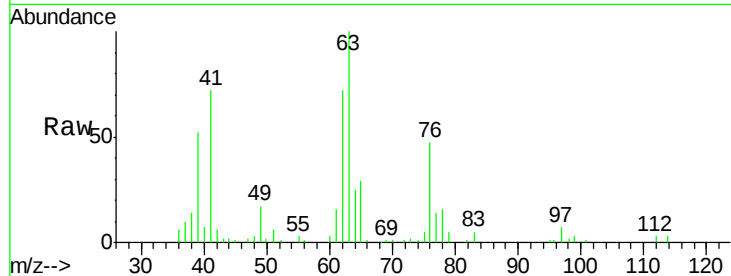
#39
 1,2-Dichloropropane
 Concen: 20.834 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion: 63 Resp: 67912
 Ion Ratio Lower Upper
 63 100
 65 28.9 26.5 39.7

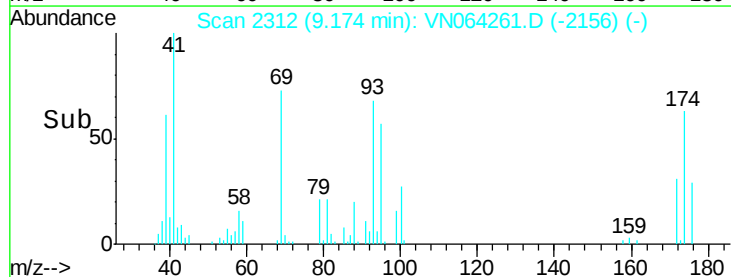
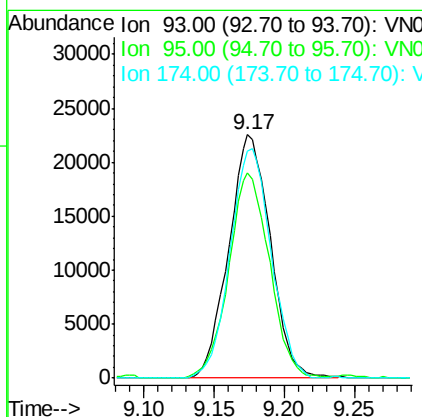
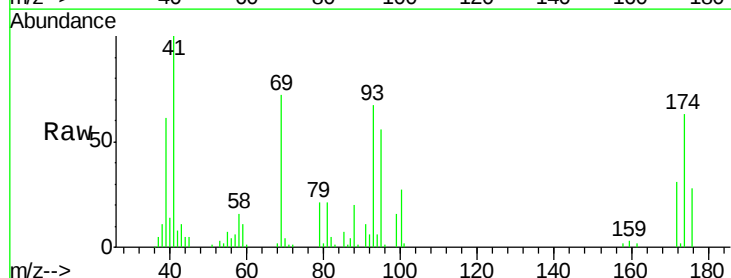
Manual Integrations
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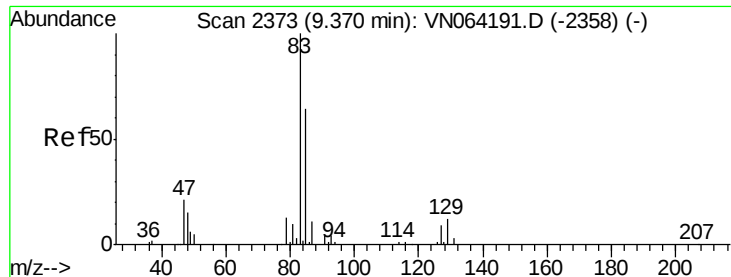
MMDadoda
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#40
 Dibromomethane
 Concen: 20.518 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion: 93 Resp: 46534
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 169.2
 174 93.1 0.0 187.4





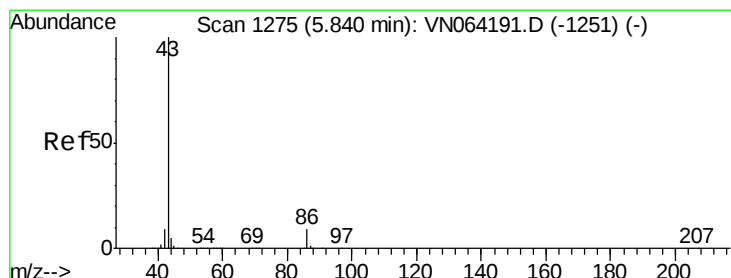
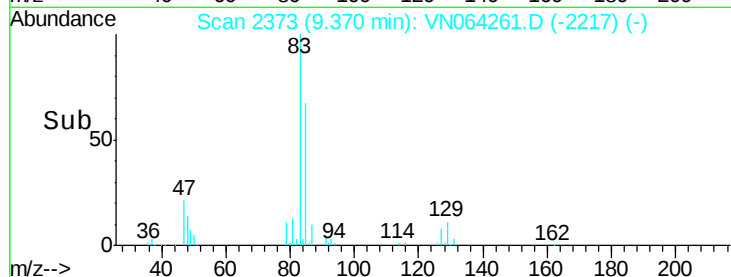
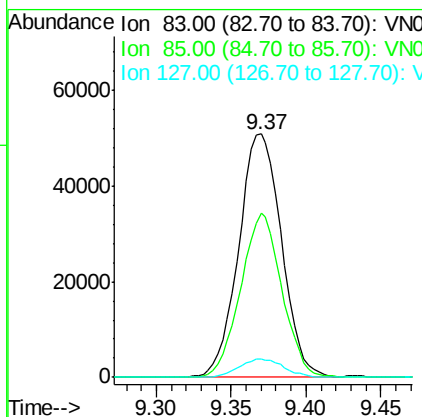
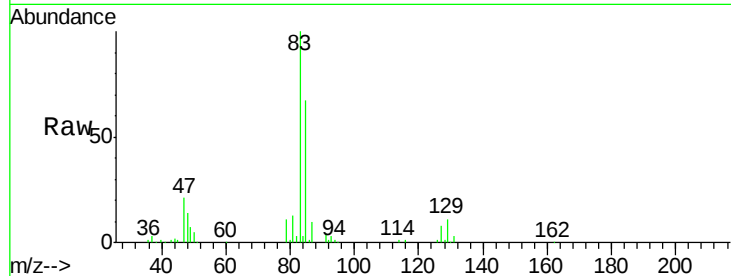
#41
 Bromodichloromethane
 Concen: 20.646 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion	83	Resp	101337
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	51.5	77.3
127	7.6	6.8	10.2

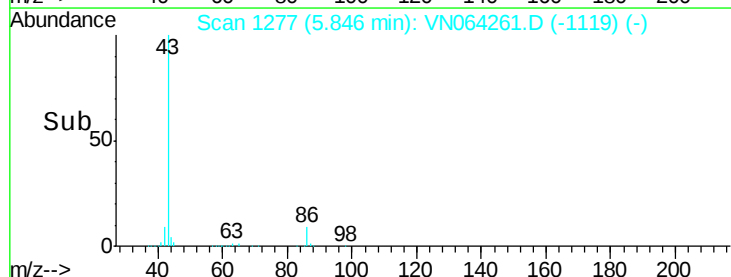
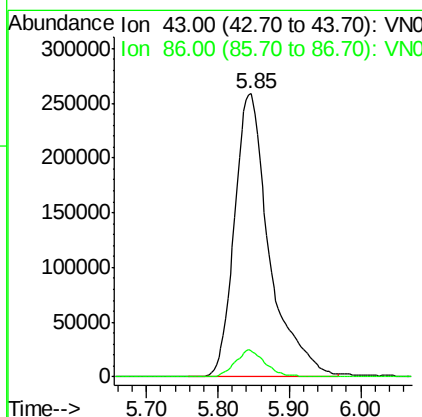
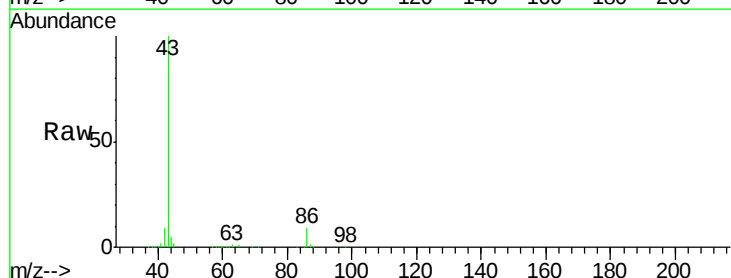
Manual Integrations
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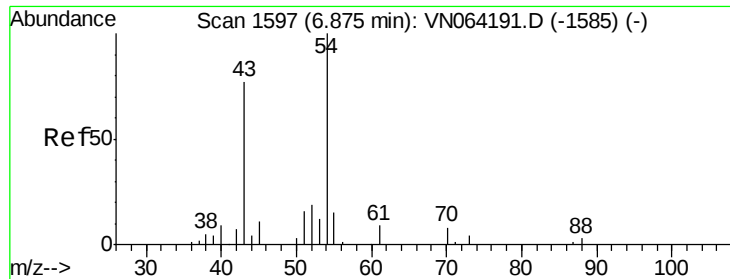
MMDadoda
 10/23/2020 3:37:25 PM



#42
 Vinyl Acetate
 Concen: 102.763 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	43	Resp	882444
Ion Ratio	100	Lower	Upper
43	100		
86	8.0	6.7	10.1





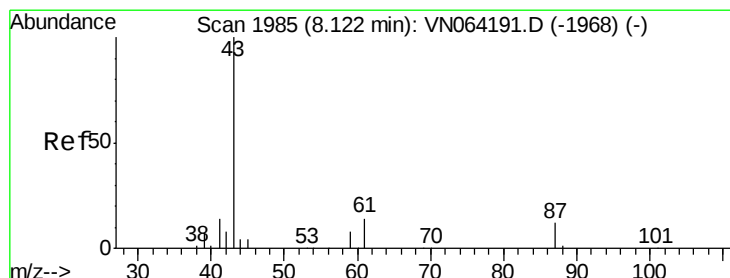
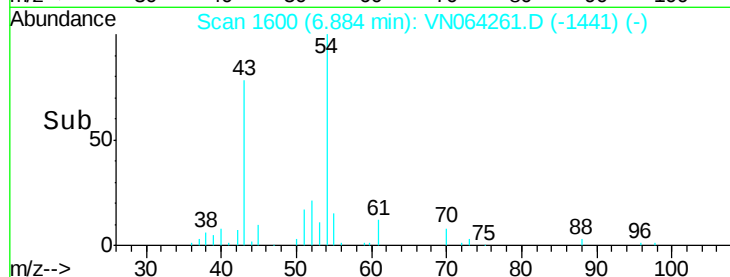
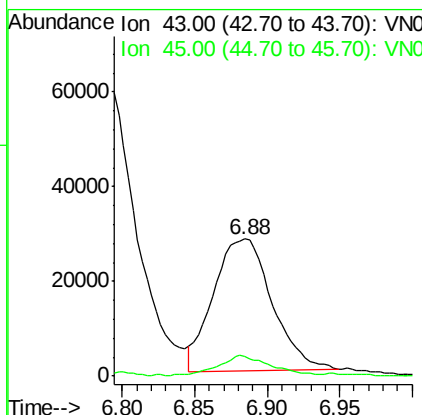
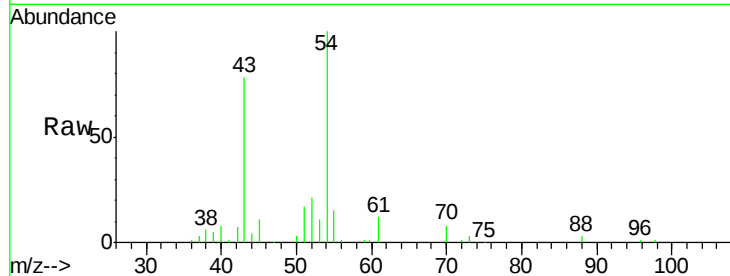
#43
Ethyl Acetate
Concen: 19.751 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion: 43 Resp: 78025
Ion Ratio Lower Upper
43 100
45 13.5 9.8 14.8

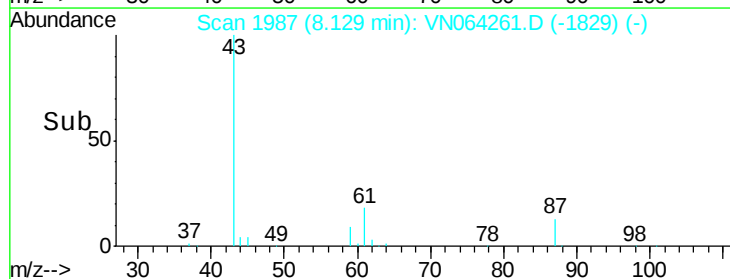
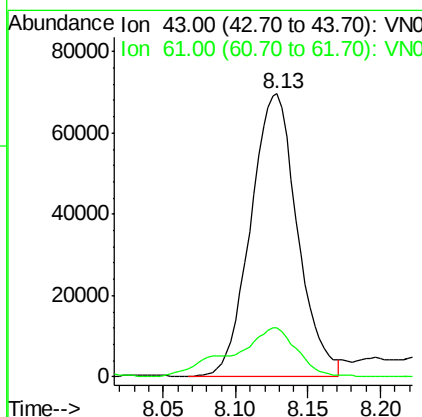
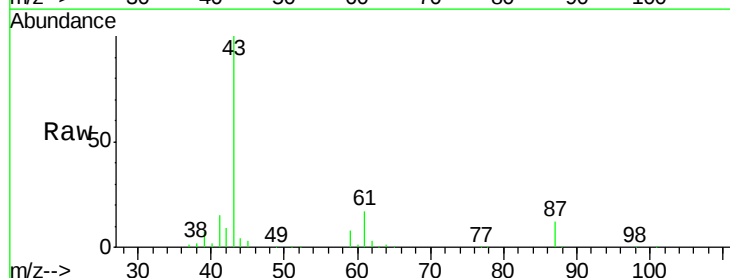
Manual Integrations
APPROVED

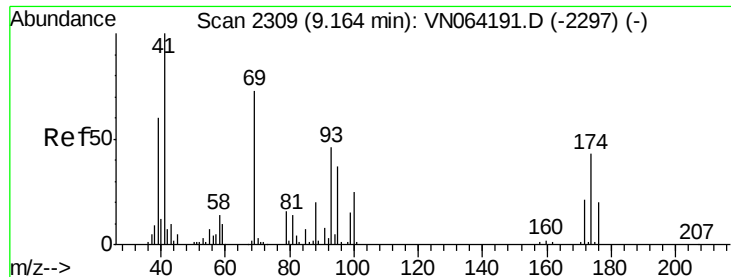
MMDadoda
10/23/2020 3:37:25 PM



#44
Isopropyl Acetate
Concen: 20.486 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.01 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 43 Resp: 155367
Ion Ratio Lower Upper
43 100
61 17.5 18.7 28.1#





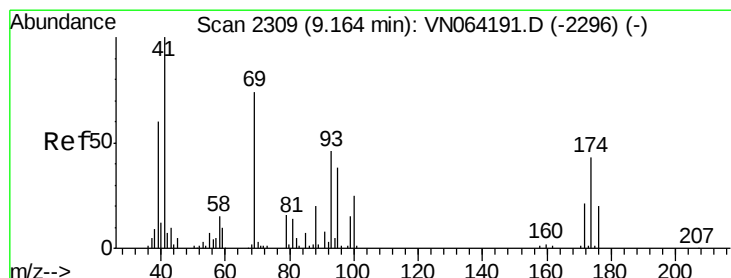
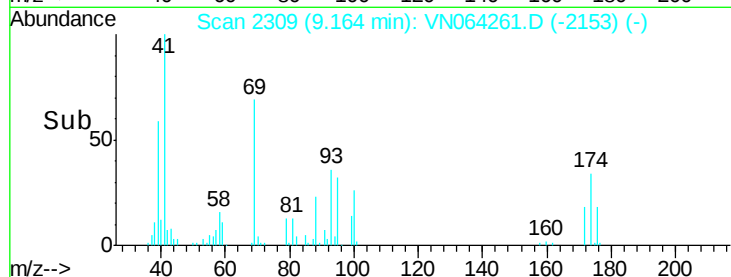
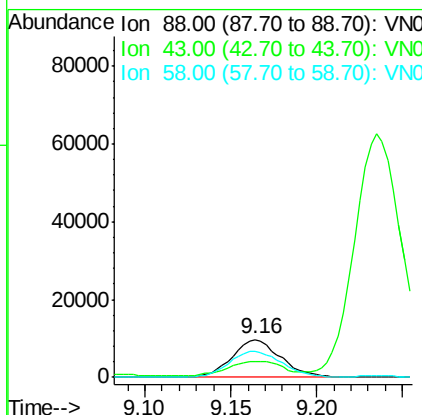
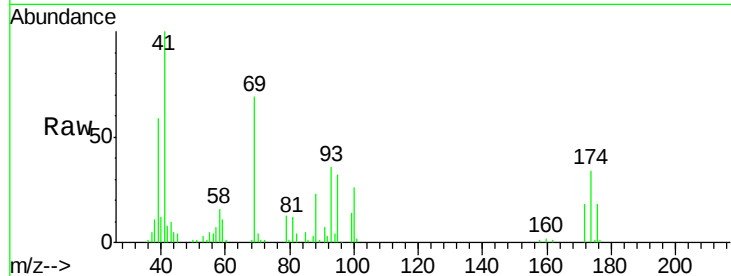
#45
1,4-Dioxane
Concen: 430.594 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.5	37.0	55.4
58	74.5	62.4	93.6

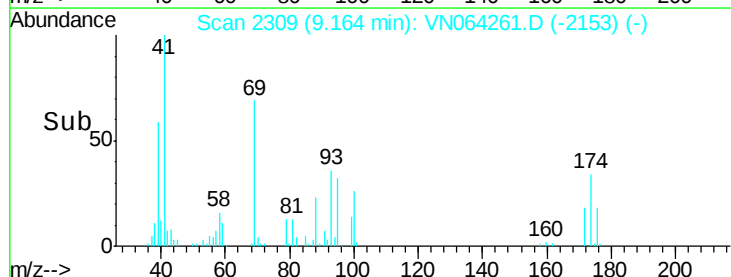
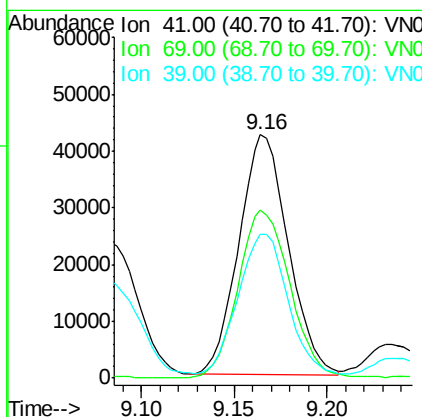
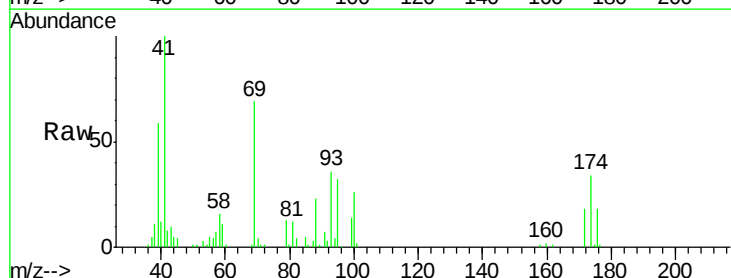
Manual Integrations
APPROVED

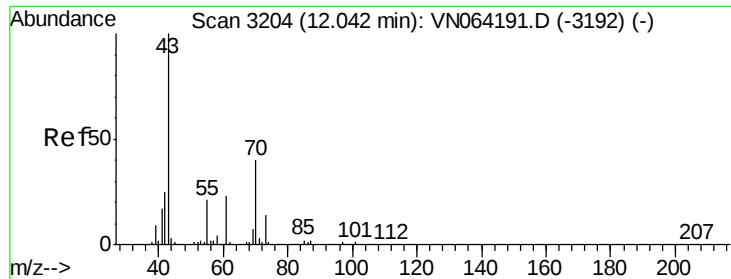
MMDadoda
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#46
Methyl methacrylate
Concen: 21.786 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.6	36.8	110.4
39	58.0	30.4	91.2





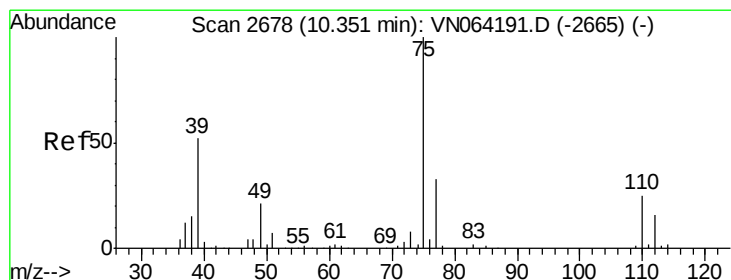
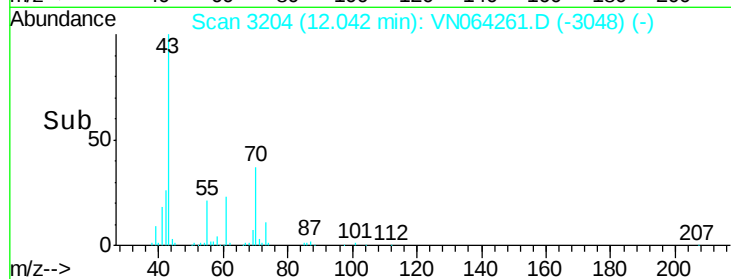
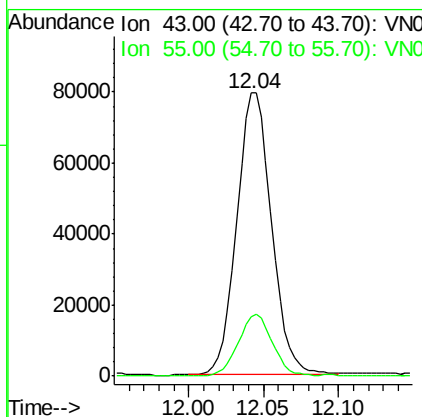
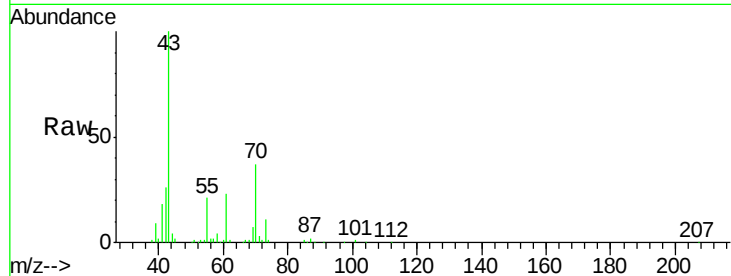
#47
n-amvl Acetate
Concen: 19.104 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion: 43 Resp: 128536
Ion Ratio Lower Upper
43 100
55 21.6 17.6 26.4

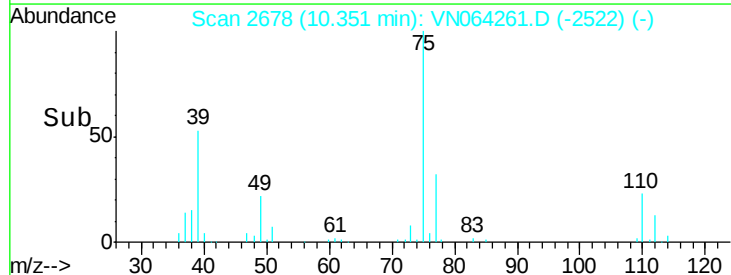
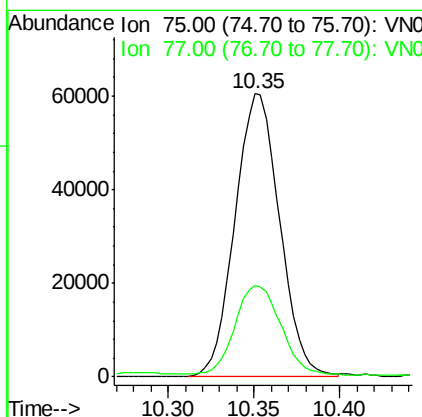
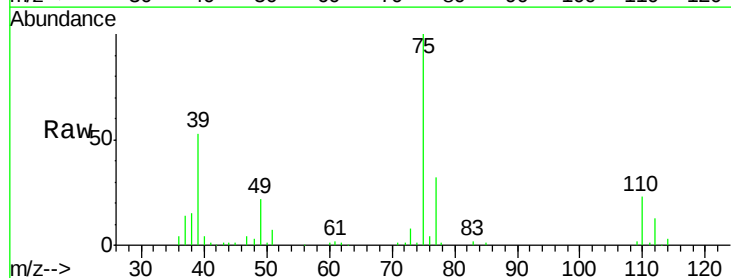
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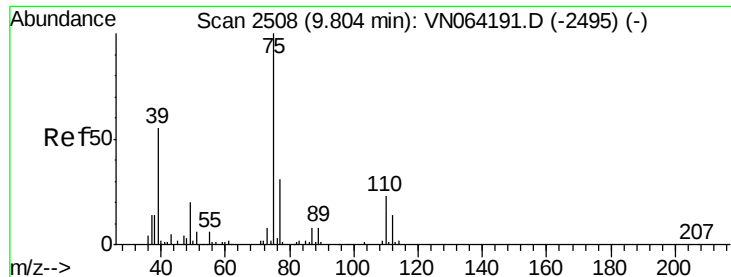
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#48
t-1,3-Dichloropropene
Concen: 19.741 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion: 75 Resp: 109280
Ion Ratio Lower Upper
75 100
77 31.5 27.4 41.2





#49

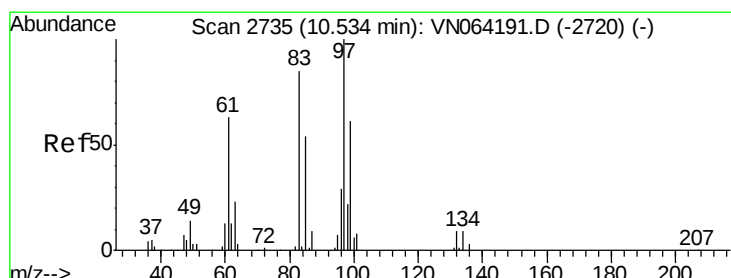
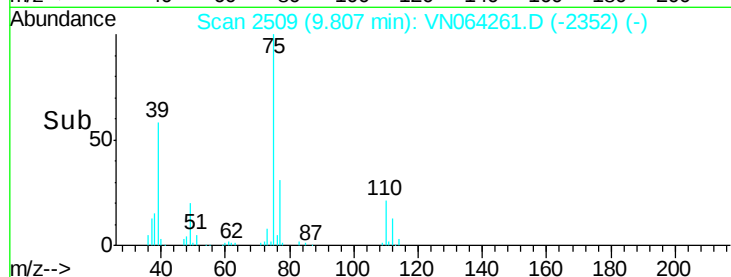
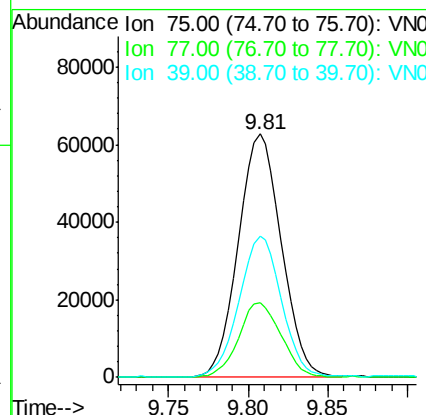
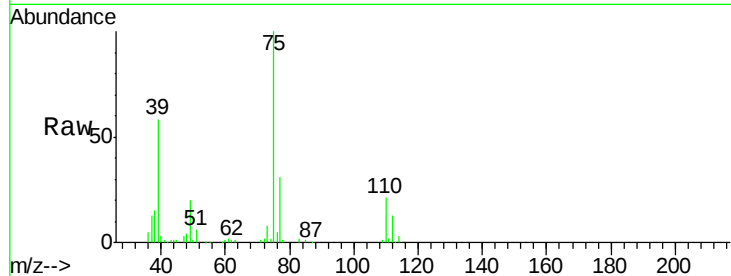
cis-1,3-Dichloropropene
 Concen: 20.153 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.5	36.7
39	57.4	43.8	65.8

Manual Integrations
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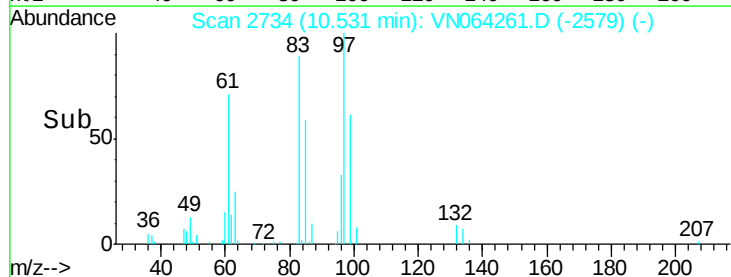
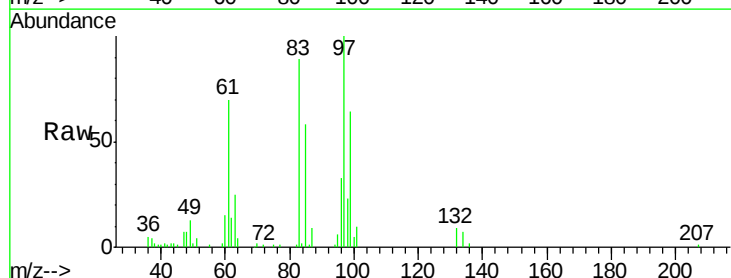
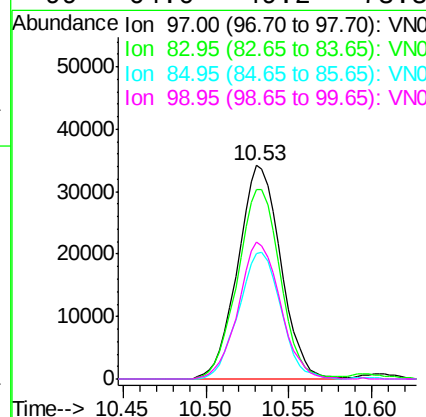
MMDadoda
 10/23/2020 3:37:25 PM

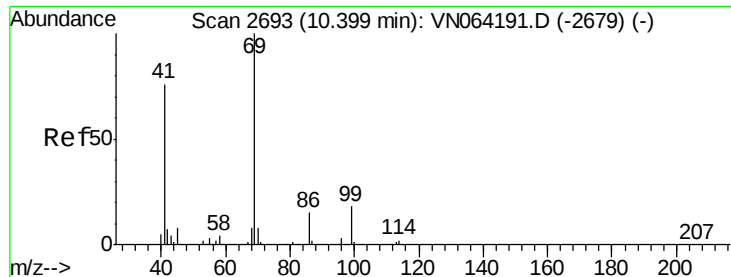


#50

1,1,2-Trichloroethane
 Concen: 20.339 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.7	101.5
85	58.5	43.2	64.8
99	64.0	49.2	73.8





#51

Ethyl methacrylate

Concen: 19.918 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

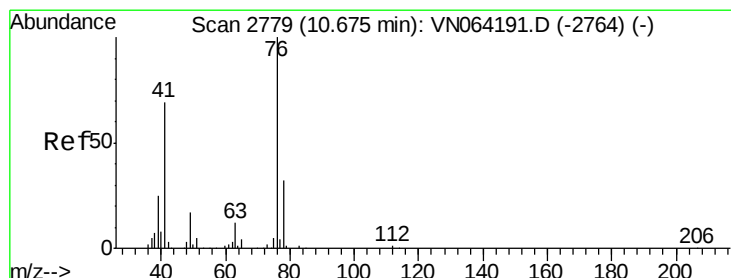
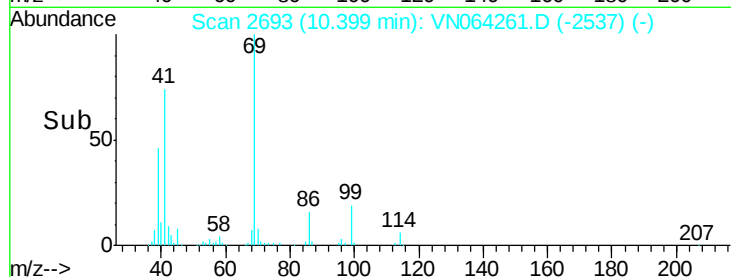
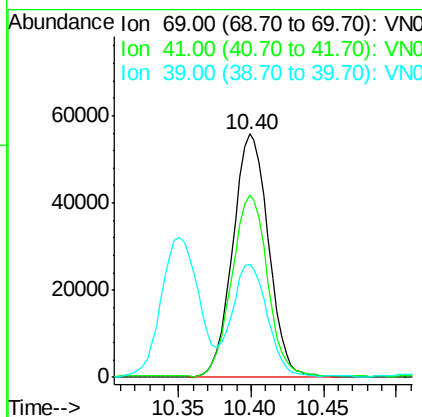
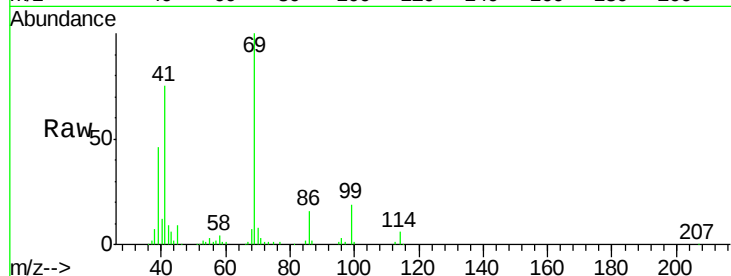
ClientSampleId :

VN1022WBSD01

Tot Ion:	69	Resp:	95701
Ion	Ratio	Lower	Upper
69	100		
41	74.1	38.0	114.1
39	45.8	21.4	64.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.893 ug/l

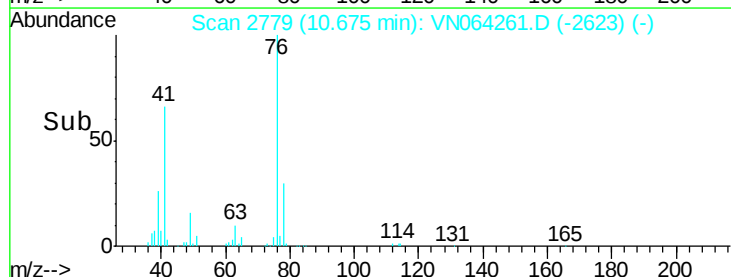
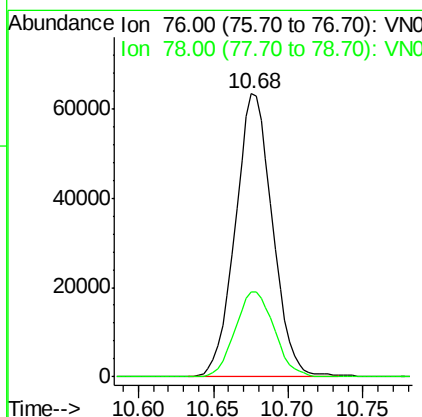
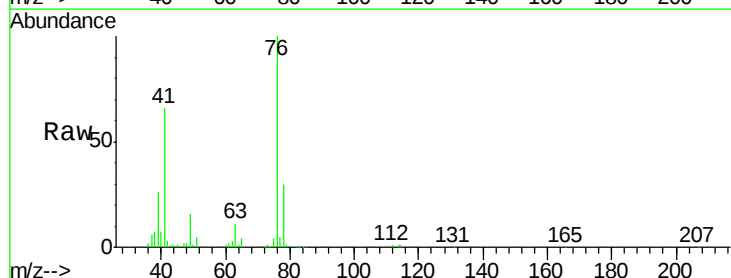
RT: 10.68 min Scan# 2779

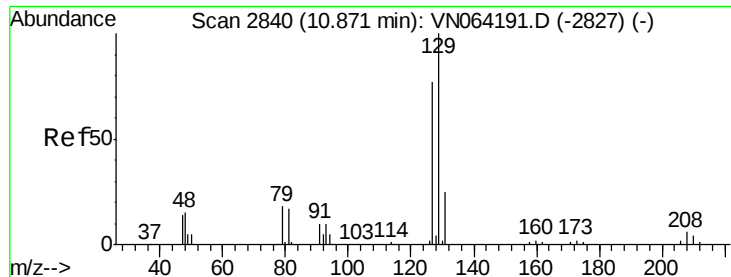
Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion:	76	Resp:	109444
Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	64.4





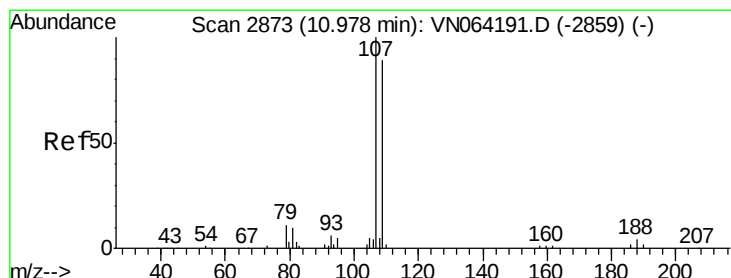
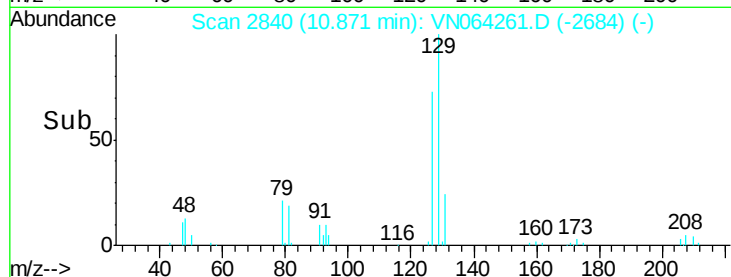
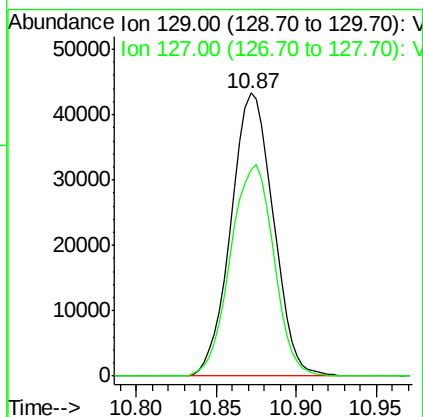
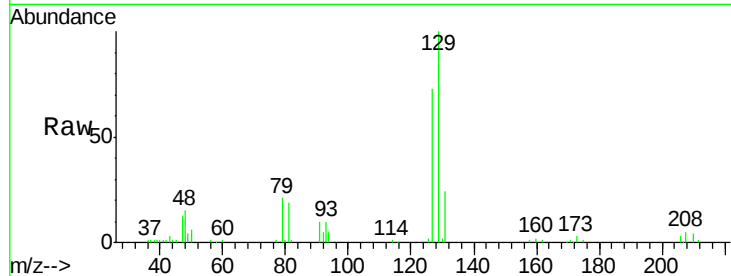
#53
 Dibromochloromethane
 Concen: 20.452 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion:129 Resp: 78213
 Ion Ratio Lower Upper
 129 100
 127 76.5 39.0 117.0

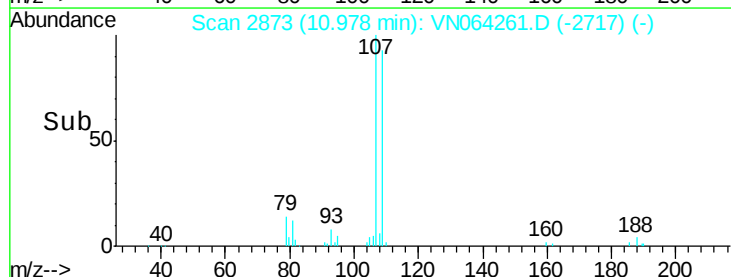
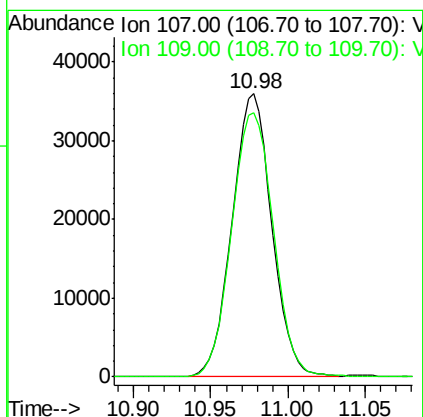
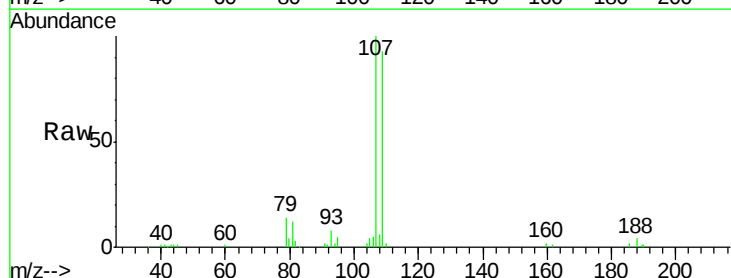
Manual Integrations
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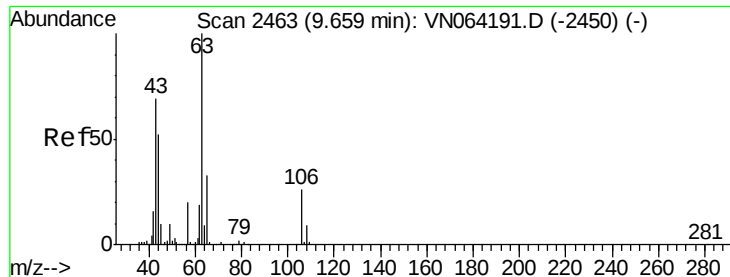
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 10/23/2020 3:37:25 PM



#54
 1,2-Dibromoethane
 Concen: 19.820 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion:107 Resp: 64012
 Ion Ratio Lower Upper
 107 100
 109 98.5 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 94.033 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

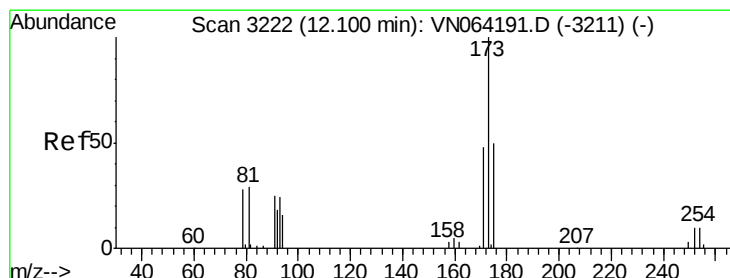
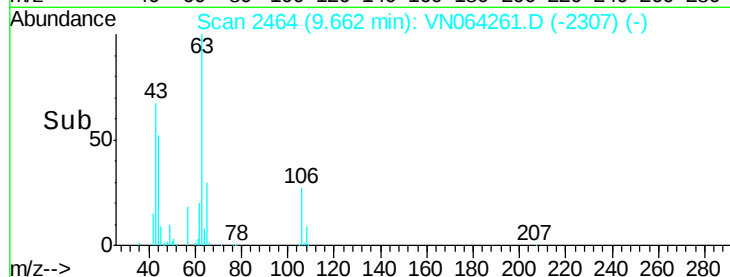
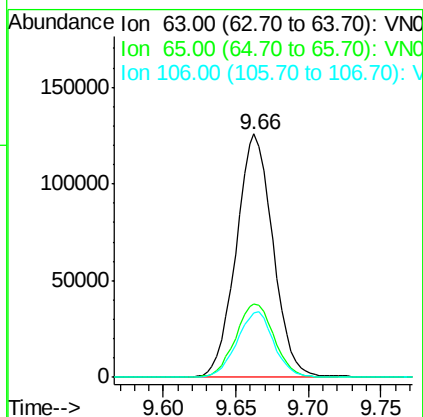
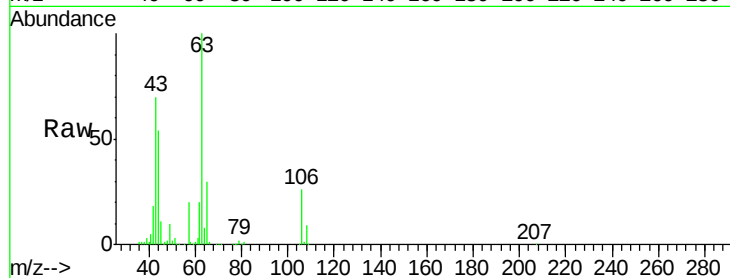
VN1022WBSD01

Tot Ion: 63 Resp: 222047

Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9
106	27.0	21.4	32.2

Manual Integrations
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#56

Bromoform

Concen: 19.738 ug/l

RT: 12.10 min Scan# 3222

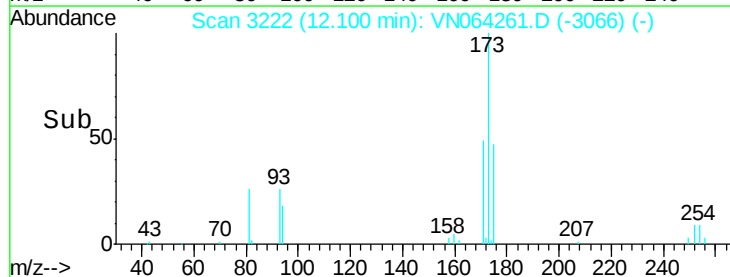
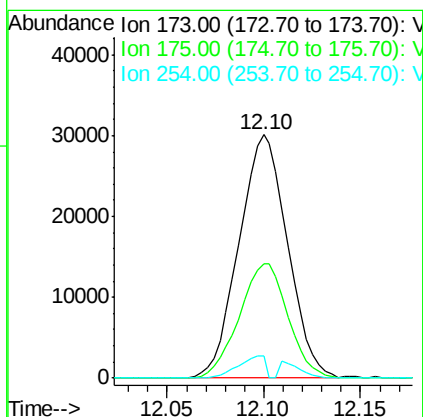
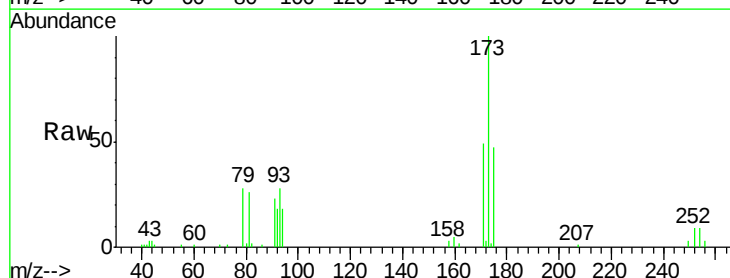
Delta R.T. 0.00 min

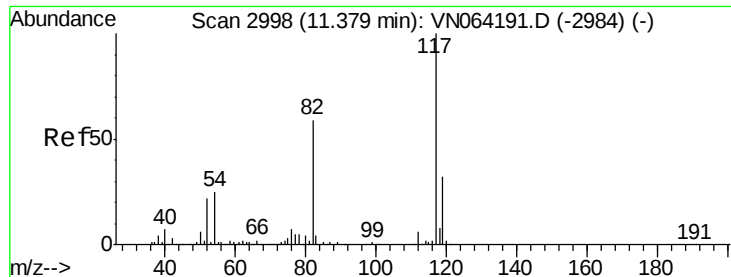
Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion: 173 Resp: 52567

Ion	Ratio	Lower	Upper
173	100		
175	47.2	39.0	58.4
254	5.0	6.8	10.2





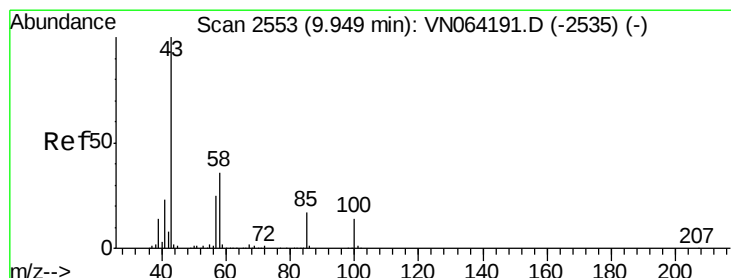
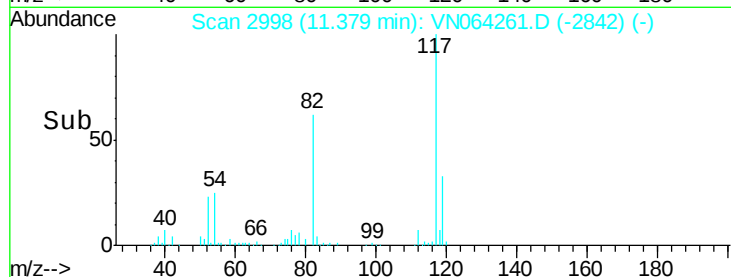
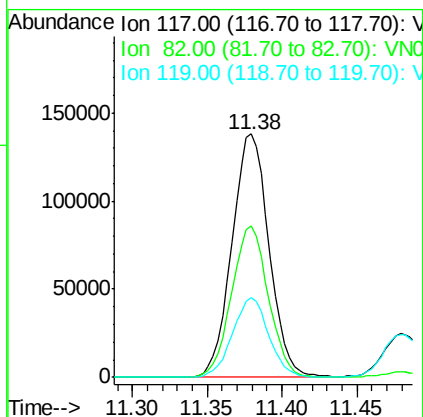
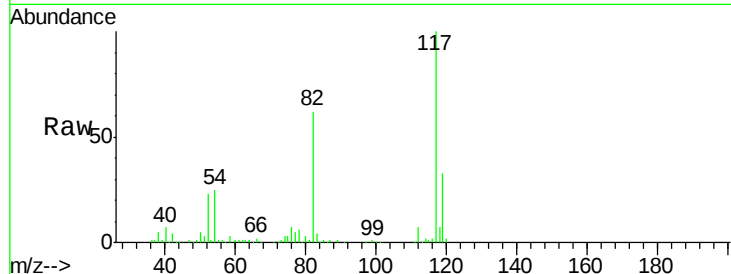
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	238676		
82	61.4	47.8	71.8	
119	31.9	25.7	38.5	

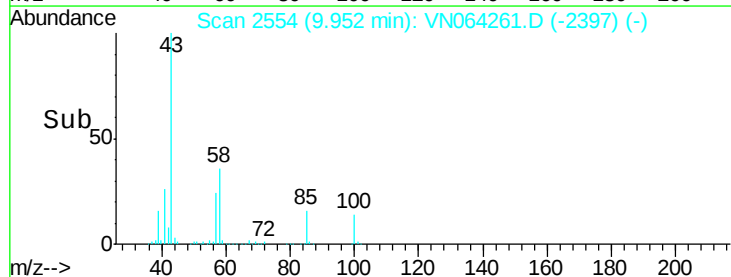
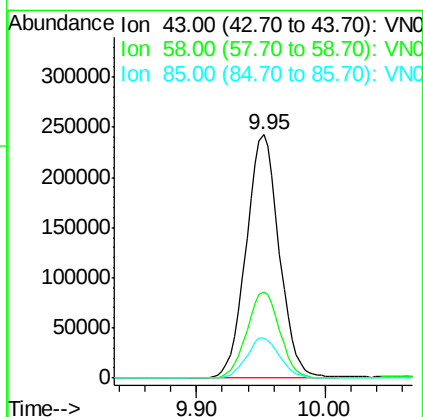
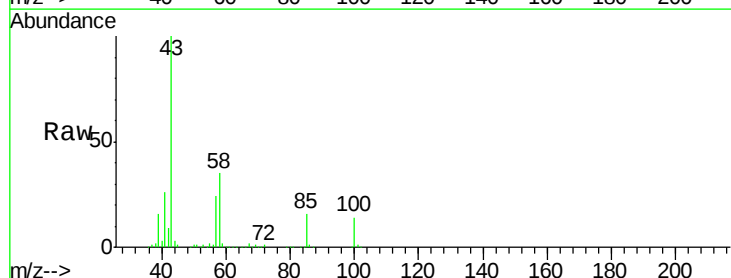
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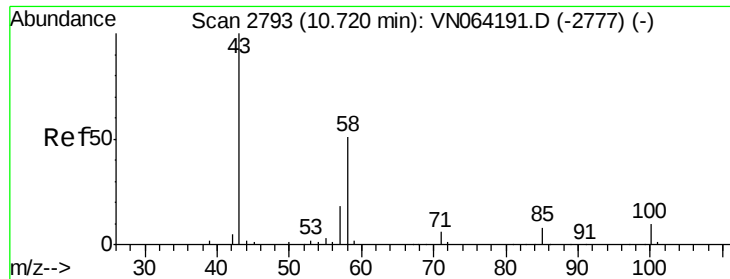
MMDadoda
10/23/2020 3:37:25 PM



#58
4-Methyl-2-Pentanone
Concen: 106.134 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	429261		
58	35.7	29.5	44.3	
85	16.6	13.7	20.5	





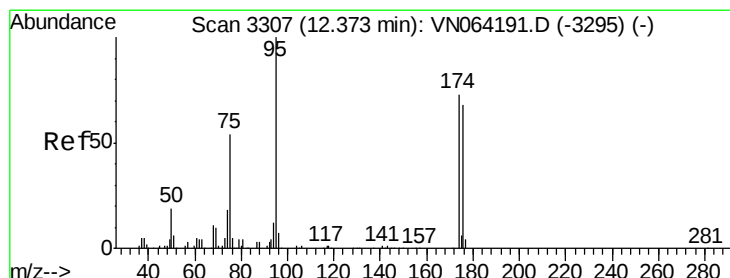
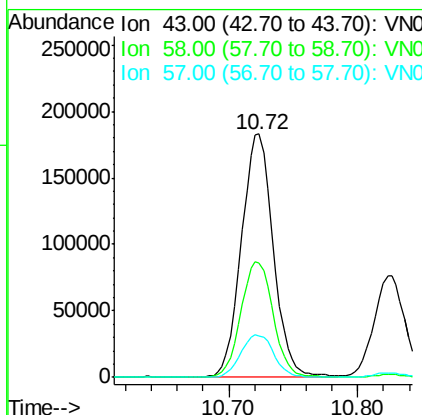
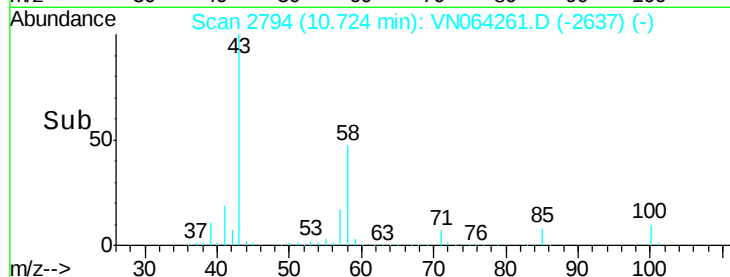
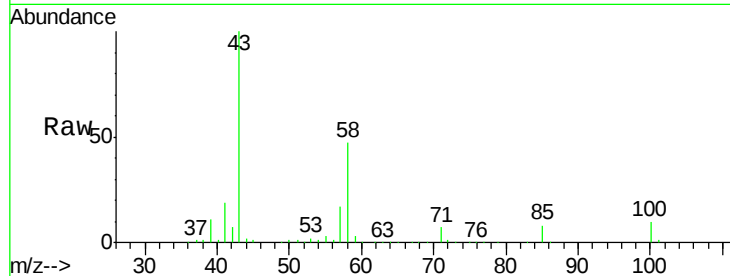
#59
2-Hexanone
Concen: 104.496 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.4	40.2	60.4
57	18.3	14.8	22.2

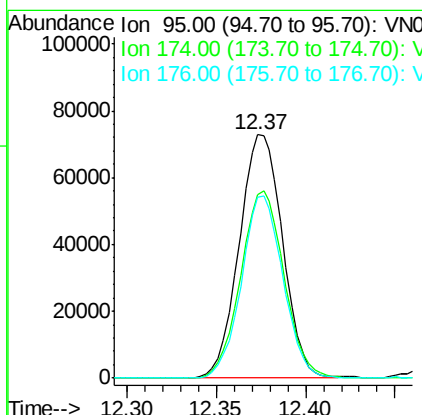
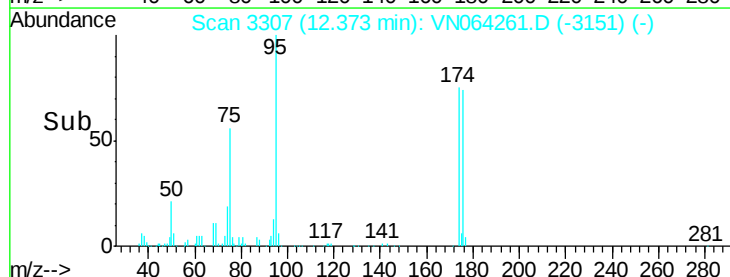
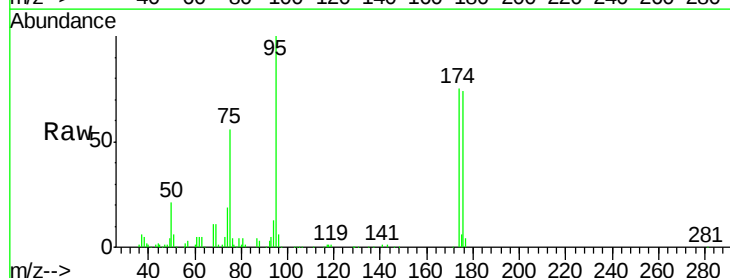
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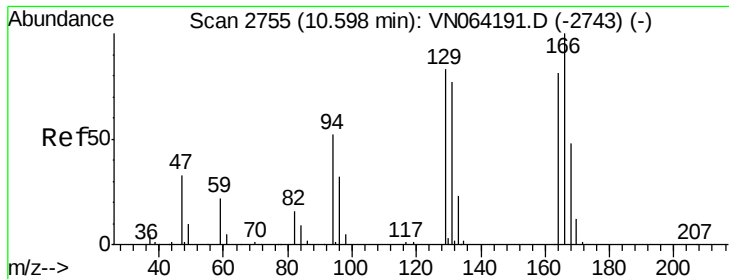
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 28.998 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	57.6	86.4
176	71.7	54.9	82.3





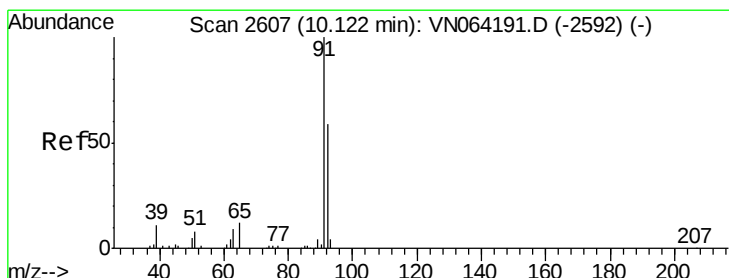
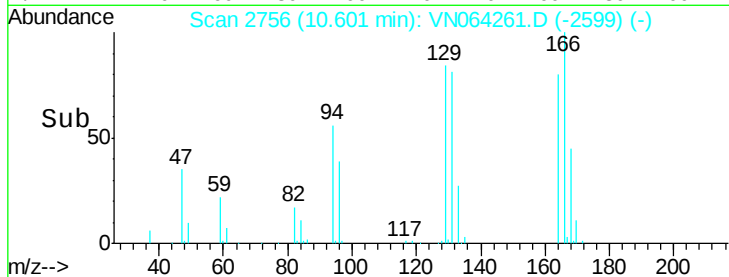
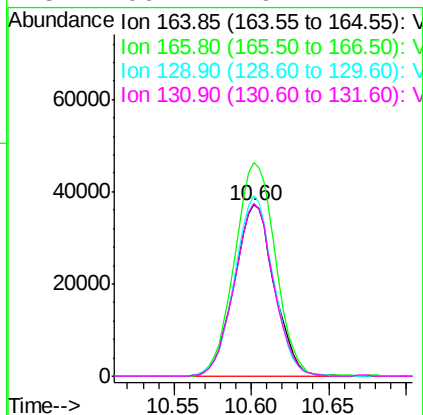
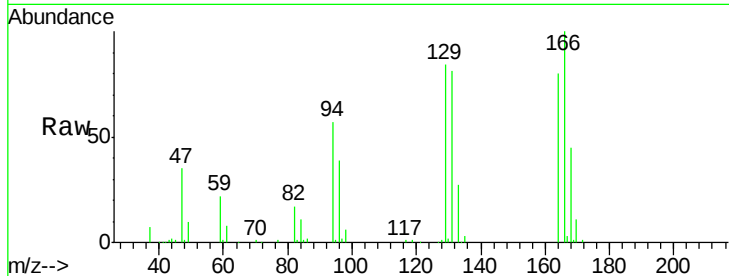
#61
Tetrachloroethene
Concen: 20.835 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.8	99.2	148.8
129	105.2	82.8	124.2
131	100.7	76.2	114.4

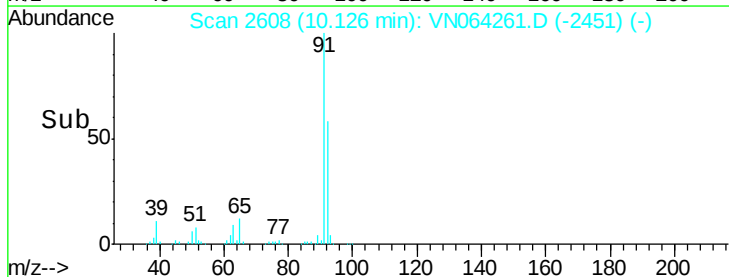
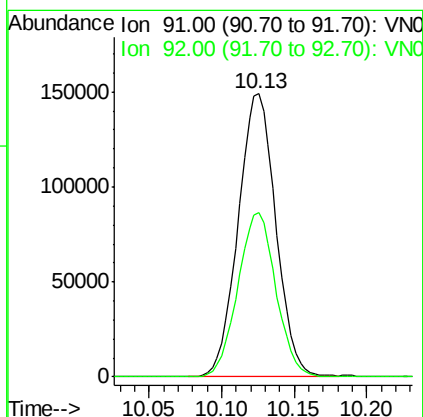
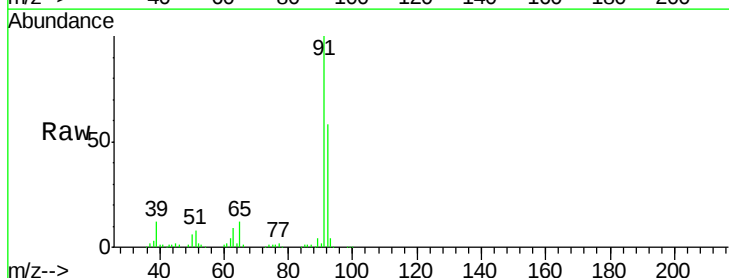
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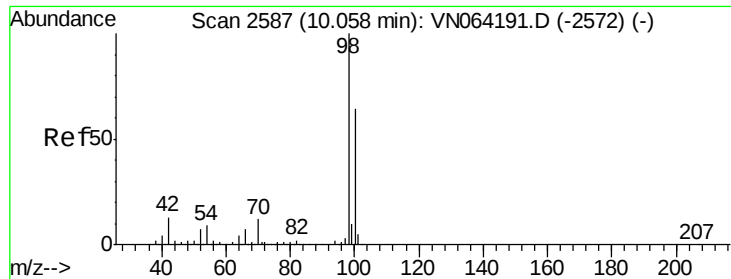
MMDadoda
10/23/2020 3:37:25 PM



#62
Toluene
Concen: 19.756 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	46.8	70.2





#63

Toluene-d8

Concen: 29.618 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion: 98 Resp: 320042

Ion Ratio Lower Upper

98 100

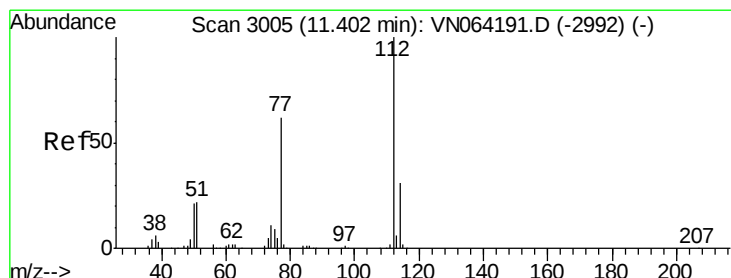
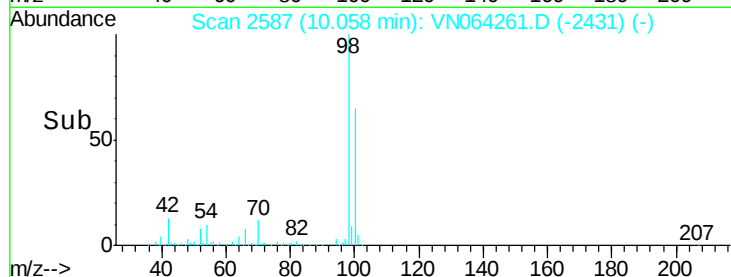
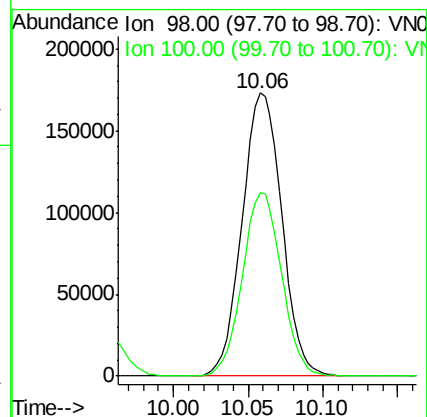
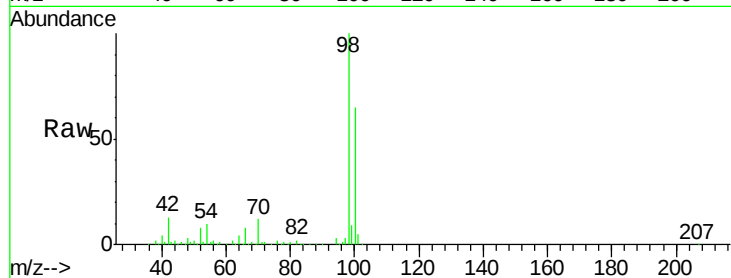
100 63.5 51.4 77.2

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#64

Chlorobenzene

Concen: 20.140 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064261.D

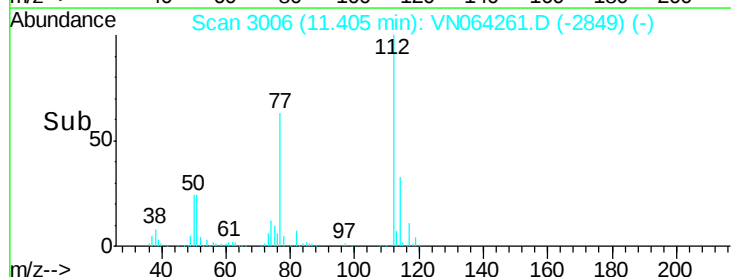
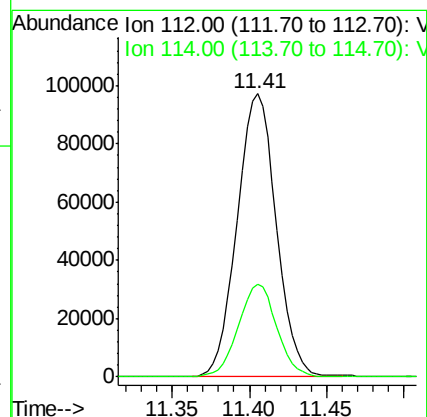
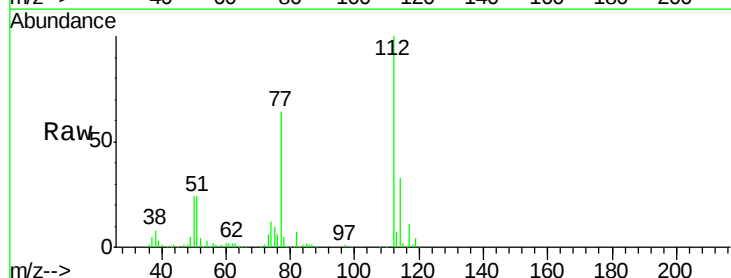
Acq: 22 Oct 2020 19:41

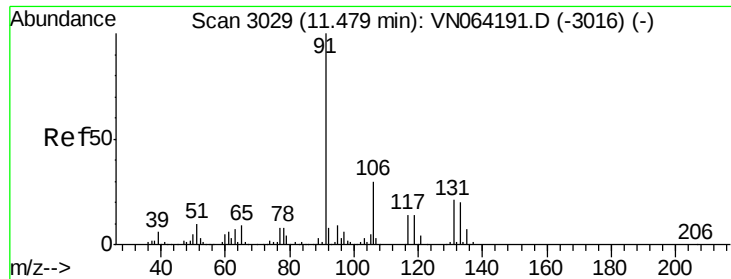
Tgt Ion: 112 Resp: 171133

Ion Ratio Lower Upper

112 100

114 32.9 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.572 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

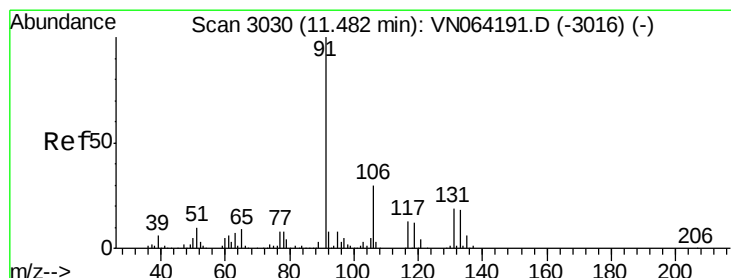
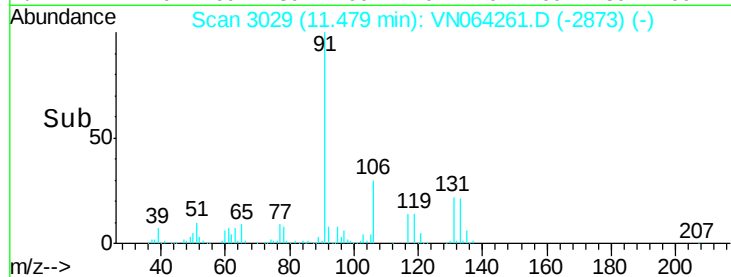
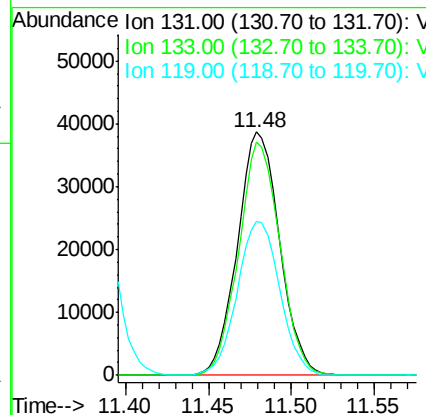
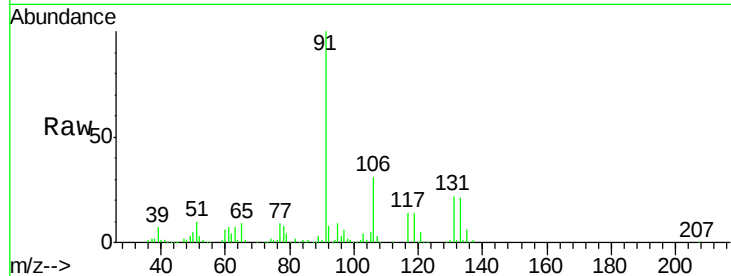
ClientSampleId :

VN1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	68491		
133	93.7	0.0	193.0	
119	63.7	0.0	132.2	

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#66

Ethyl Benzene

Concen: 19.840 ug/l

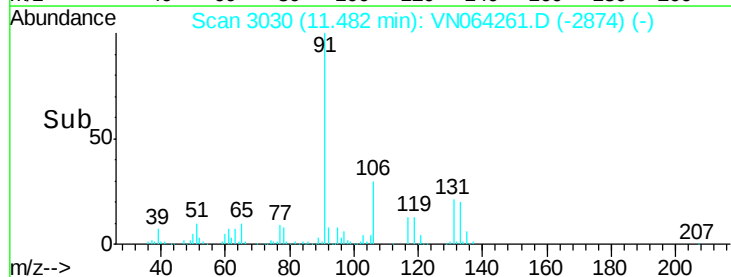
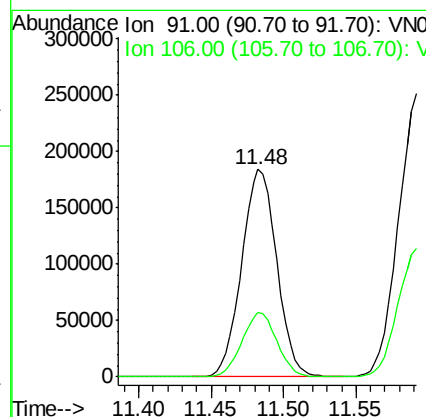
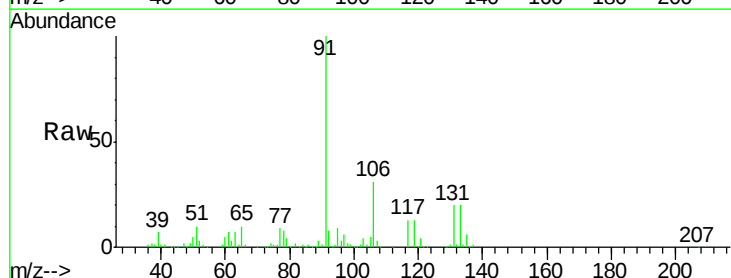
RT: 11.48 min Scan# 3030

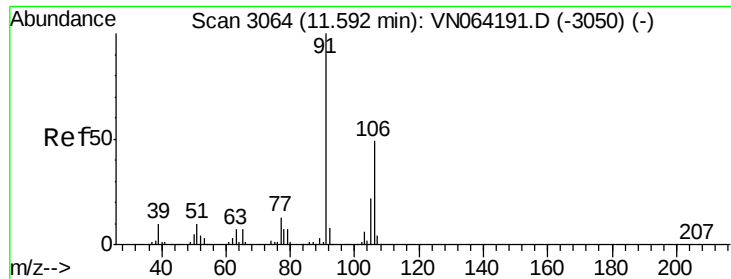
Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	311235		
106	31.2	23.9	35.9	





#67

m/p-Xylenes

Concen: 39.609 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion:106 Resp: 231090

Ion Ratio Lower Upper

106 100

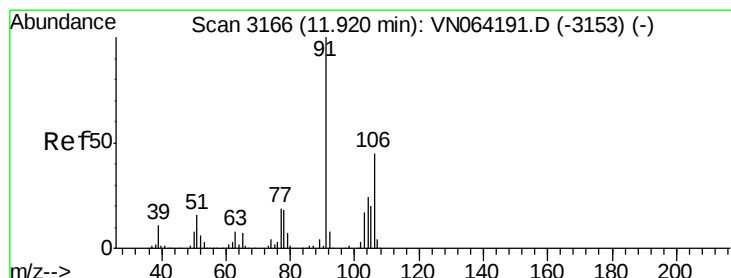
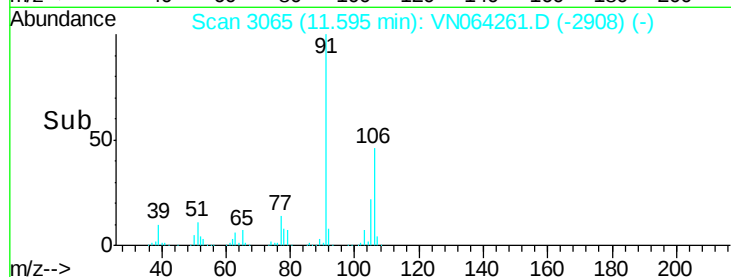
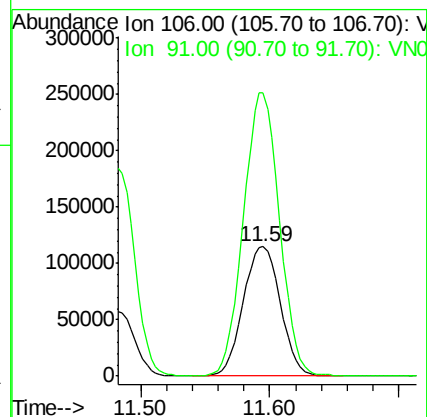
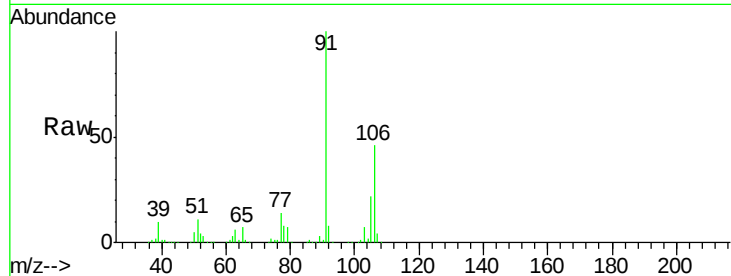
91 211.4 167.9 251.9

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#68

o-Xylene

Concen: 19.377 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064261.D

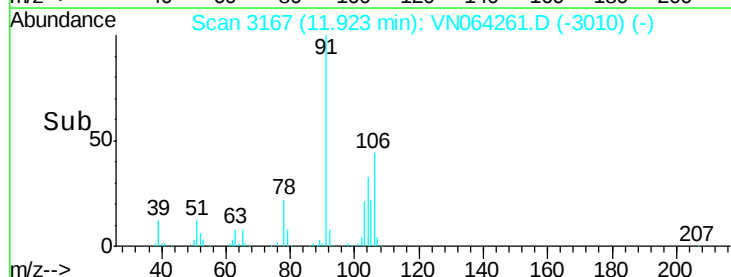
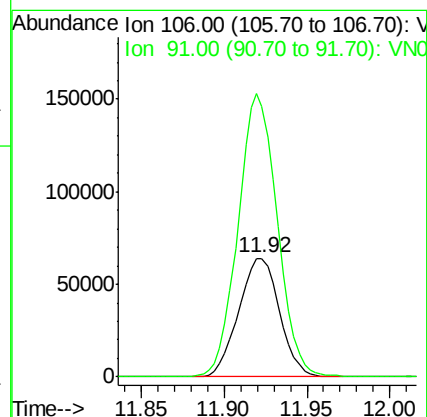
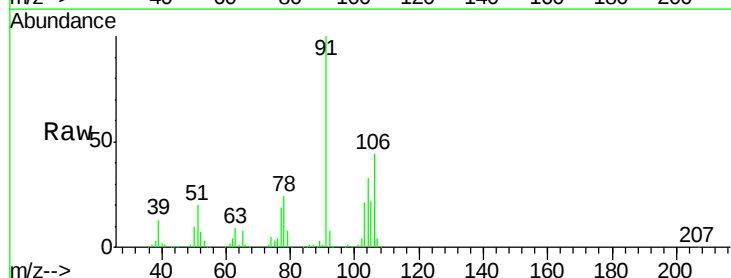
Acq: 22 Oct 2020 19:41

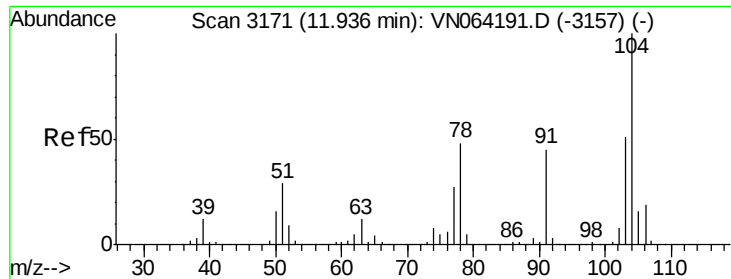
Tgt Ion:106 Resp: 109705

Ion Ratio Lower Upper

106 100

91 228.9 113.9 341.7





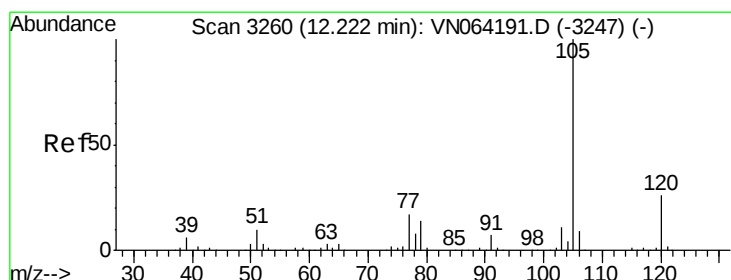
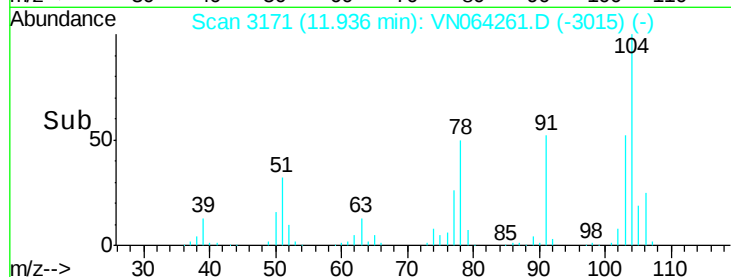
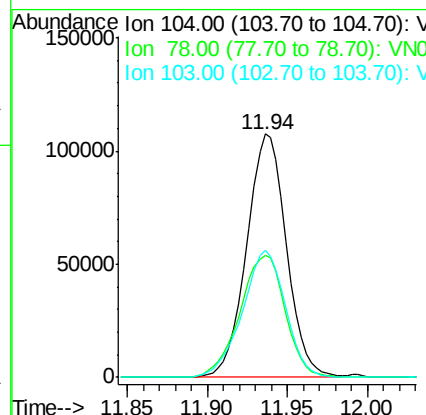
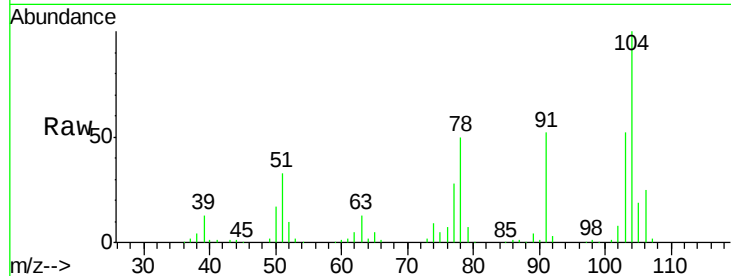
#69
Stvrene
Concen: 19.032 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.3	43.6	65.4
103	56.5	44.8	67.2

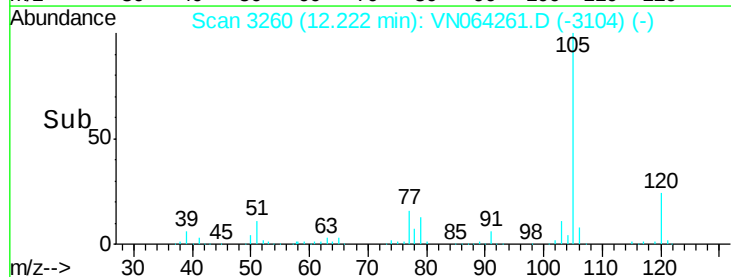
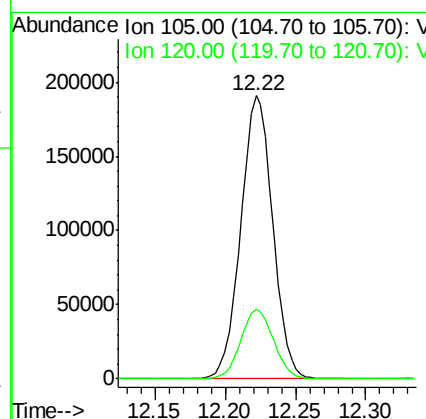
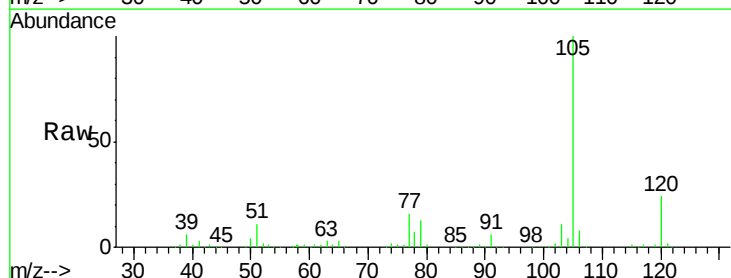
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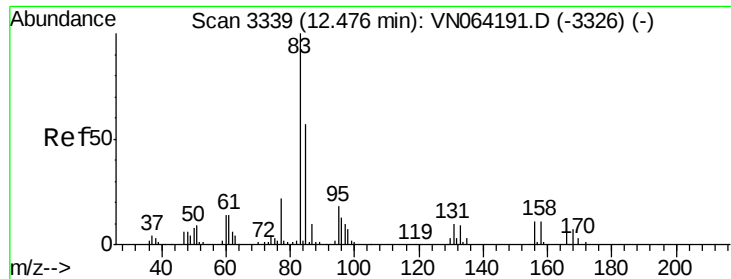
MMDadoda
10/23/2020 3:37:25 PM



#70
Isopropylbenzene
Concen: 20.238 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 19.625 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

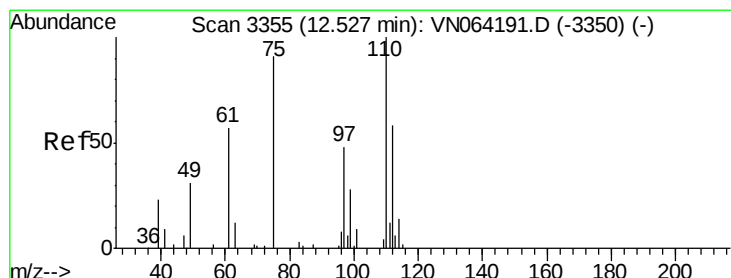
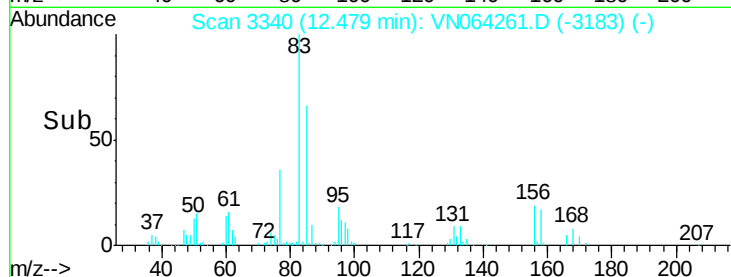
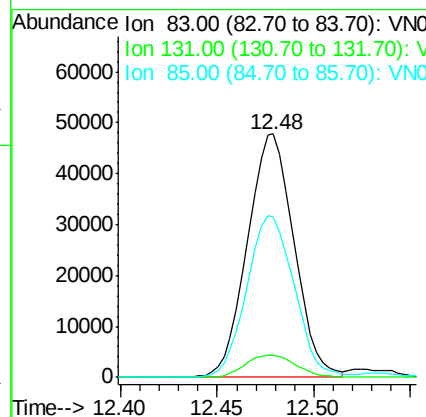
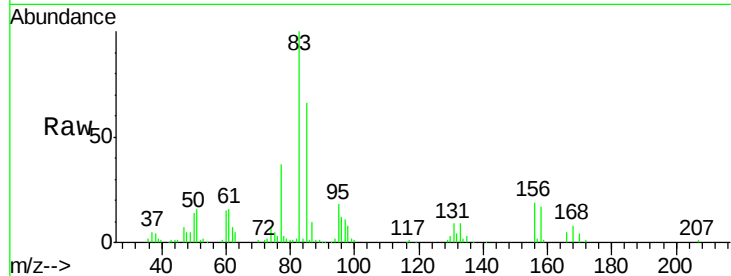
ClientSampleId :

VN1022WBSD01

Tot Ion:	83	Resp:	80411
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.5	16.4
85	67.5	30.8	92.4

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#72

1,2,3-Trichloropropane

Concen: 18.761 ug/l m

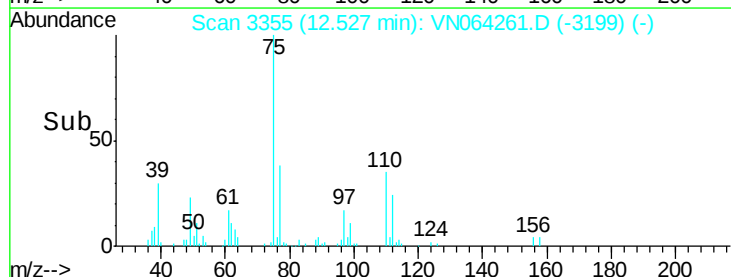
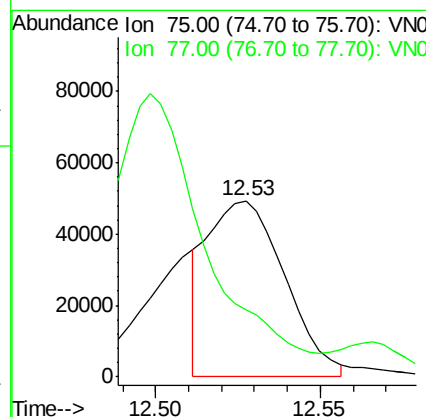
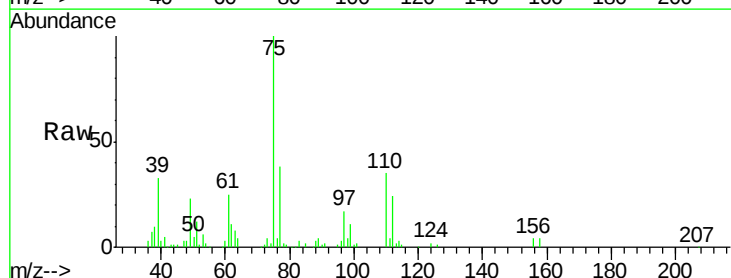
RT: 12.53 min Scan# 3355

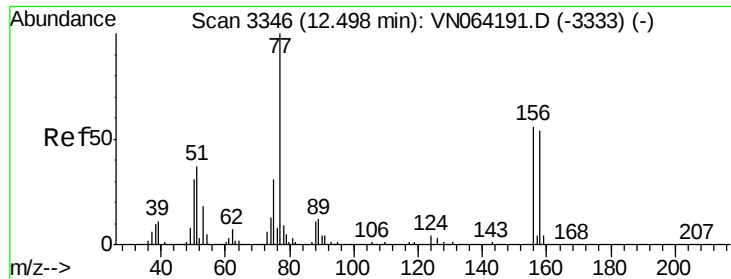
Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion:	75	Resp:	80220
Ion Ratio	Lower	Upper	
75	100		
77	202.7	0.0	417.6





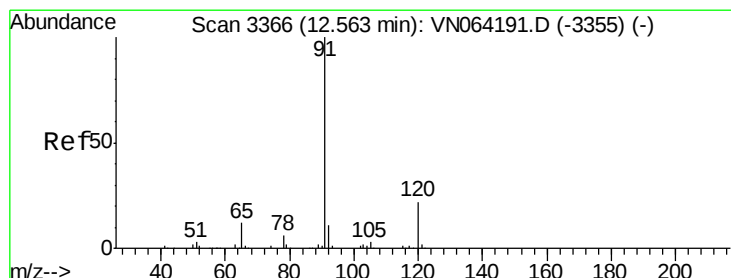
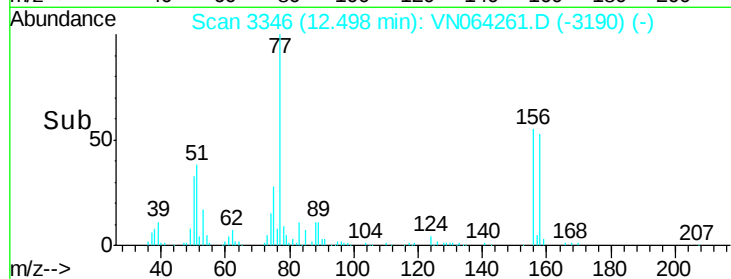
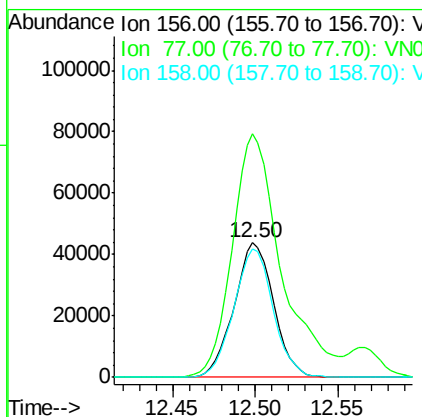
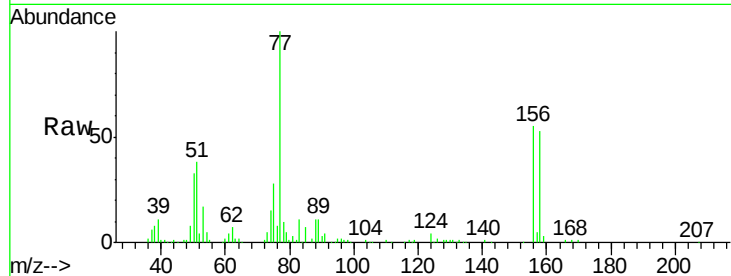
#73
Bromobenzene
Concen: 20.122 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	224.1	0.0	429.8
158	95.1	0.0	190.6

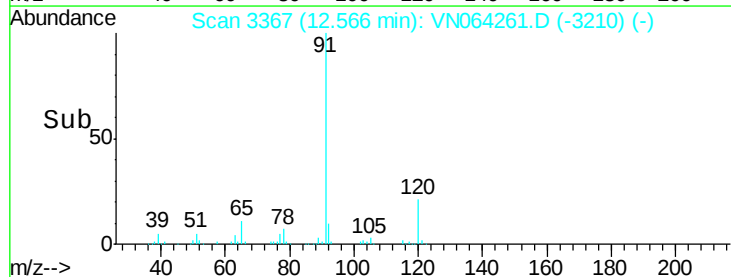
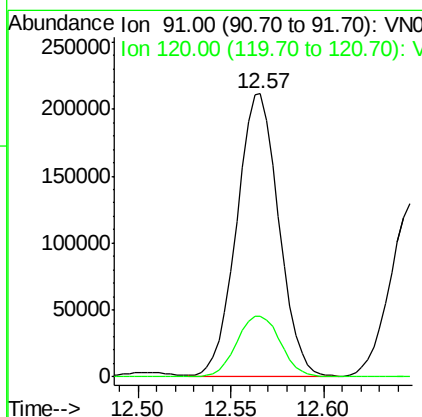
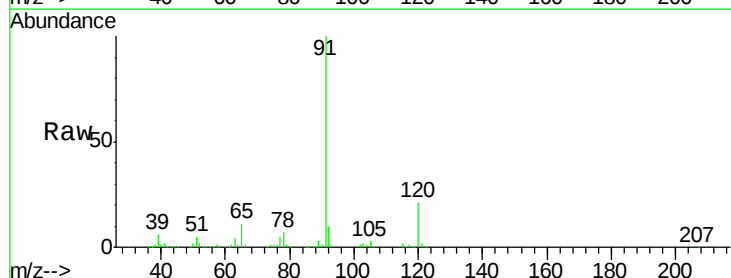
Manual Integrations
APPROVED

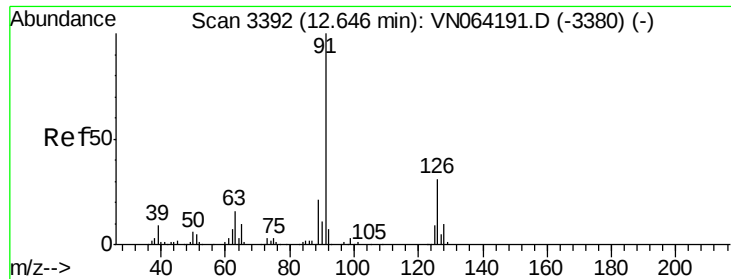
MMDadoda
10/23/2020 3:37:25 PM



#74
n-propylbenzene
Concen: 19.635 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	43.8





#75

2-Chlorotoluene

Concen: 20.219 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBSD01

Tot Ion: 91 Resp: 213595

Ion Ratio Lower Upper

91 100

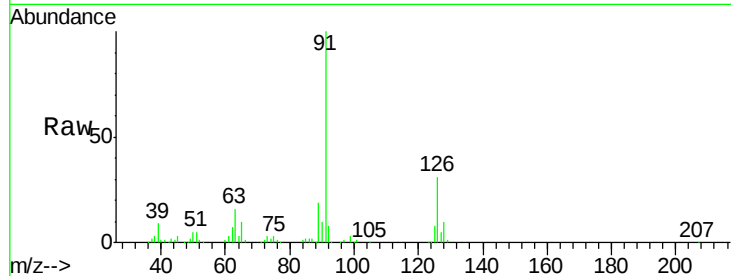
126 31.1 0.0 62.4

Manual Integrations

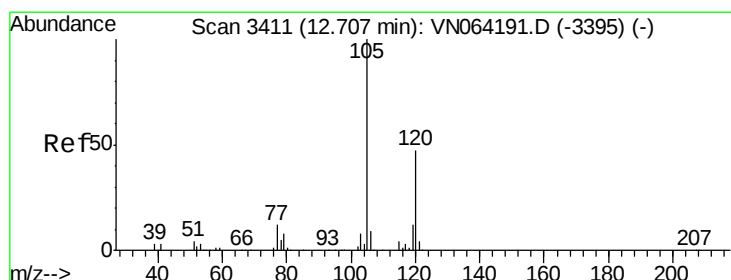
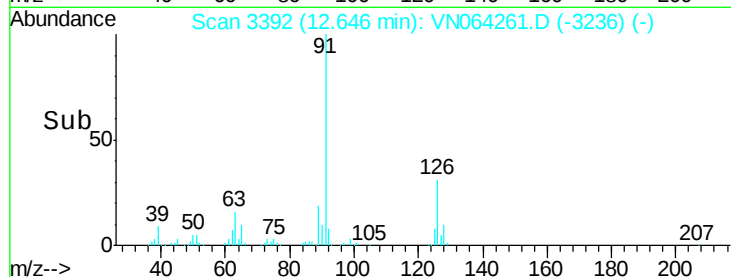
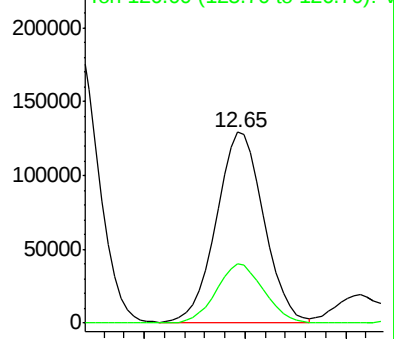
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Abundance Ion 91.00 (90.70 to 91.70): VN064261.D (-3236) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.682 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064261.D

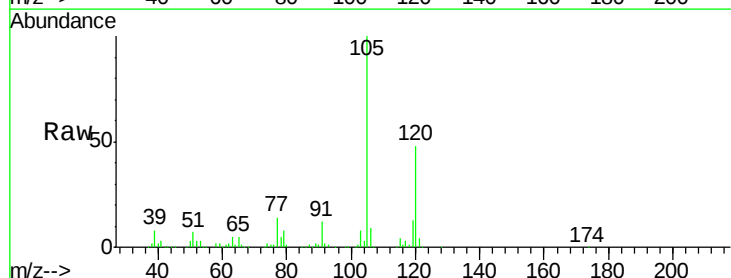
Acq: 22 Oct 2020 19:41

Tgt Ion: 105 Resp: 250420

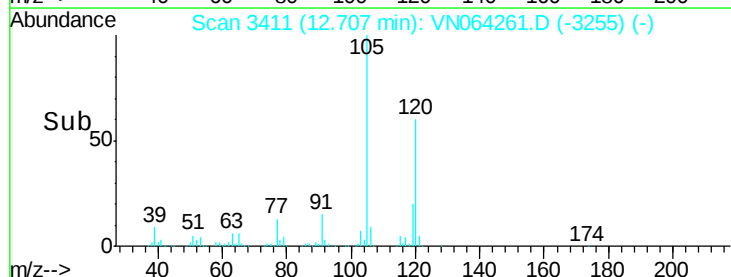
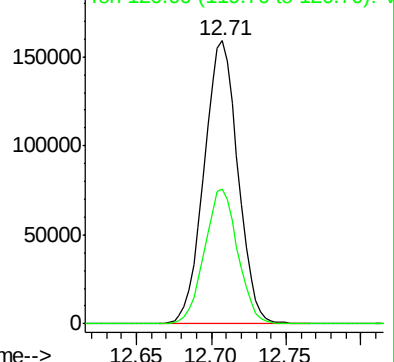
Ion Ratio Lower Upper

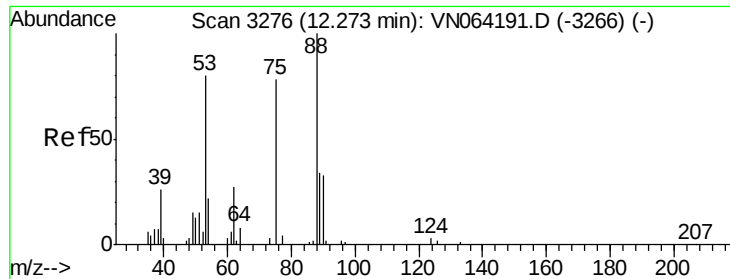
105 100

120 46.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064261.D (-3255) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.668 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

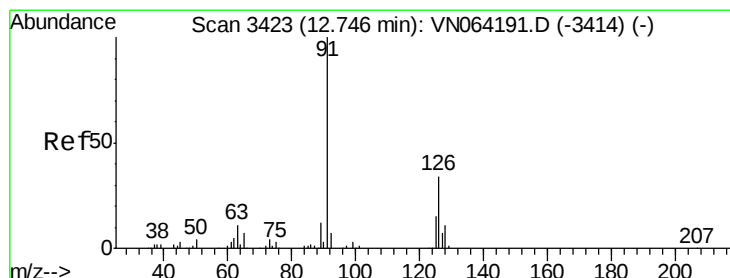
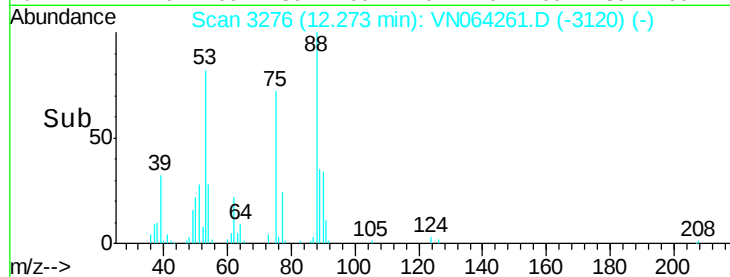
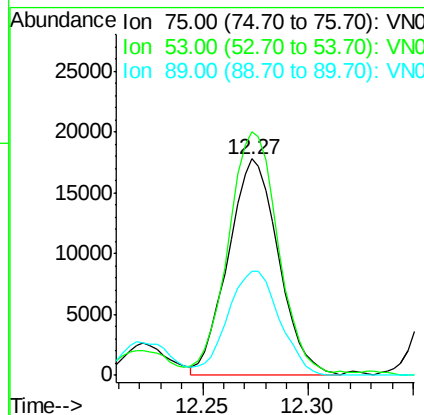
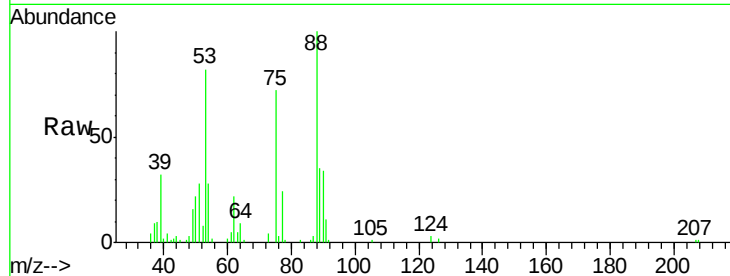
ClientSampleId :

VN1022WBSD01

Tot Ion:	75	Resp:	29537
Ion	Ratio	Lower	Upper
75	100		
53	110.6	51.4	154.2
89	48.0	23.8	71.5

Manual Integrations
APPROVED

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10/23/2020 3:37:25 PM



#78

4-Chlorotoluene

Concen: 20.091 ug/l

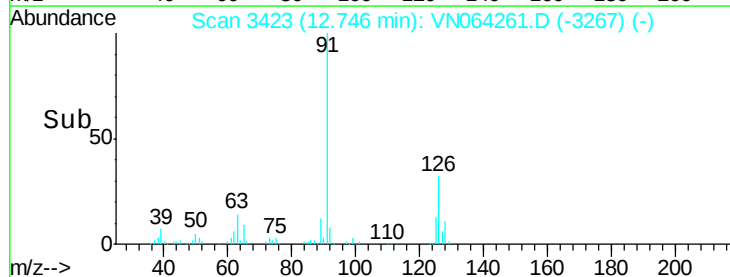
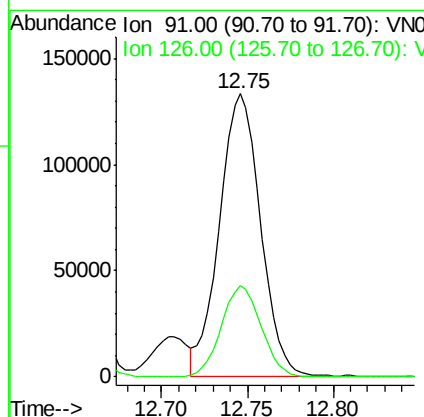
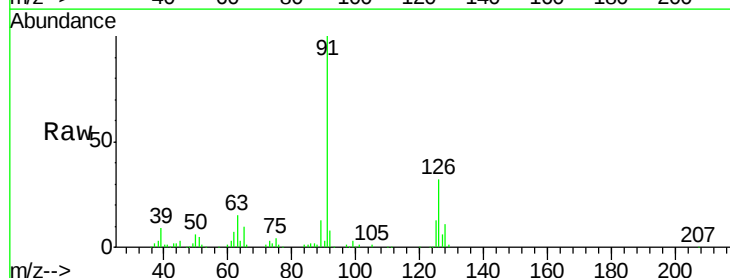
RT: 12.75 min Scan# 3423

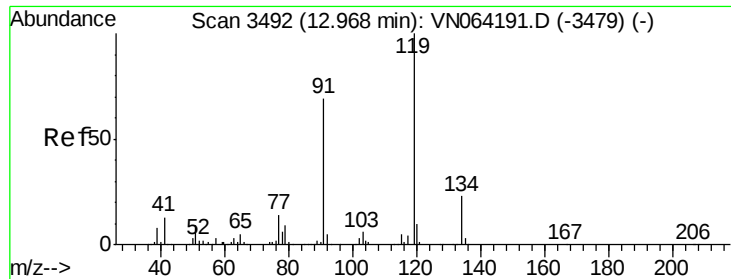
Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion:	91	Resp:	222017
Ion	Ratio	Lower	Upper
91	100		
126	31.4	0.0	63.2





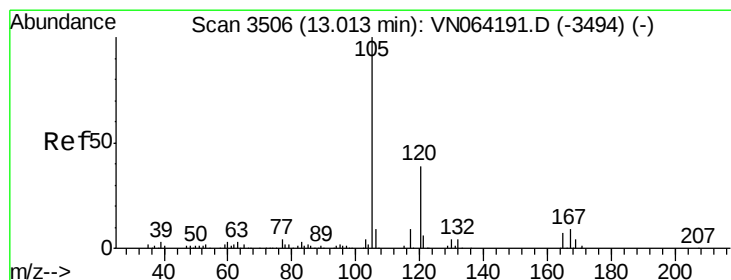
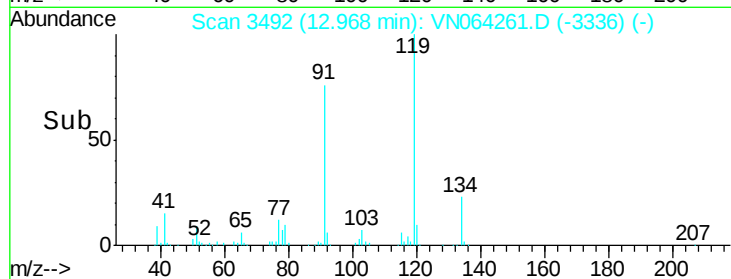
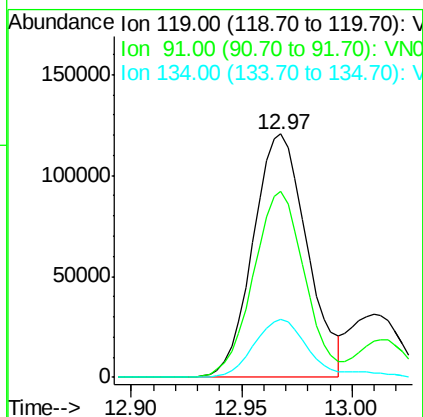
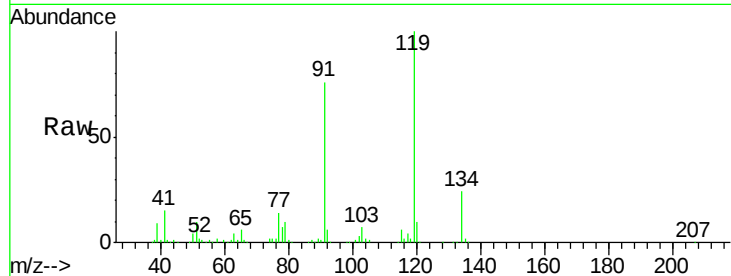
#79
tert-butylbenzene
Concen: 19.737 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205302		
91	73.4		0.0	143.2
134	23.2		0.0	49.2

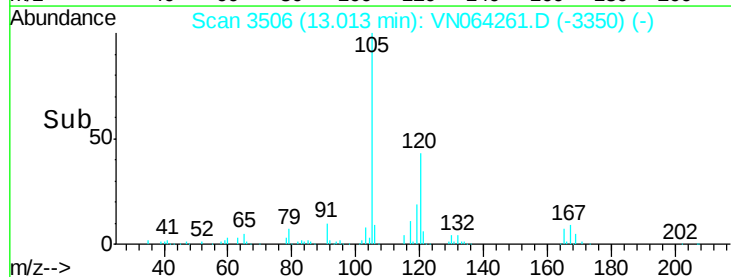
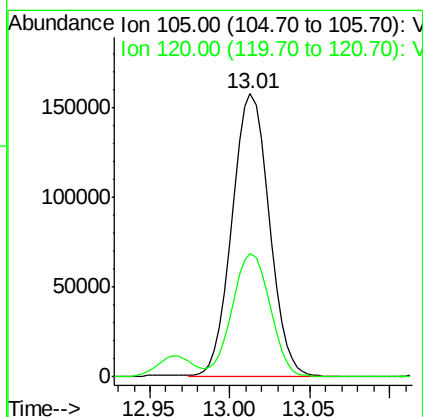
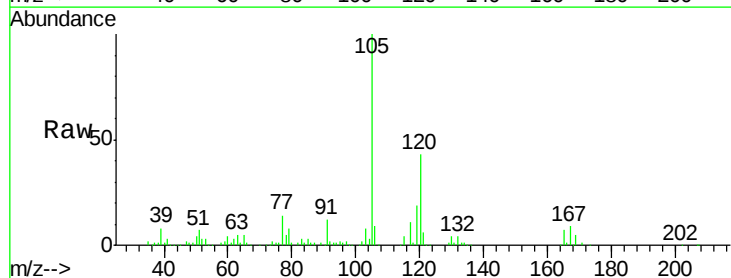
Manual Integrations
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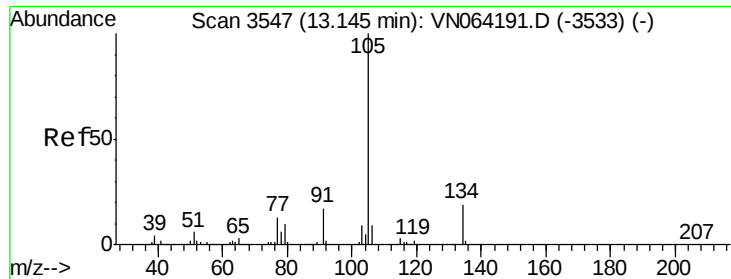
MMDadoda
10/23/2020 3:37:25 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.434 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251009		
120	44.4		0.0	85.8





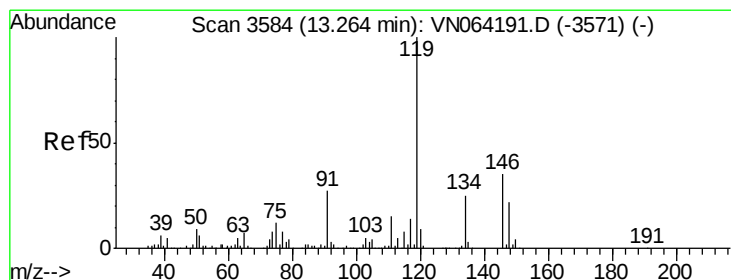
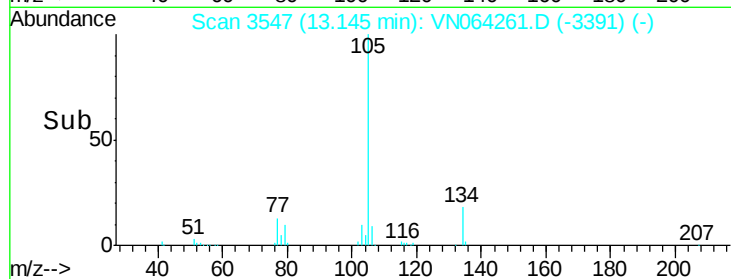
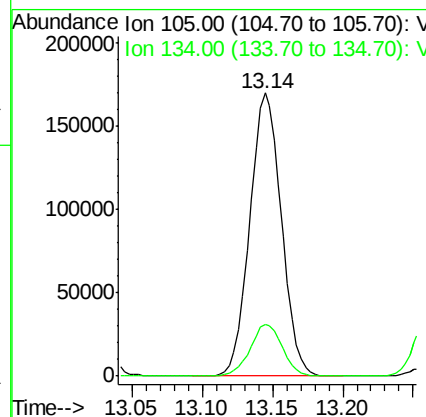
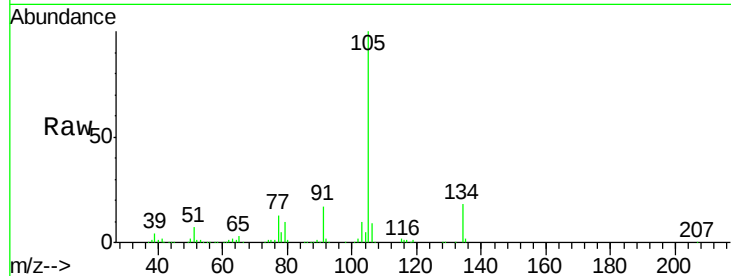
#81
 sec-Butylbenzene
 Concen: 19.707 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	266707		
134	18.6	0.0	38.4	

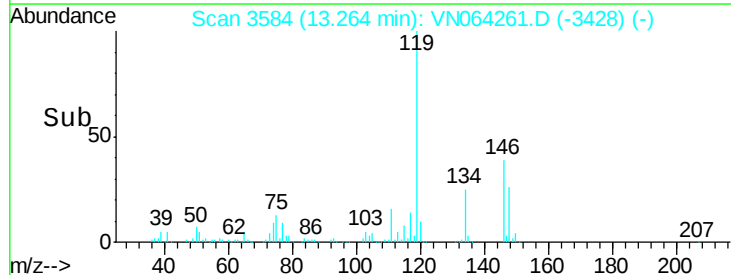
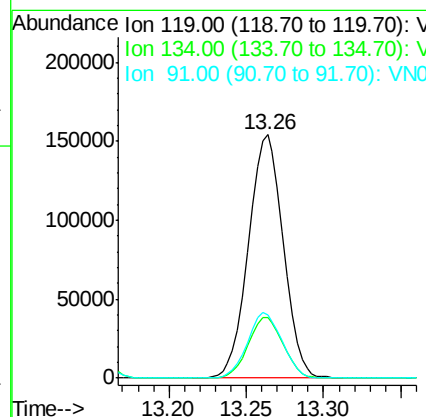
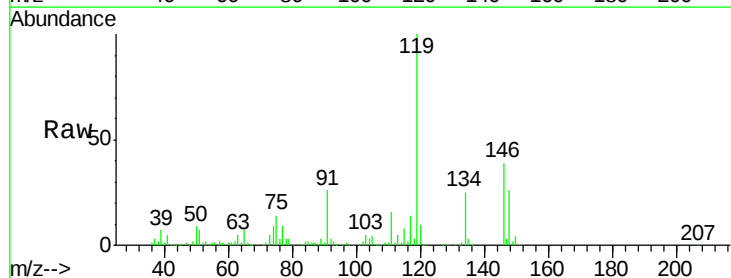
Manual Integrations
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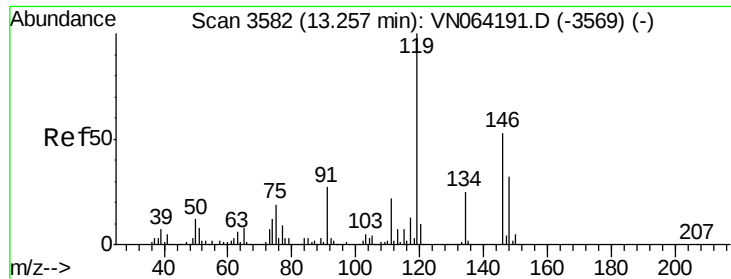
MMDadoda
 10/23/2020 3:37:25 PM



#82
 p-Isopropyltoluene
 Concen: 19.254 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	241183		
134	25.2	0.0	51.4	
91	26.8	0.0	52.8	





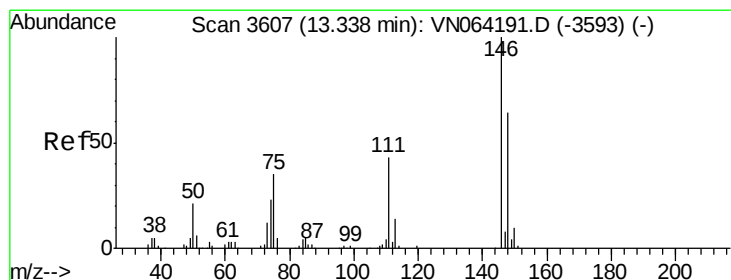
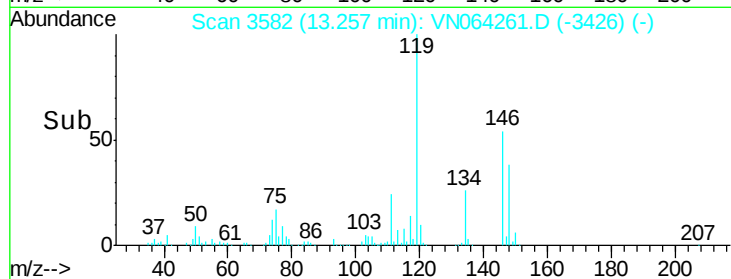
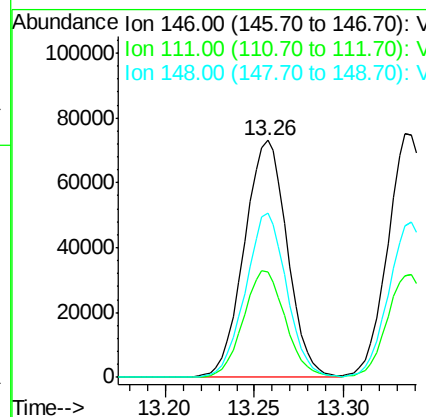
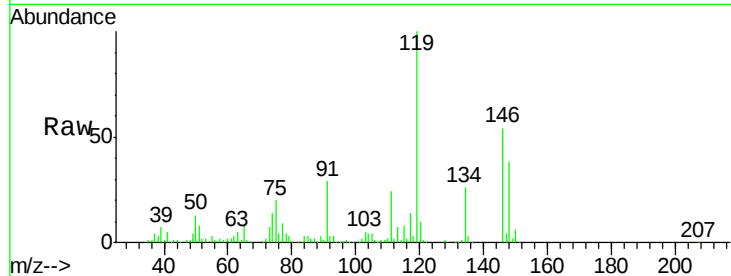
#83
 1,3-Dichlorobenzene
 Concen: 19.103 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN102WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	66.3	31.4	94.2

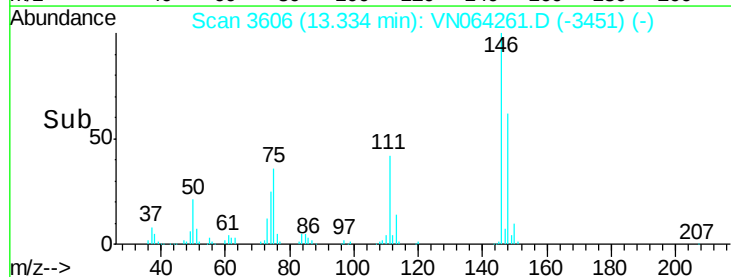
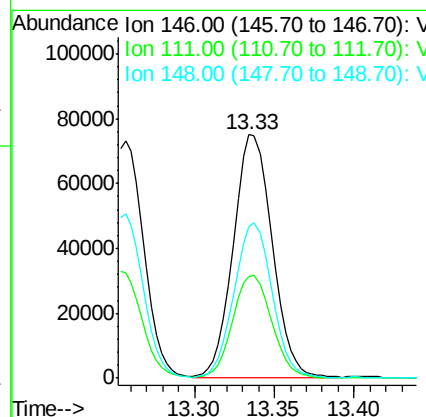
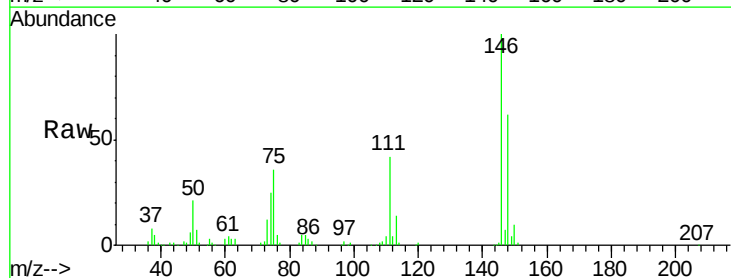
Manual Integrations
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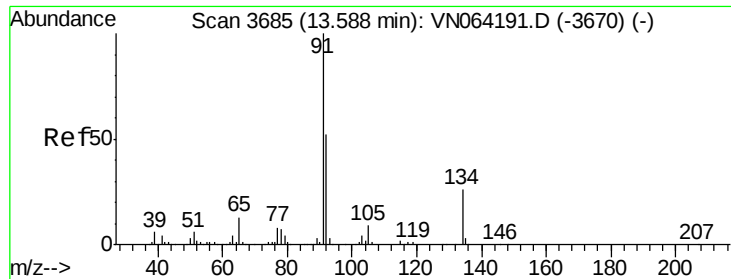
MMDadoda
 10/23/2020 3:37:25 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.372 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064261.D
 Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.8
148	62.1	30.9	92.7





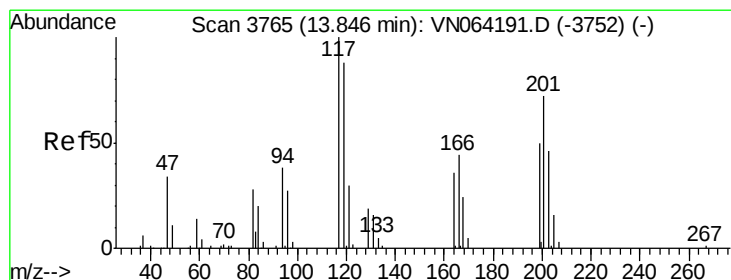
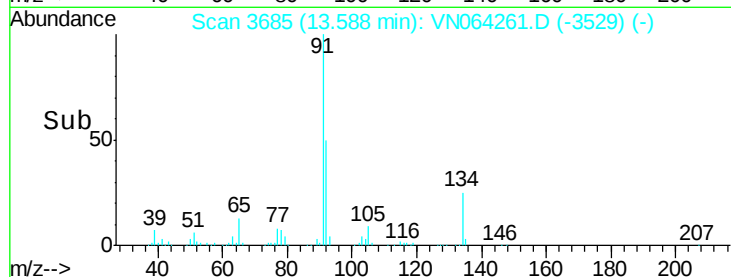
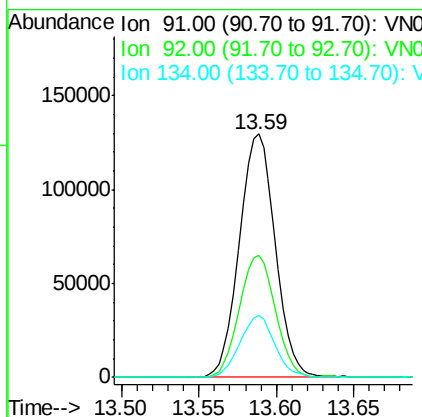
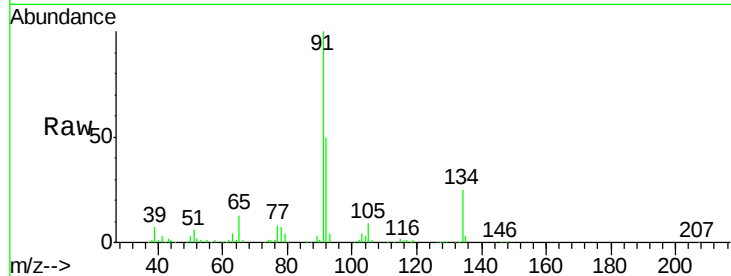
#85
n-Butylbenzene
Concen: 18.832 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	209400		
92	50.1	0.0	104.8	
134	24.6	0.0	49.8	

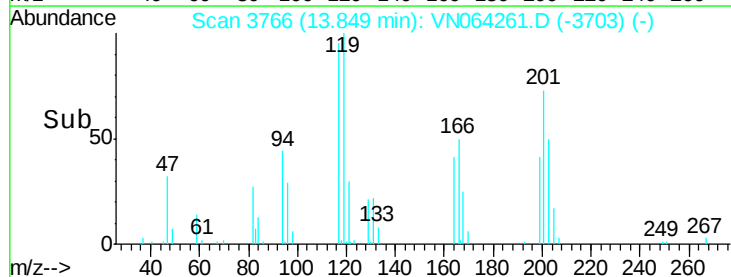
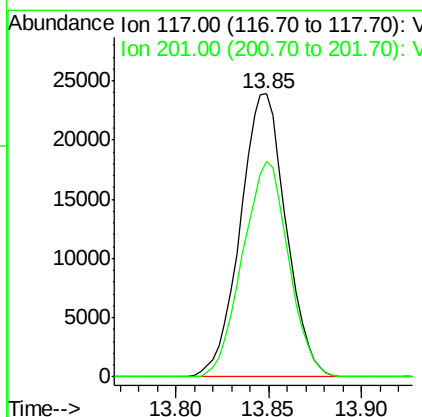
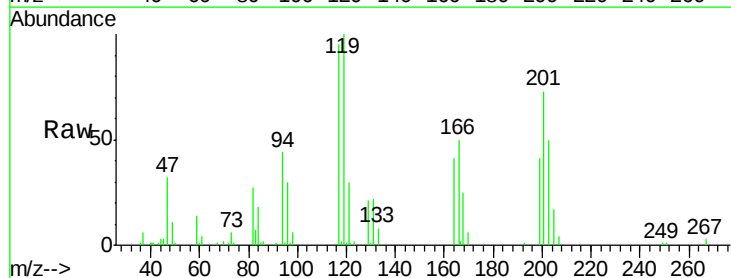
Manual Integrations
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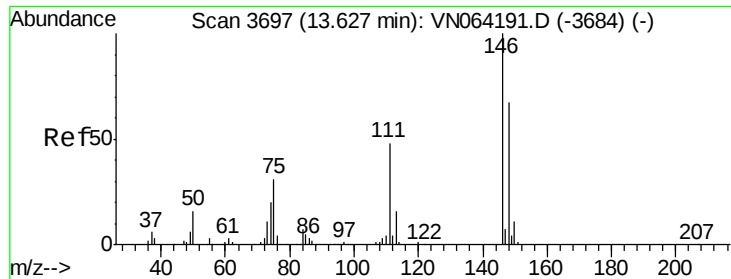
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#86
Hexachloroethane
Concen: 18.996 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40963		
201	76.4	37.5	112.3	





#87

1,2-Dichlorobenzene

Concen: 19.364 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Instrument :

MSVOA_N

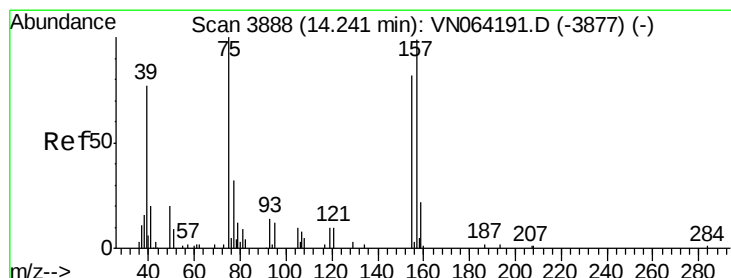
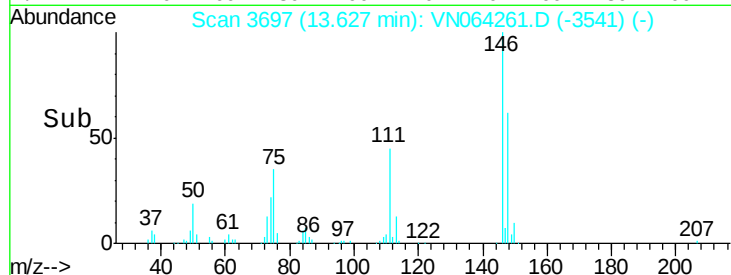
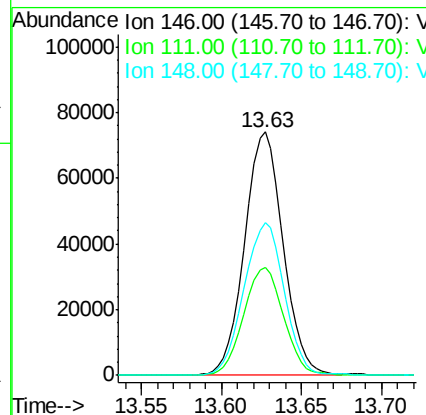
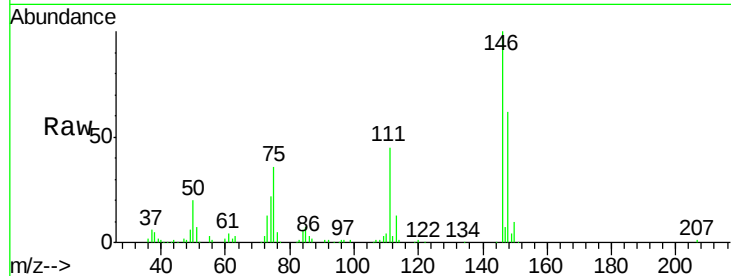
ClientSampleId :

VN1022WBSD01

Tot Ion:	146	Resp:	122051
Ion Ratio	Lower	Upper	
146	100		
111	45.8	22.6	67.8
148	65.3	32.6	97.8

Manual Integrations
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10/23/2020 3:37:25 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.853 ug/l

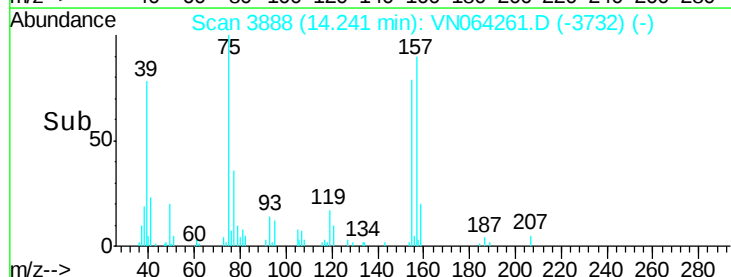
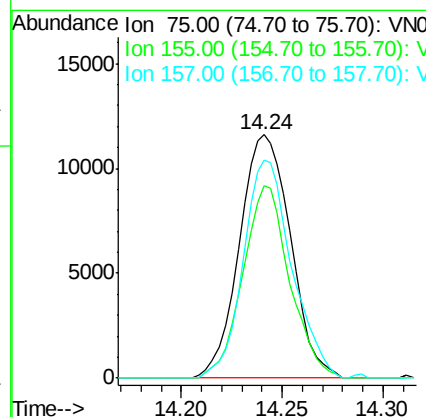
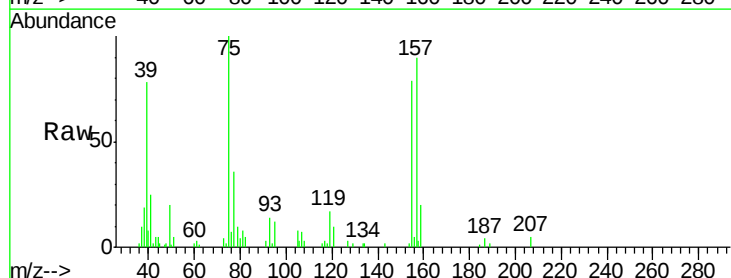
RT: 14.24 min Scan# 3888

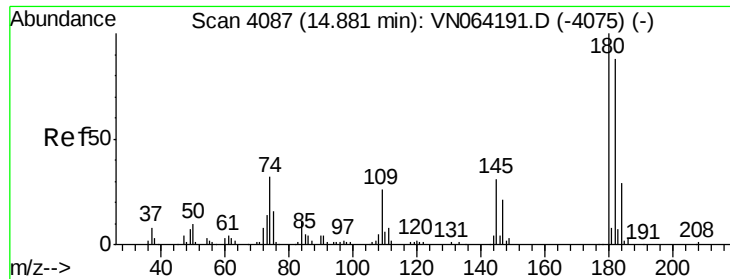
Delta R.T. 0.00 min

Lab File: VN064261.D

Acq: 22 Oct 2020 19:41

Tgt Ion:	75	Resp:	20603
Ion Ratio	Lower	Upper	
75	100		
155	72.3	61.1	91.7
157	84.8	76.5	114.7





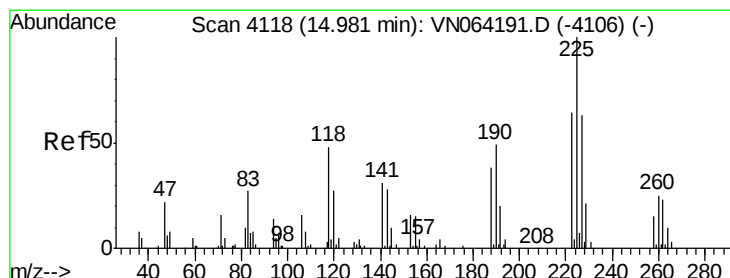
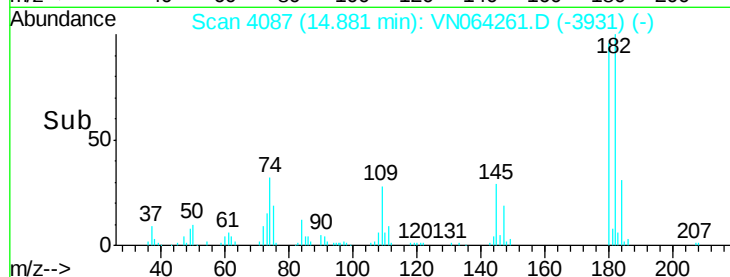
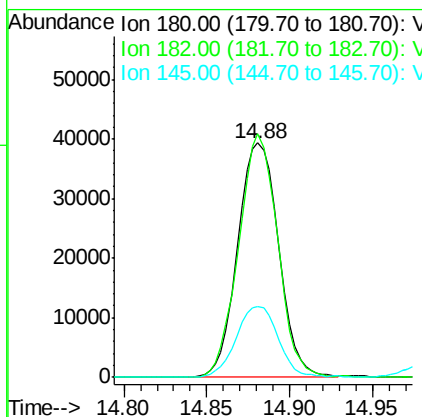
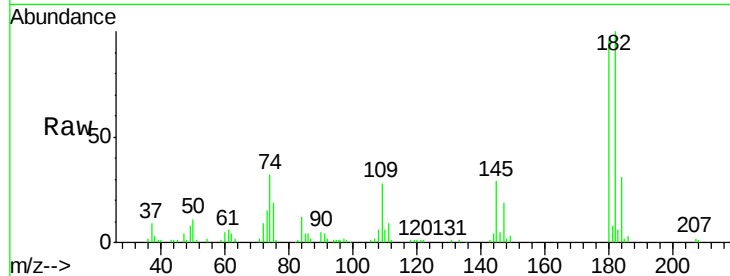
#89
1,2,4-Trichlorobenzene
Concen: 17.983 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	73.0	109.4
145	31.0	24.3	36.5

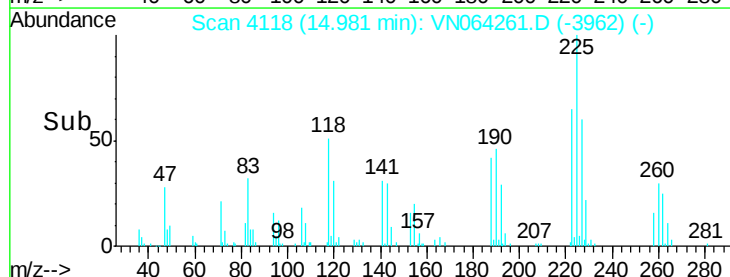
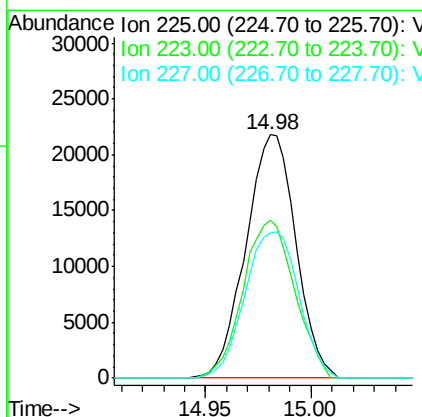
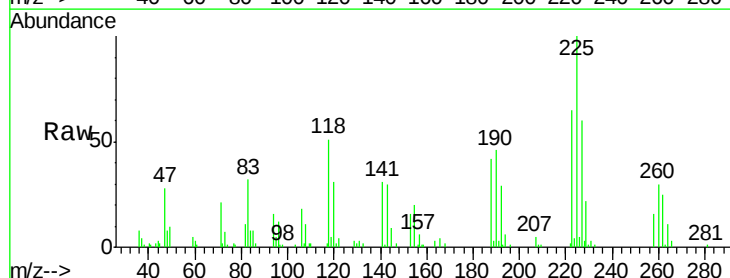
Manual Integrations
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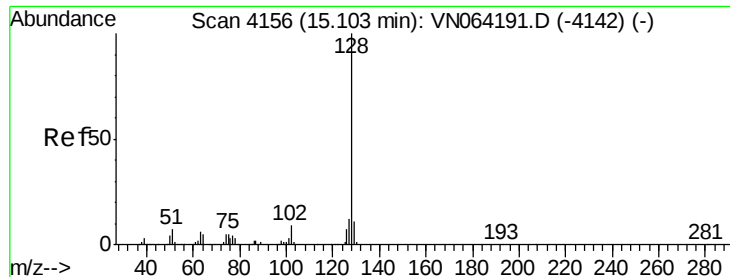
MMDadoda
10/23/2020 3:37:25 PM



#90
Hexachlorobutadiene
Concen: 18.757 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.0	0.0	127.0
227	64.6	0.0	129.4





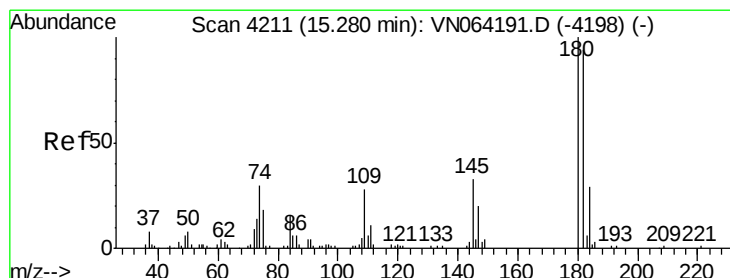
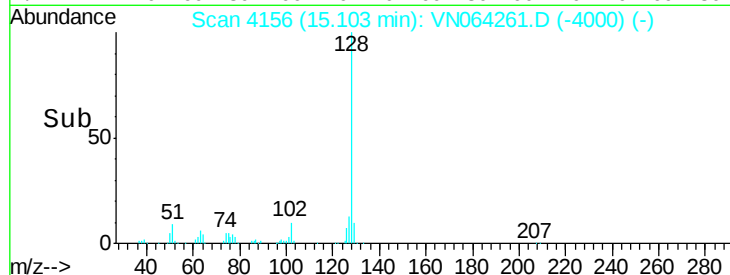
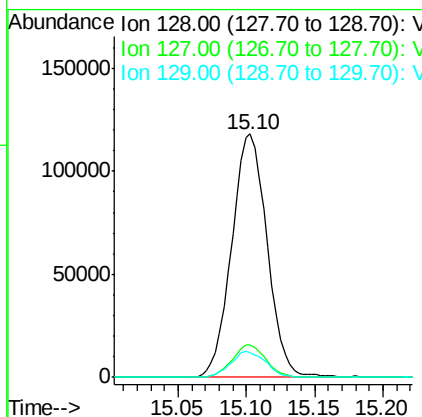
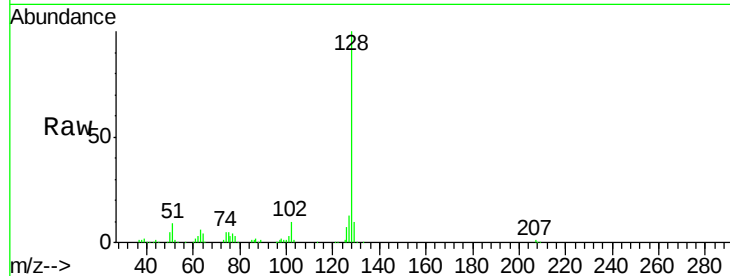
#91
Naphthalene
Concen: 18.569 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:25 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.240 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN064261.D
Acq: 22 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.1	0.0	190.0
145	34.7	0.0	66.6

