

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064260.D
 Acq On : 22 Oct 2020 19:17
 Operator : JC/MD
 Sample : VN1022WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:20 PM

Quant Time: Oct 23 01:44:31 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	47307	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	268700	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	238716	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	127274	32.86	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.53%
60) 4-Bromofluorobenzene	12.38	95	131509	30.74	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.47%
63) Toluene-d8	10.06	98	324750	30.05	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	65531	20.190 ug/l	97
3) Chloromethane	2.04	50	64270	19.323 ug/l	98
4) Vinyl Chloride	2.16	62	64089	19.585 ug/l	94
5) Bromomethane	2.54	94	39782	20.321 ug/l	95
6) Chloroethane	2.67	64	38750	20.332 ug/l	98
7) Trichlorofluoromethane	2.98	101	112973	21.506 ug/l	96
8) Diethyl Ether	3.38	74	33627	18.855 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	52923	19.089 ug/l	97
10) 1,1-Dichloroethene	3.70	96	50804	18.821 ug/l	96
11) Methyl Iodide	3.91	142	71621	18.408 ug/l	97
12) Methyl Acetate	4.28	43	62388	21.928 ug/l	100
13) Acrolein	3.57	56	39575	127.213 ug/l #	43
14) Acrylonitrile	4.93	53	112093	97.768 ug/l	97
15) Acetone	3.77	58	32352m	104.511 ug/l	
16) Carbon Disulfide	4.01	76	139293	18.044 ug/l	97
17) Allyl chloride	4.28	41	94916	18.910 ug/l	97
18) Methylene Chloride	4.50	84	60638	19.641 ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	54427	18.691 ug/l	97
20) Diisopropyl ether	5.90	45	185420	19.989 ug/l	95
21) 1,1-Dichloroethane	5.80	63	113214	19.992 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	66676	19.587 ug/l	96
23) tert-Butyl Alcohol	4.73	59	55424	104.517 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	177569	19.907 ug/l #	53
25) Chloroform	7.33	83	119824	20.365 ug/l	96
26) Cyclohexane	7.62	56	80636	17.959 ug/l #	86
29) 1,1-Dichloropropene	7.75	75	86803	19.452 ug/l	98
30) 2-Butanone	6.79	43	191243	103.927 ug/l	100
31) 2,2-Dichloropropane	6.78	77	106040	18.718 ug/l #	81
32) 1,1,1-Trichloroethane	7.53	97	111385	19.591 ug/l	98
33) Carbon Tetrachloride	7.73	117	103132	19.897 ug/l	97
34) Benzene	8.00	78	236765	19.054 ug/l	100
35) Methacrylonitrile	7.12	41	36449	18.058 ug/l	92
36) 1,2-Dichloroethane	8.09	62	106270	21.145 ug/l	99
37) Trichloroethene	8.80	130	66880	19.548 ug/l	96
38) Methylcyclohexane	9.05	83	74709	17.505 ug/l	98
39) 1,2-Dichloropropane	9.08	63	64508	19.453 ug/l	99
40) Dibromomethane	9.18	93	44715	19.380 ug/l	99

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Manual Integrations
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MMDadoda
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Quant Time: Oct 23 01:44:31 2020
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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	98151	19.656	ug/l	99
42) Vinyl Acetate	5.84	43	850244	97.326	ug/l	99
43) Ethyl Acetate	6.88	43	71732	17.848	ug/l #	87
44) Isopropyl Acetate	8.13	43	151580m	19.646	ug/l	
45) 1,4-Dioxane	9.16	88	18024	399.412	ug/l	99
46) Methyl methacrylate	9.16	41	71831	19.620	ug/l	95
47) n-amyl Acetate	12.05	43	123718	18.075	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	109638	19.468	ug/l	93
49) cis-1,3-Dichloropropene	9.81	75	109984	18.902	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	60879	19.695	ug/l	97
51) Ethyl methacrylate	10.40	69	91440	18.707	ug/l	96
52) 1,3-Dichloropropane	10.68	76	103348	19.393	ug/l	99
53) Dibromochloromethane	10.87	129	74819	19.231	ug/l	100
54) 1,2-Dibromoethane	10.98	107	62332	18.971	ug/l	94
55) 2-Chloroethyl vinyl ether	9.66	63	221828	92.340	ug/l	99
56) Bromoform	12.10	173	50535	18.652	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	416673	103.005	ug/l	99
59) 2-Hexanone	10.72	43	300927	100.205	ug/l	99
61) Tetrachloroethene	10.60	164	64069	19.909	ug/l	94
62) Toluene	10.13	91	264276	19.365	ug/l	100
64) Chlorobenzene	11.41	112	165434	19.466	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	67079	20.145	ug/l	96
66) Ethyl Benzene	11.48	91	296197	18.878	ug/l	99
67) m/p-Xylenes	11.59	106	221212	37.910	ug/l	98
68) o-Xylene	11.92	106	105374	18.609	ug/l	98
69) Styrene	11.94	104	178517	18.634	ug/l	98
70) Isopropylbenzene	12.22	105	290596	19.432	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	76437	18.652	ug/l	95
72) 1,2,3-Trichloropropane	12.53	75	78992m	18.471	ug/l	
73) Bromobenzene	12.50	156	69246	19.202	ug/l	95
74) n-propylbenzene	12.57	91	326088	19.105	ug/l	99
75) 2-Chlorotoluene	12.65	91	206410	19.535	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	241148	18.950	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	30964	18.519	ug/l	97
78) 4-Chlorotoluene	12.75	91	214604	19.417	ug/l	99
79) tert-butylbenzene	12.97	119	199414	19.168	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	237936	18.419	ug/l	96
81) sec-Butylbenzene	13.14	105	248398	18.351	ug/l	100
82) p-Isopropyltoluene	13.26	119	232700	18.574	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	120504	18.642	ug/l	99
84) 1,4-Dichlorobenzene	13.33	146	120028	18.546	ug/l	97
85) n-Butylbenzene	13.59	91	196835	17.699	ug/l	99
86) Hexachloroethane	13.85	117	37591	17.429	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	119779	19.000	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19769	19.046	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	64922	17.150	ug/l	96
90) Hexachlorobutadiene	14.98	225	34910	18.193	ug/l	99
91) Naphthalene	15.10	128	200652	17.486	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	66122	18.264	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN1022WBS01

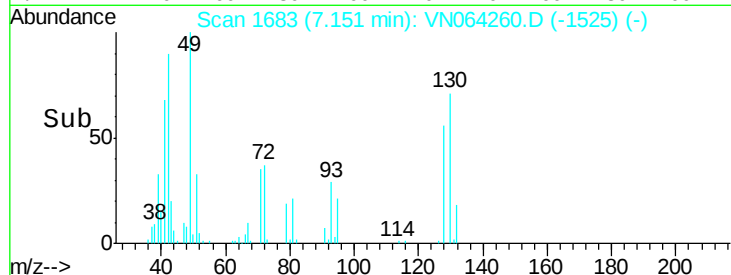
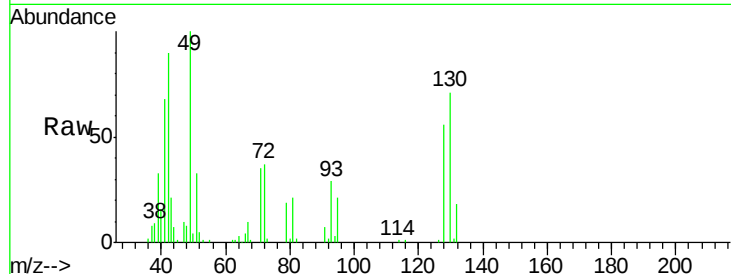
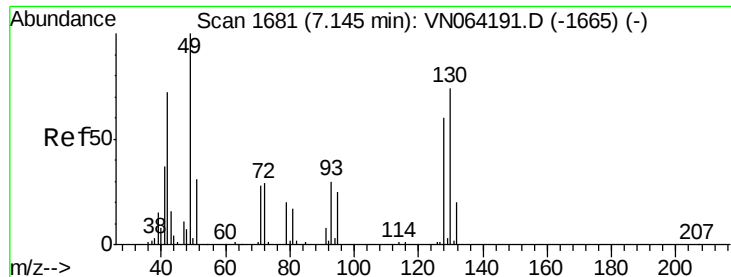
Manual Integrations
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QLast Update : Thu Oct 22 16:07:21 2020
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064260.D

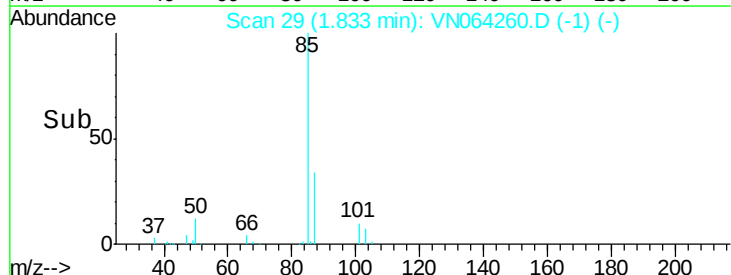
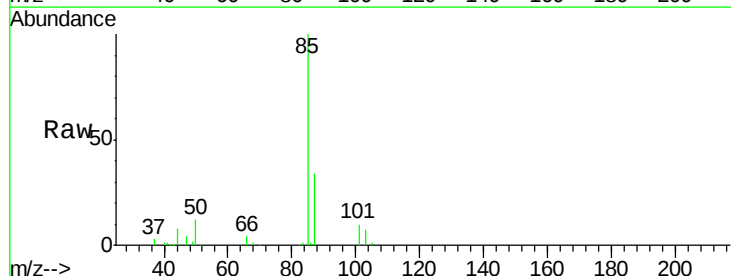
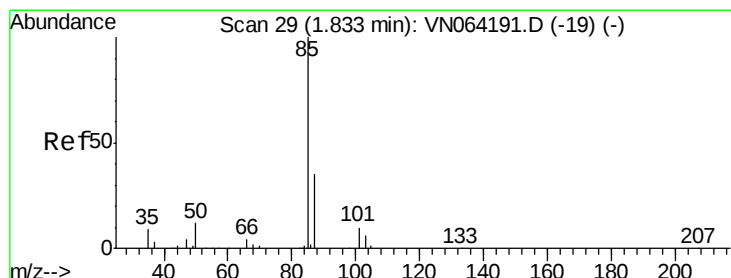
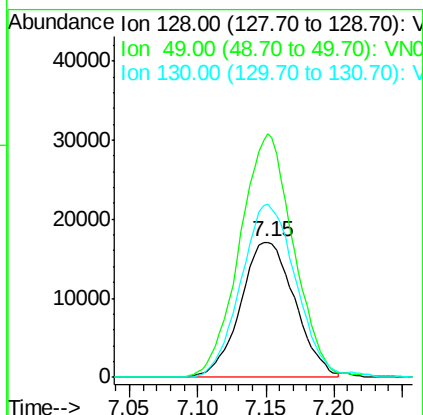
Acq: 22 Oct 2020 19:17

Tot Ion:	128	Resp:	47307
Ion	Ratio	Lower	Upper
128	100		
49	177.4	0.0	433.3
130	128.7	0.0	322.5

Instrument :
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Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.190 ug/l

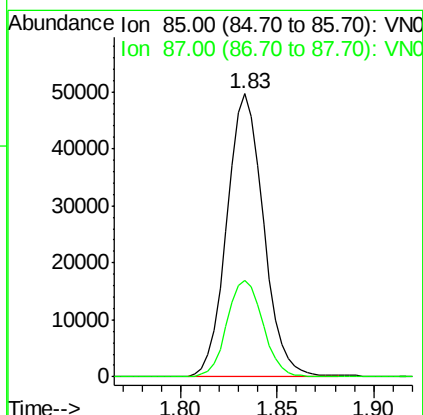
RT: 1.83 min Scan# 29

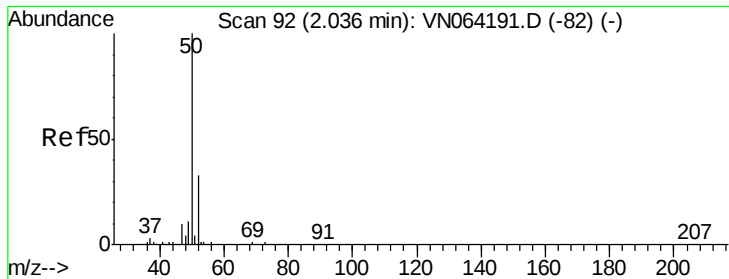
Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Tgt Ion:	85	Resp:	65531
Ion	Ratio	Lower	Upper
85	100		
87	33.9	17.8	53.3





#3

Chloromethane

Concen: 19.323 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBS01

Tot Ion: 50 Resp: 64270

Ion Ratio Lower Upper

50 100

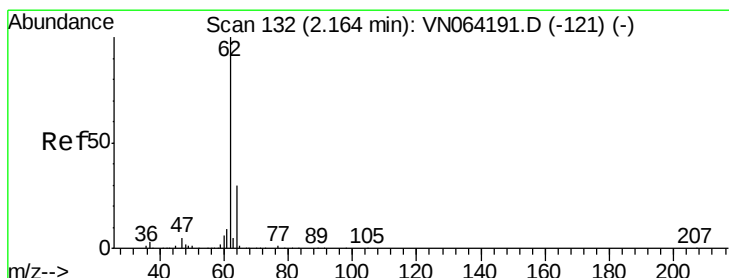
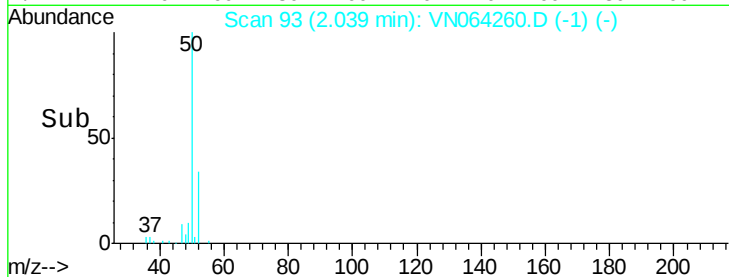
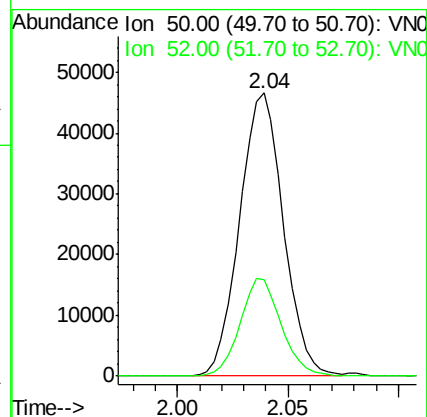
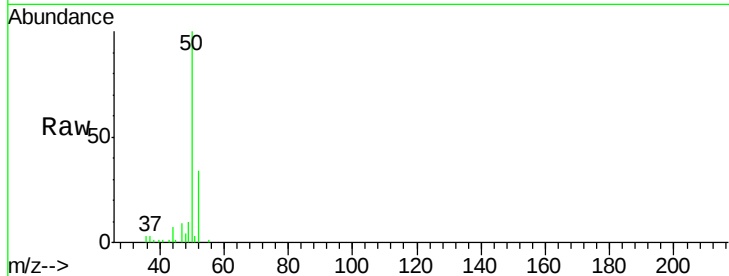
52 34.2 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.585 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064260.D

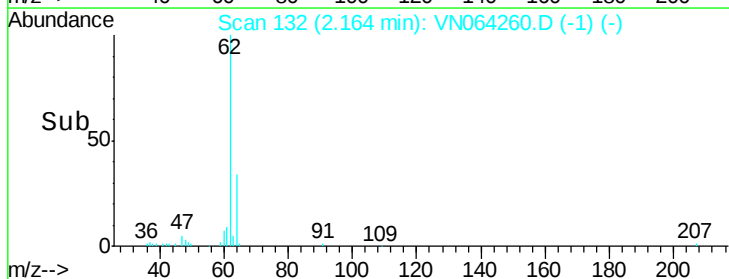
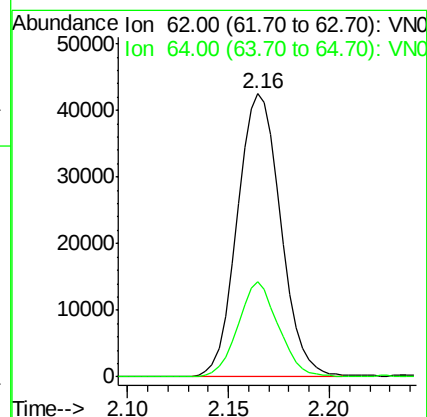
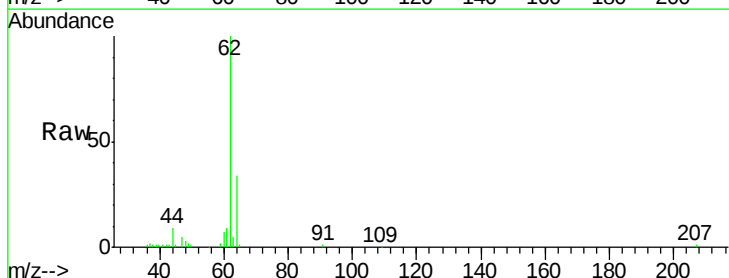
Acq: 22 Oct 2020 19:17

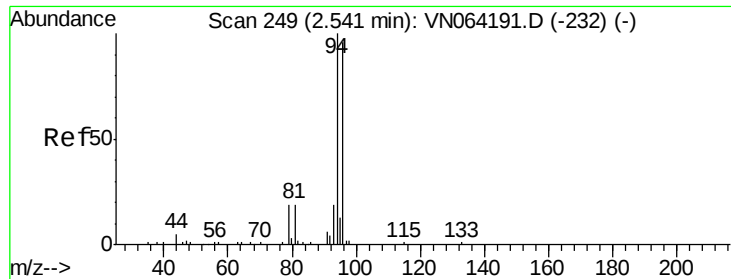
Tgt Ion: 62 Resp: 64089

Ion Ratio Lower Upper

62 100

64 33.7 24.4 36.6





#5

Bromomethane

Concen: 20.321 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBS01

Tot Ion: 94 Resp: 39782

Ion Ratio Lower Upper

94 100

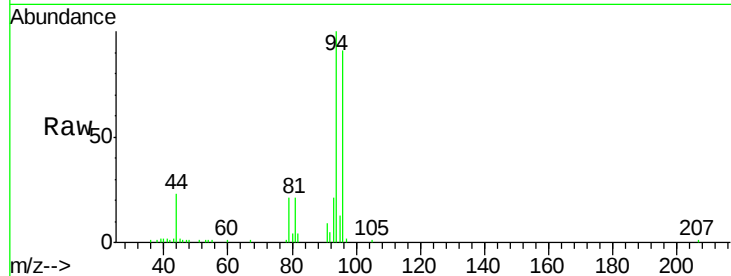
96 90.6 76.6 115.0

Manual Integrations

APPROVED

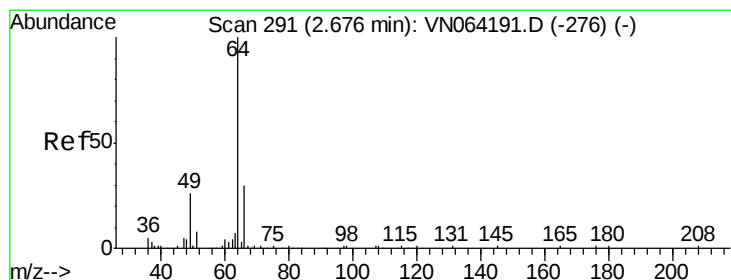
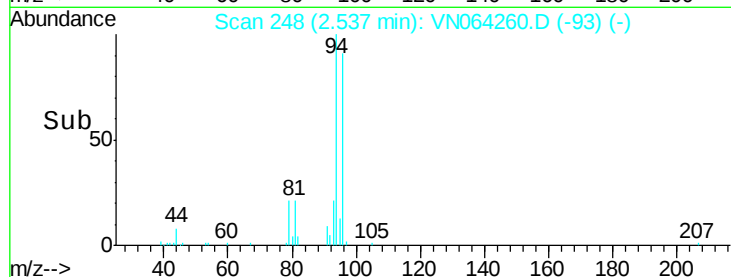
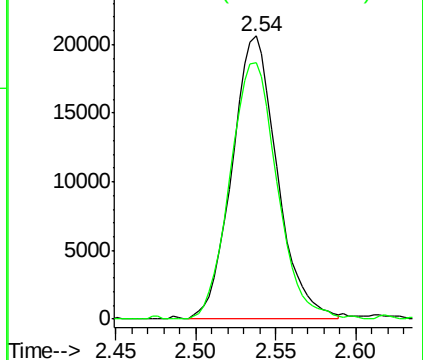
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.332 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064260.D

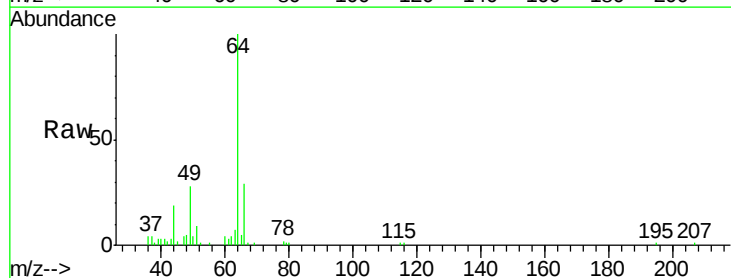
Acq: 22 Oct 2020 19:17

Tgt Ion: 64 Resp: 38750

Ion Ratio Lower Upper

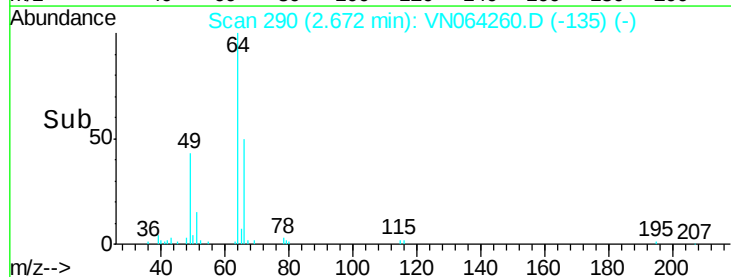
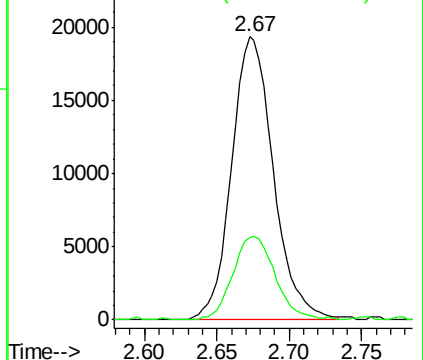
64 100

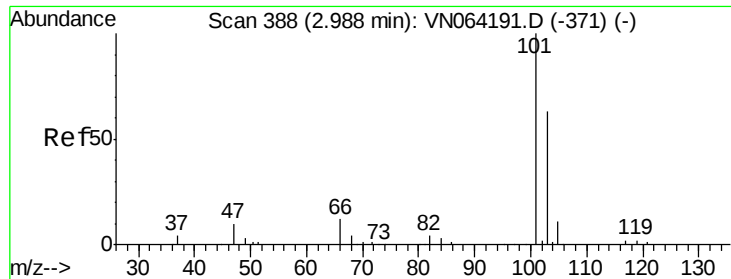
66 29.3 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

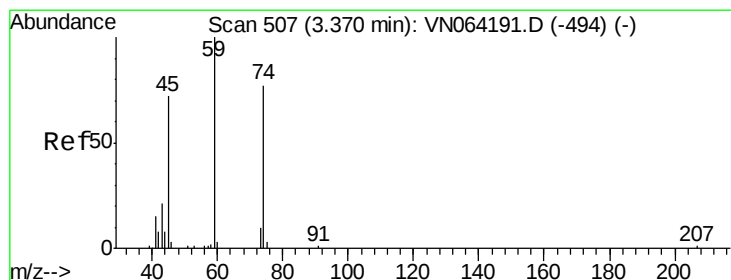
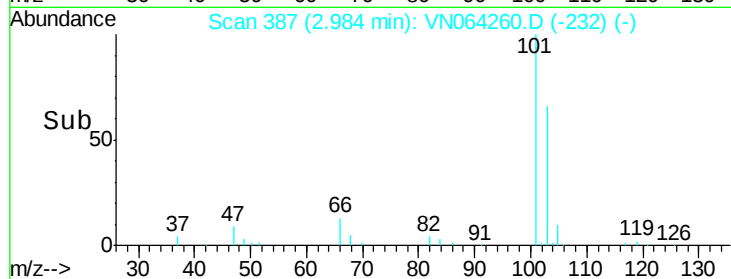
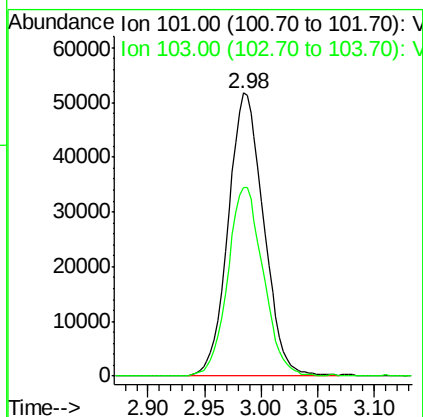
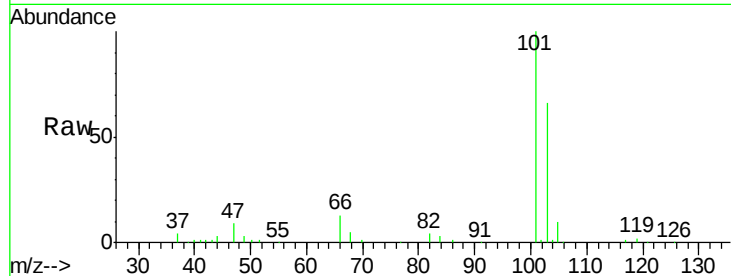
Trichlorofluoromethane
Concen: 21.506 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.7	76.1

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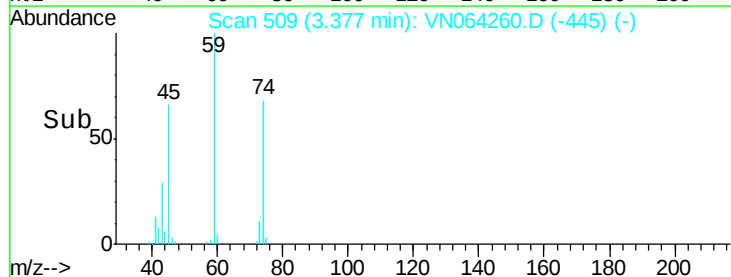
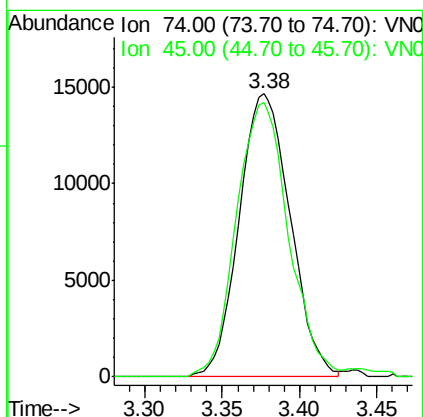
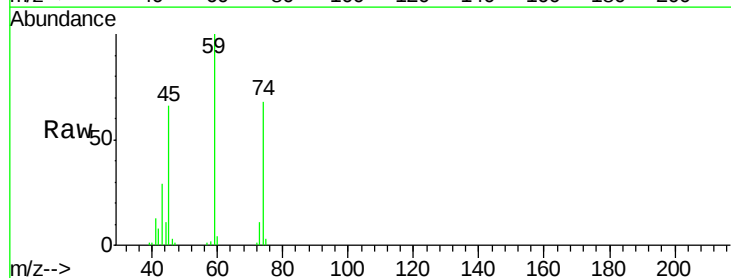
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10/23/2020 3:37:20 PM

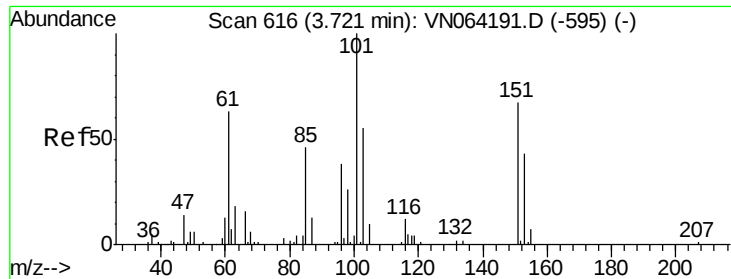


#8

Diethyl Ether
Concen: 18.855 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.01 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.089 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

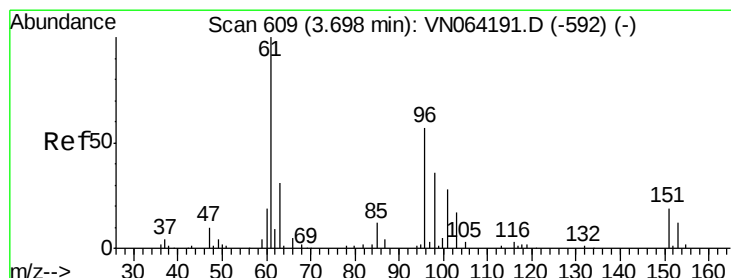
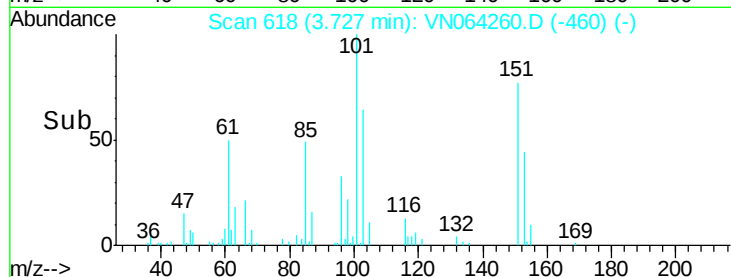
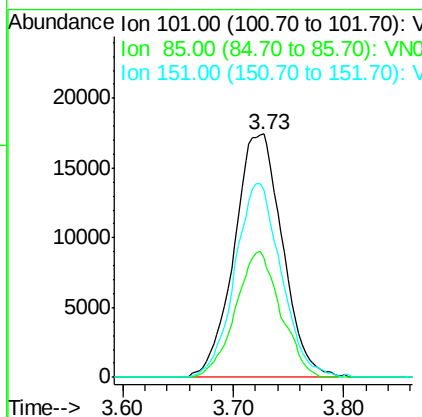
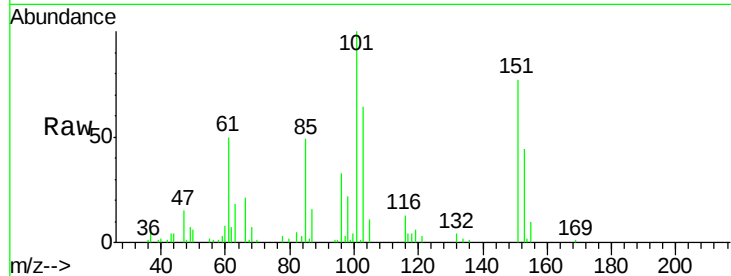
ClientSampleId :

VN1022WBS01

Tot Ion:	101	Resp:	52923
Ion Ratio	Lower	Upper	
101	100		
85	48.0	0.0	94.0
151	76.5	0.0	146.6

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#10

1,1-Dichloroethene

Concen: 18.821 ug/l

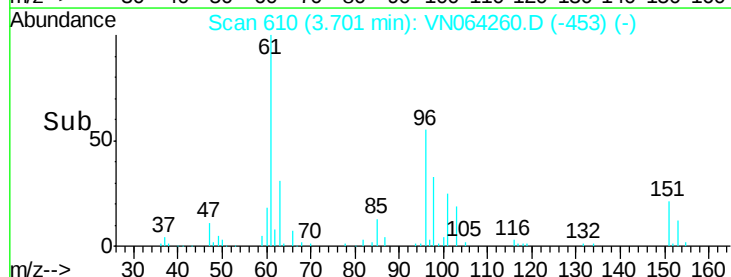
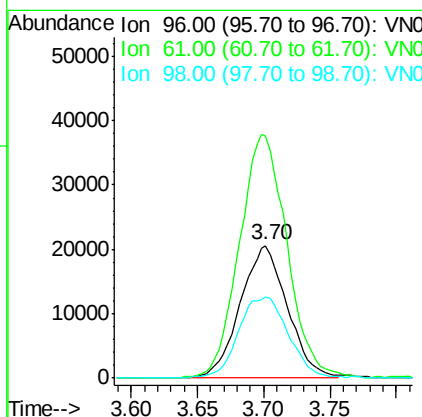
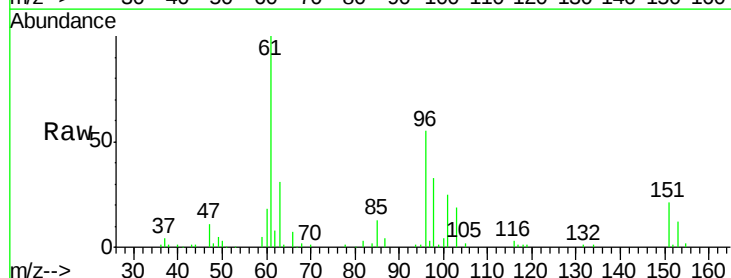
RT: 3.70 min Scan# 610

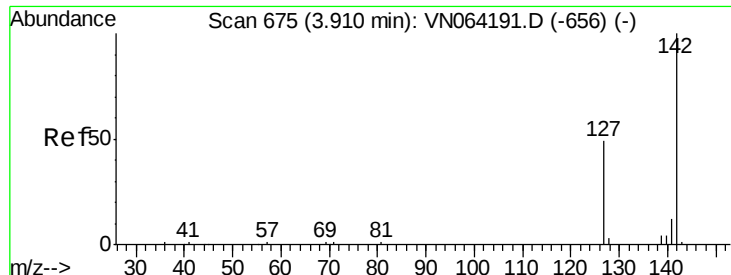
Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Tgt Ion:	96	Resp:	50804
Ion Ratio	Lower	Upper	
96	100		
61	182.1	141.0	211.4
98	61.3	51.4	77.2





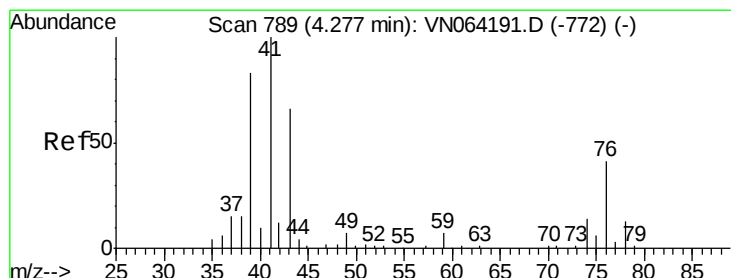
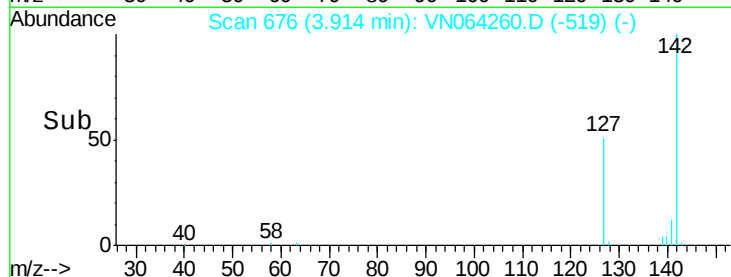
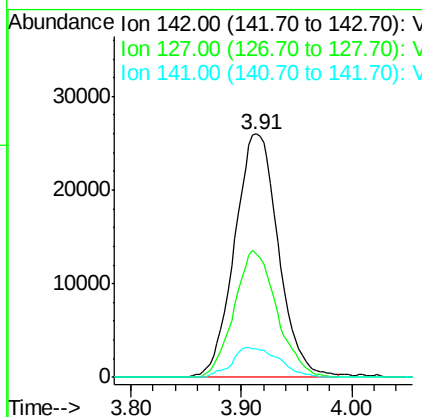
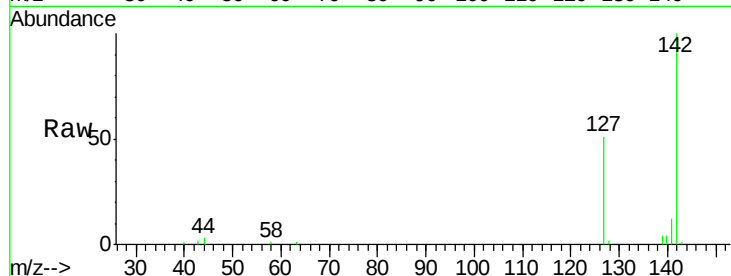
#11
Methvl Iodide
Concen: 18.408 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.1	24.5	73.5
141	11.6	6.0	18.1

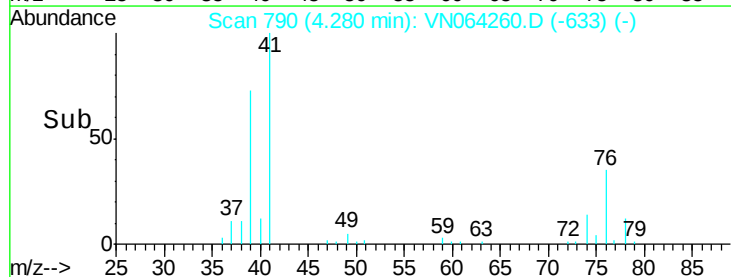
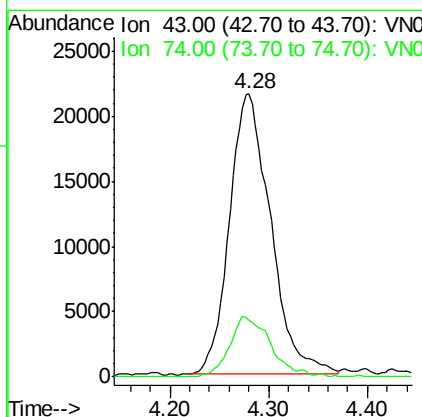
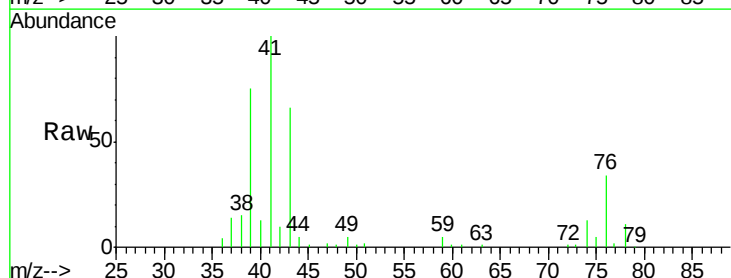
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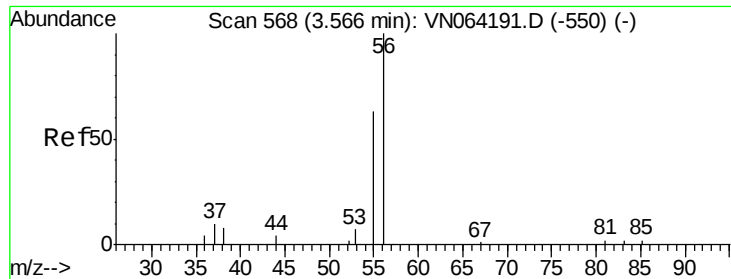
MMDadoda
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#12
Methyl Acetate
Concen: 21.928 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.2	24.2





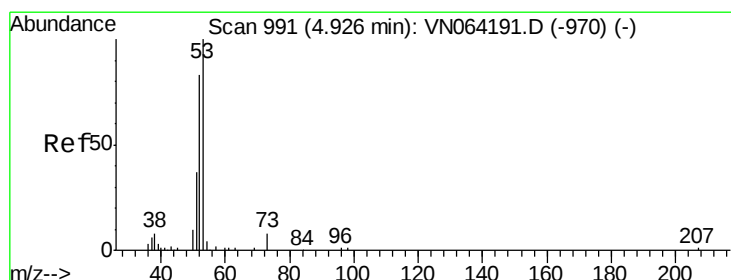
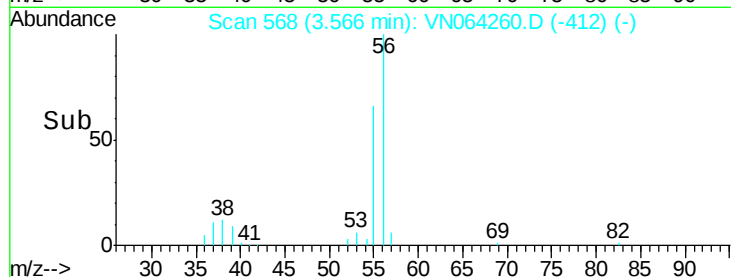
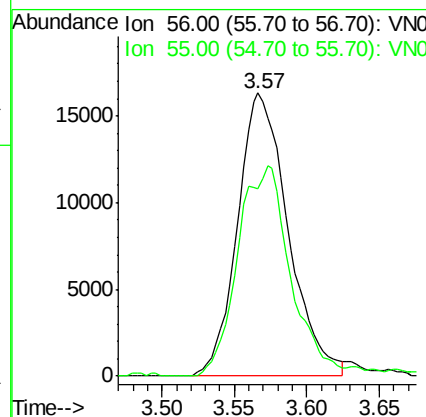
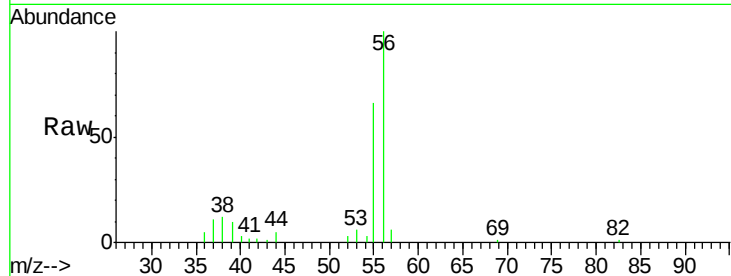
#13
Acrolein
Concen: 127.213 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ion	Ratio	Resp Lower	Upper
56	100			
55	33.4	0.5	0.7#	

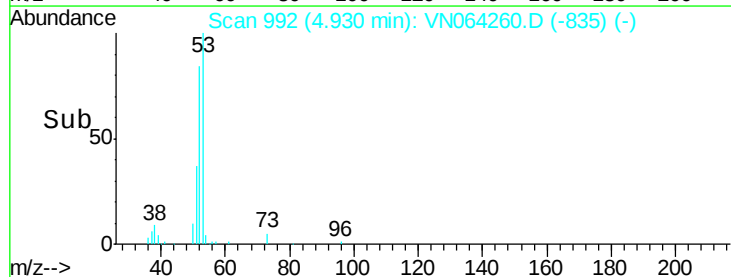
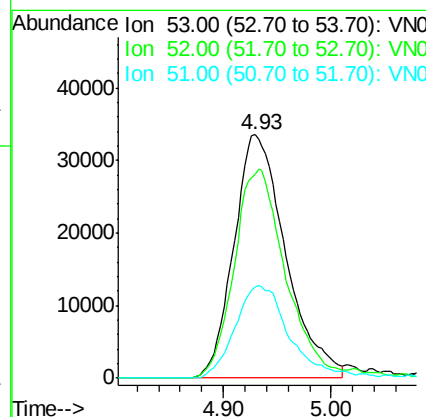
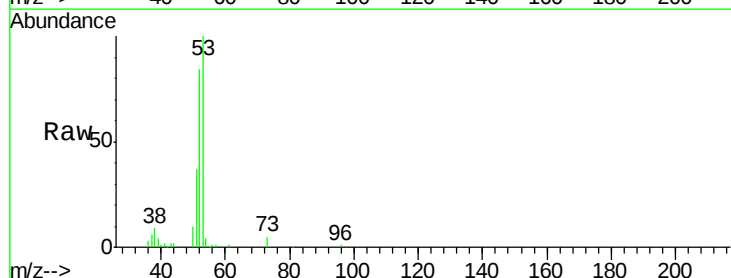
Manual Integrations
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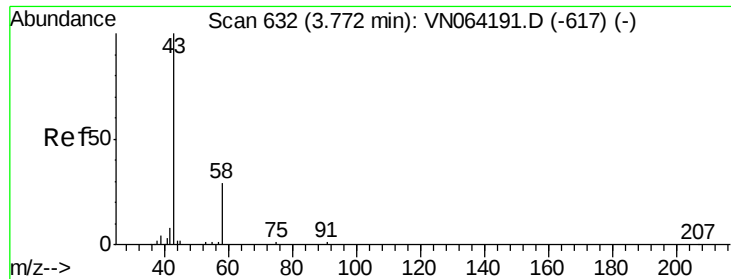
MMDadoda
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#14
Acrylonitrile
Concen: 97.768 ug/l
RT: 4.93 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ion	Ratio	Resp Lower	Upper
53	100			
52	84.8	41.3	123.9	
51	39.4	18.1	54.1	





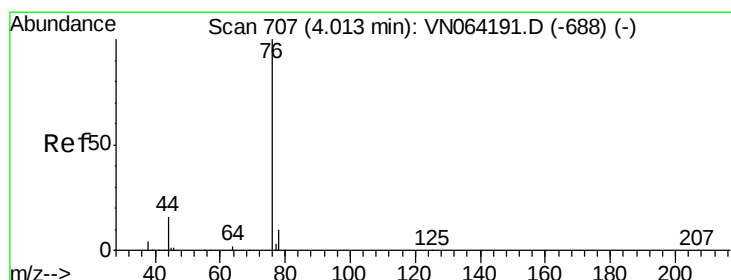
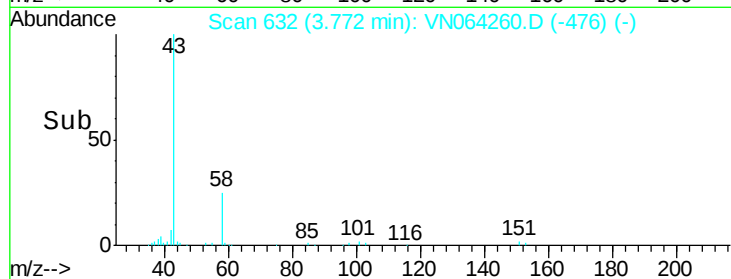
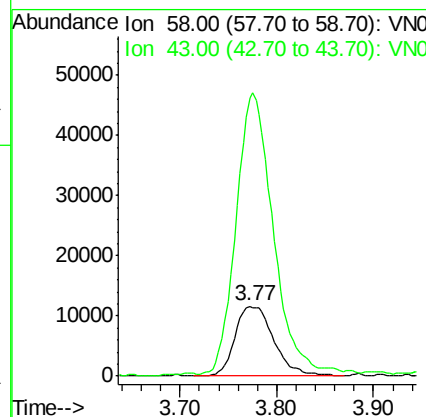
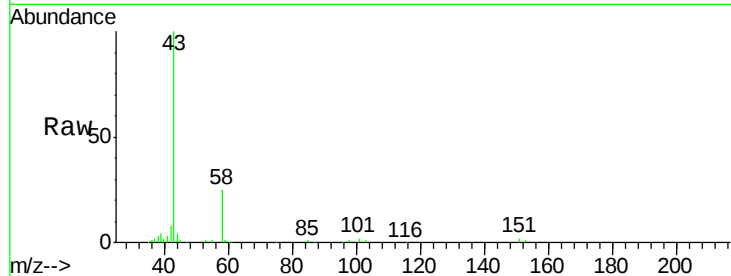
#15
Acetone
Concen: 104.511 ug/l m
RT: 3.77 min Scan# 632
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion: 58 Resp: 32352
Ion Ratio Lower Upper
58 100
43 397.7 272.1 408.1

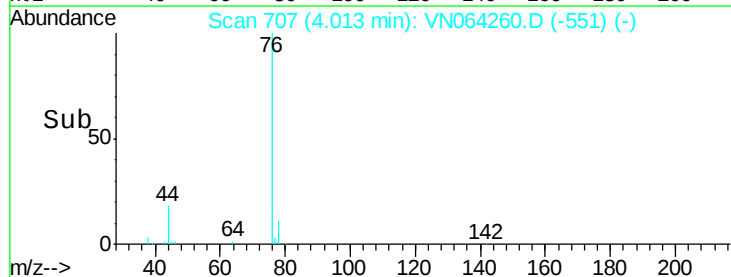
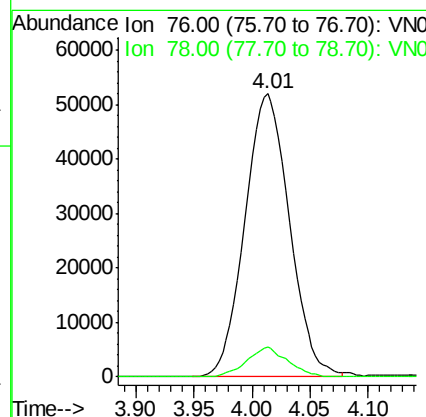
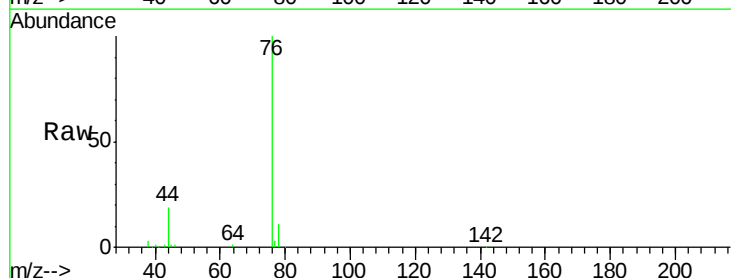
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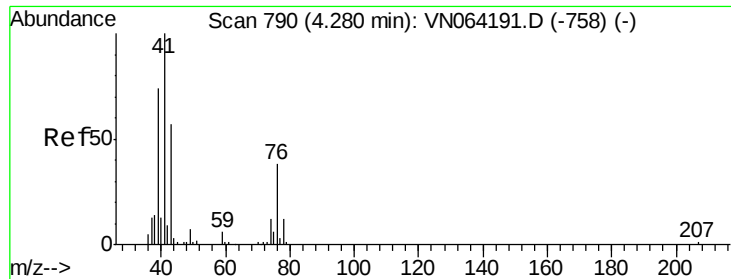
MMDadoda
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#16
Carbon Disulfide
Concen: 18.044 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion: 76 Resp: 139293
Ion Ratio Lower Upper
76 100
78 10.8 7.7 11.5





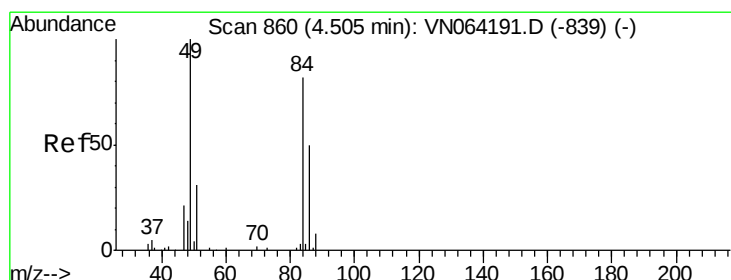
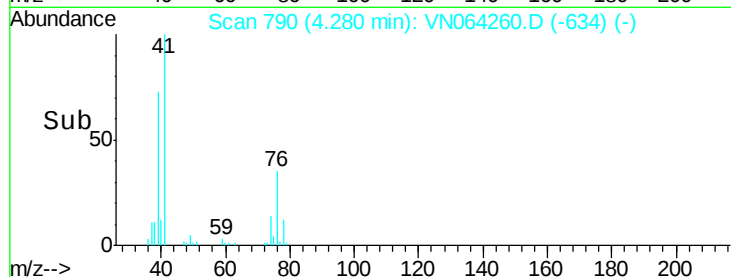
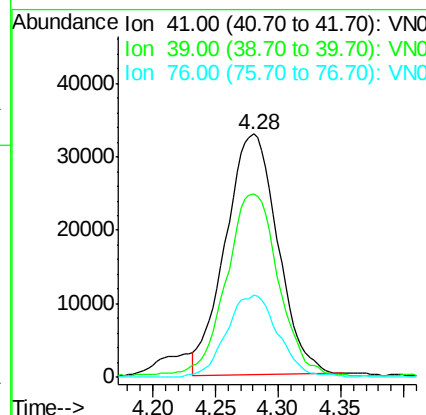
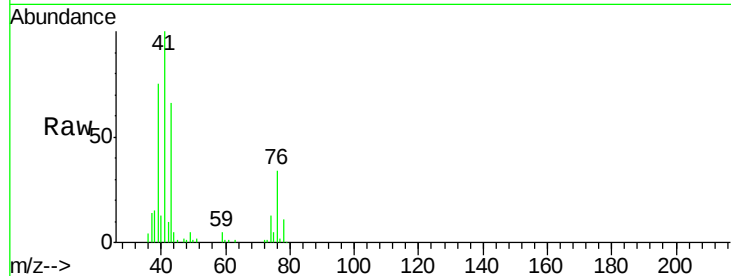
#17
Allvl chloride
Concen: 18.910 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.2	36.8	110.4
76	33.7	18.8	56.4

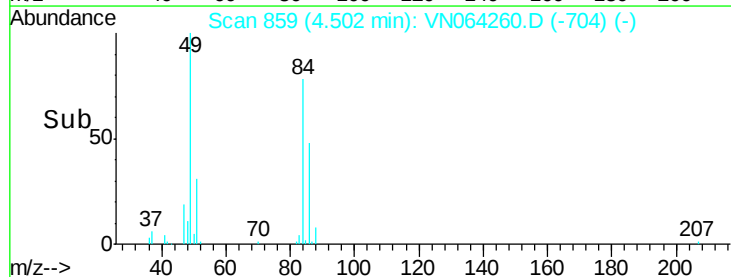
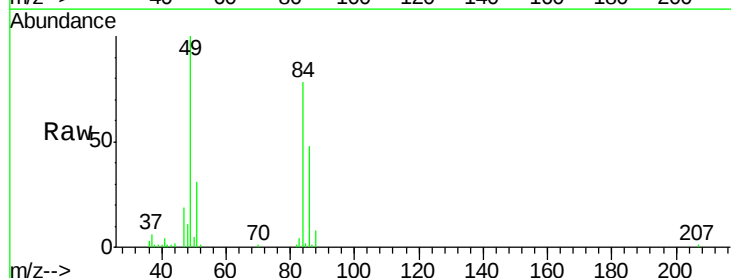
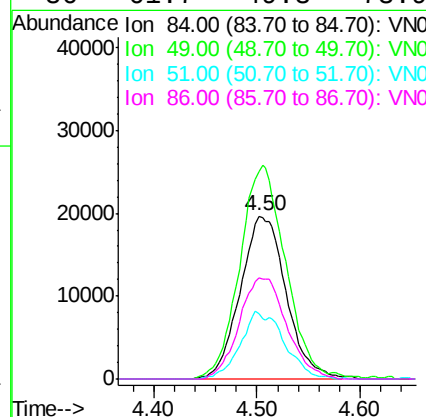
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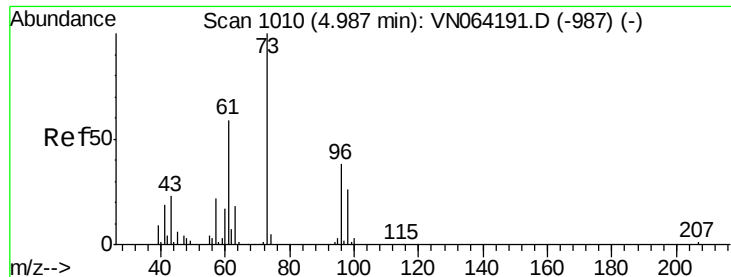
MMDadoda
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#18
Methylene Chloride
Concen: 19.641 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.4	97.6	146.4
51	40.1	31.1	46.7
86	61.7	49.3	73.9





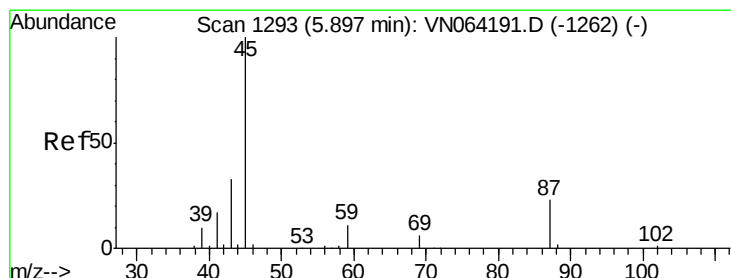
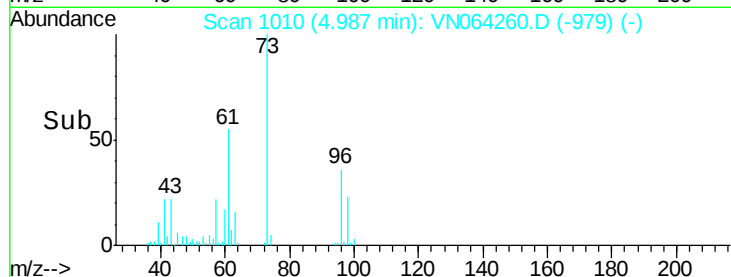
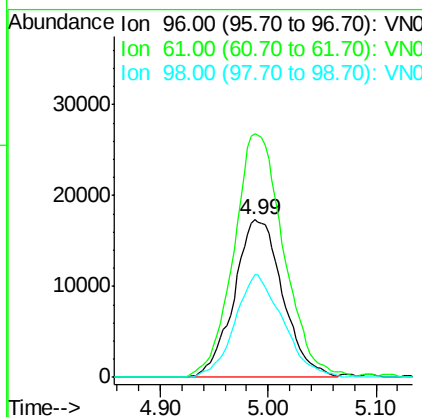
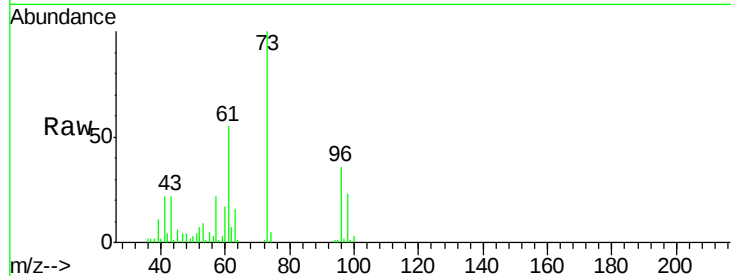
#19
trans-1,2-Dichloroethene
Concen: 18.691 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	125.5	188.3
98	65.1	54.7	82.1

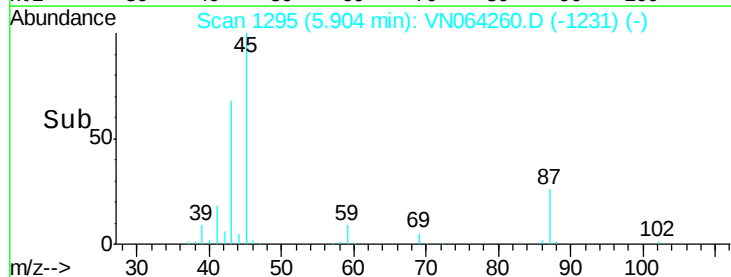
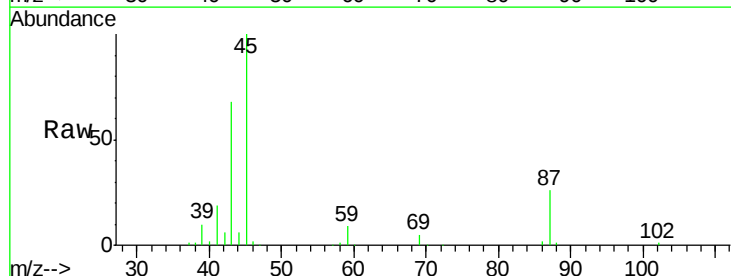
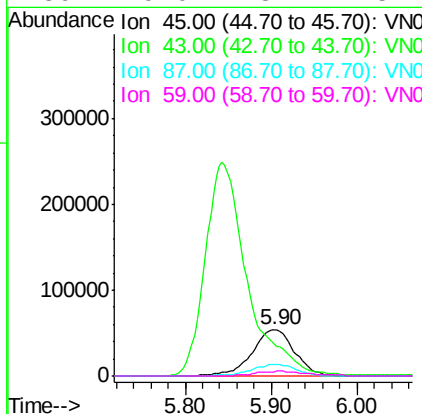
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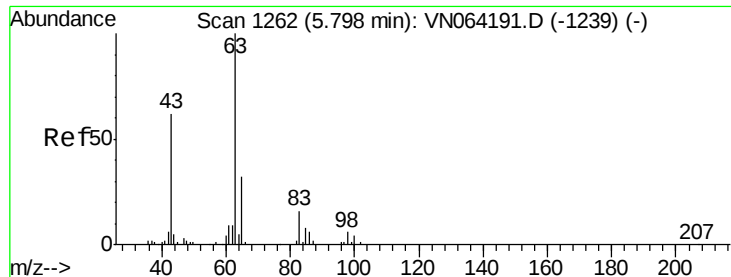
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#20
Diisopropyl ether
Concen: 19.989 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	55.1	82.7
87	26.1	19.4	29.2
59	9.0	8.7	13.1





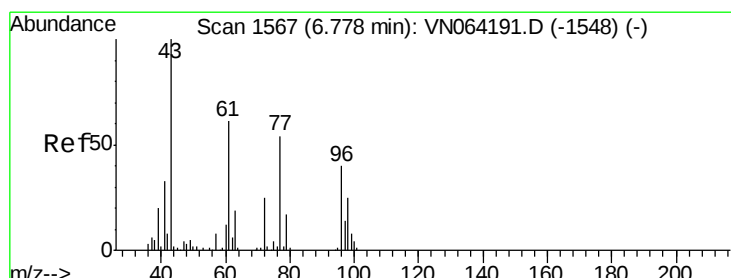
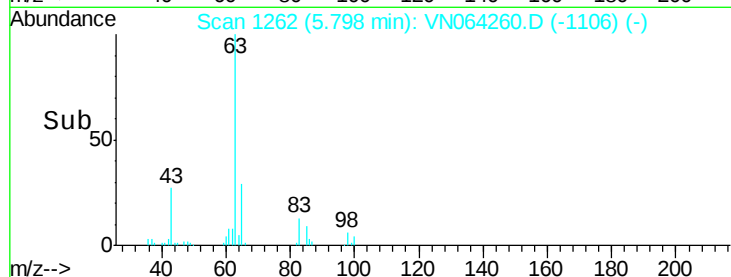
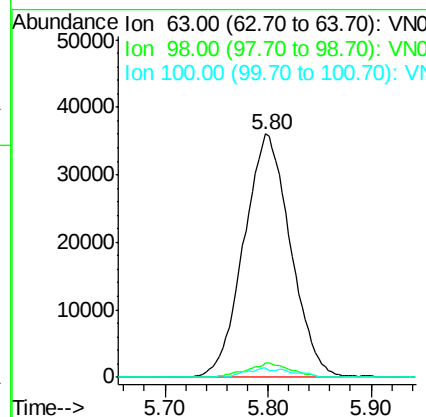
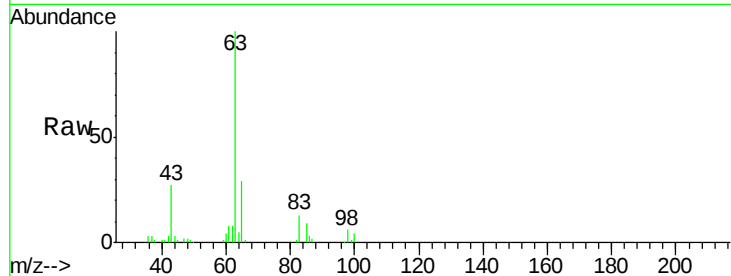
#21
 1,1-Dichloroethane
 Concen: 19.992 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.8	2.9	8.7	
100	3.6	2.1	6.3	

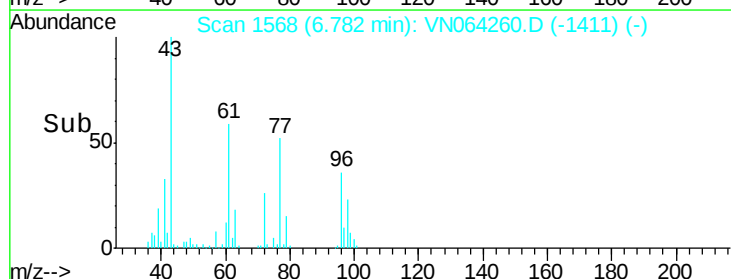
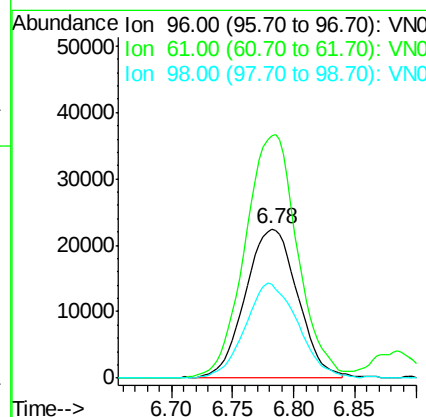
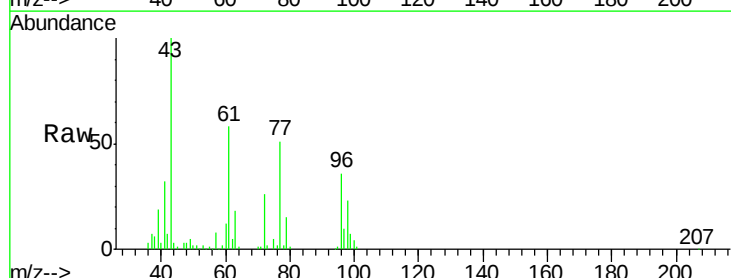
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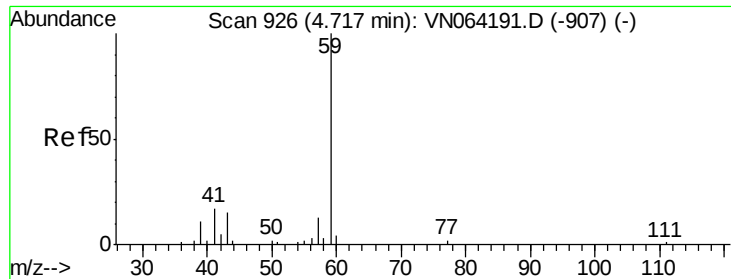
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#22
 cis-1,2-Dichloroethene
 Concen: 19.587 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.8	126.2	189.4	
98	64.3	50.2	75.4	





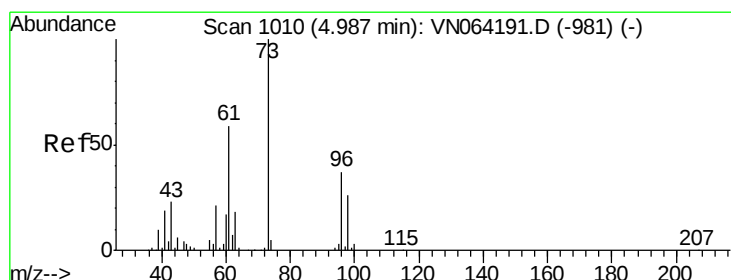
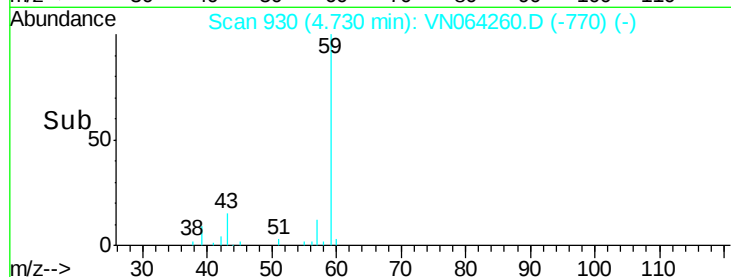
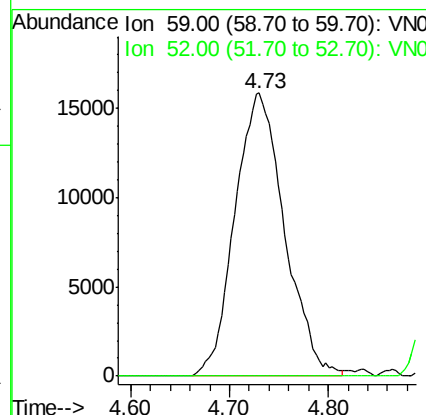
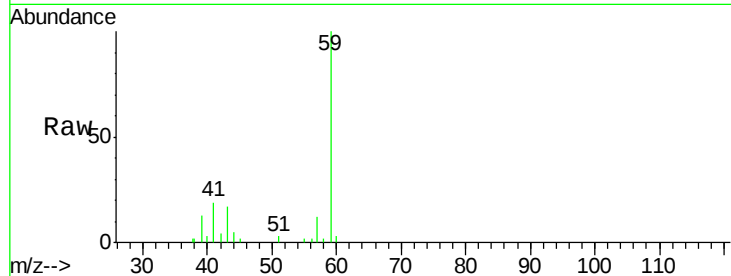
#23
 tert-Butyl Alcohol
 Concen: 104.517 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

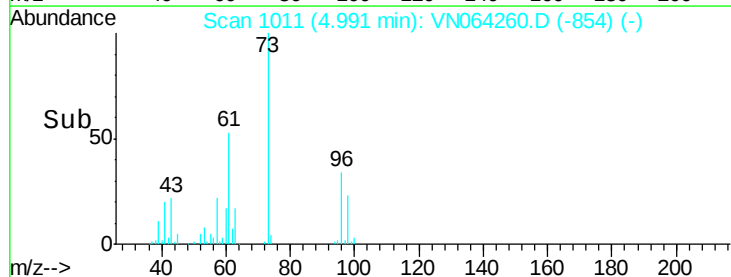
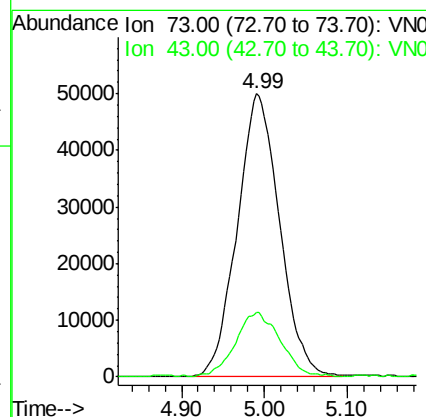
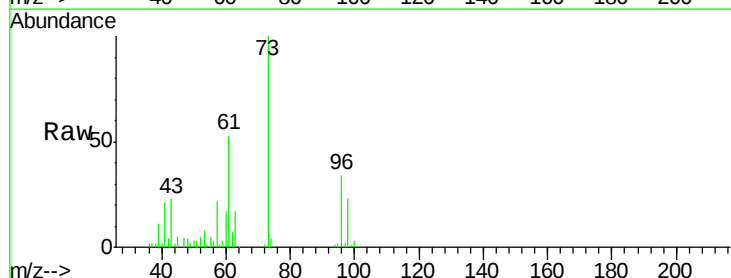
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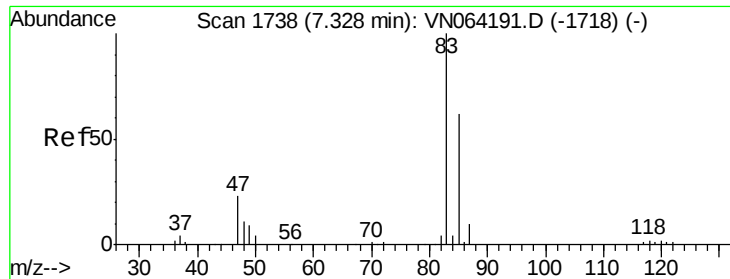
MMDadoda
 10/23/2020 3:37:20 PM



#24
 Methyl tert-Butyl Ether
 Concen: 19.907 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
73	100		
43	0.2	18.2	27.2





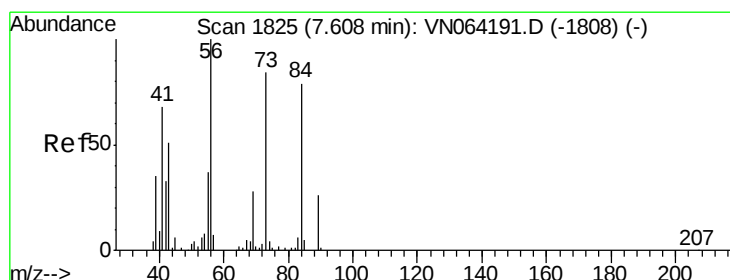
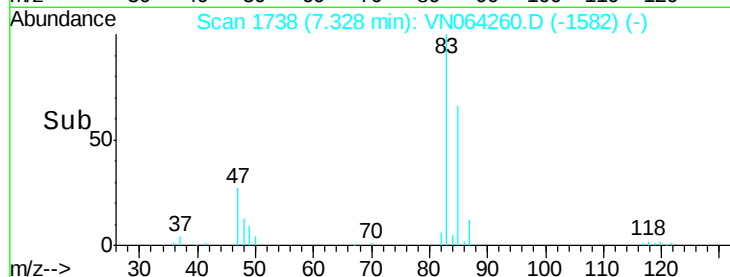
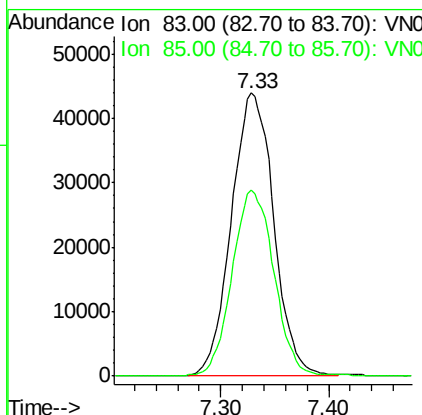
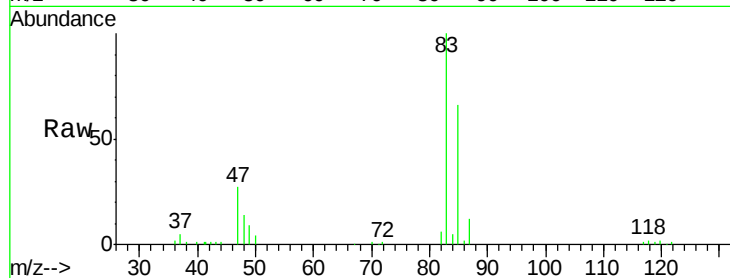
#25
Chloroform
Concen: 20.365 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	83	Resp	119824
Ion Ratio	100	Lower	Upper
85	65.5	49.7	74.5

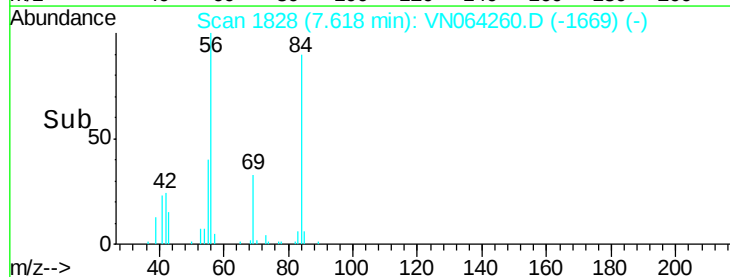
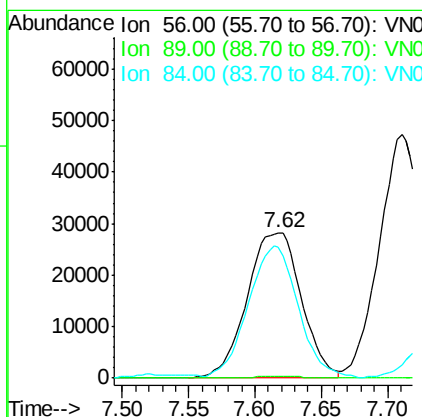
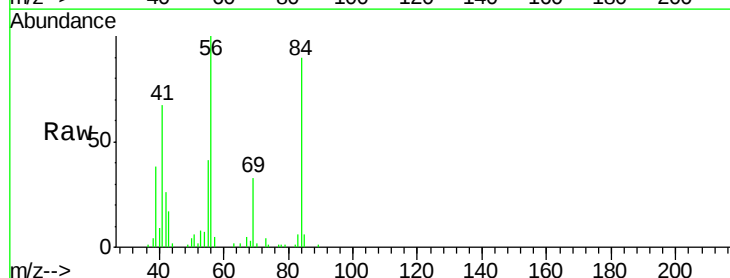
Manual Integrations
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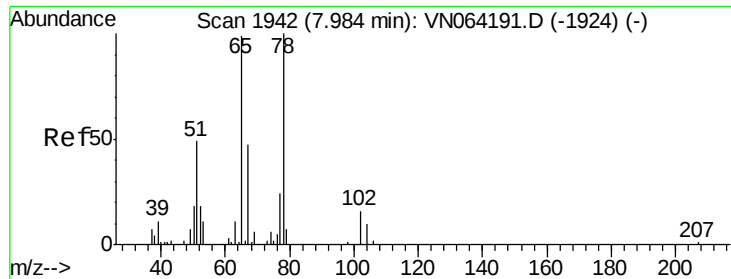
MMDadoda
10/23/2020 3:37:20 PM



#26
Cyclohexane
Concen: 17.959 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	56	Resp	80636
Ion Ratio	100	Lower	Upper
89	0.4	21.4	32.0#
84	84.0	65.8	98.6





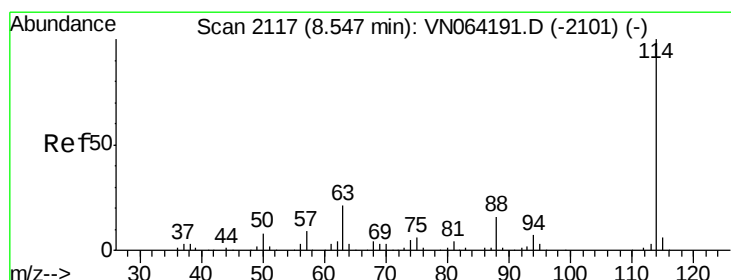
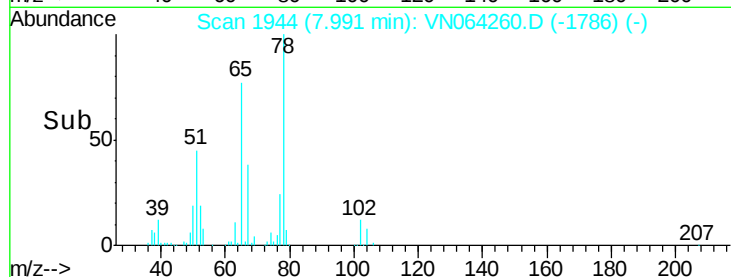
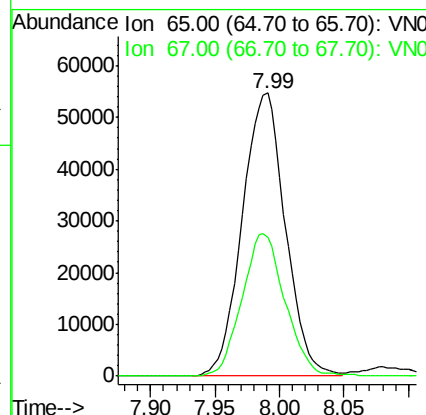
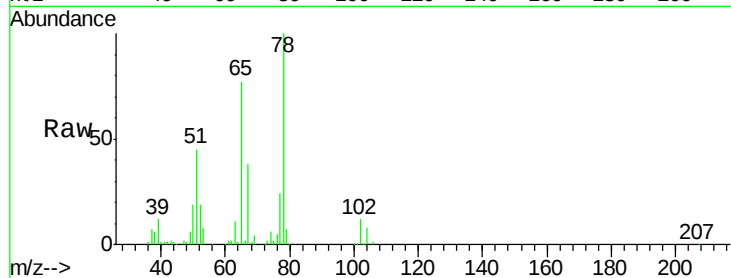
#27
 1,2-Dichloroethane-d4
 Concen: 32.861 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.1	39.8	59.6

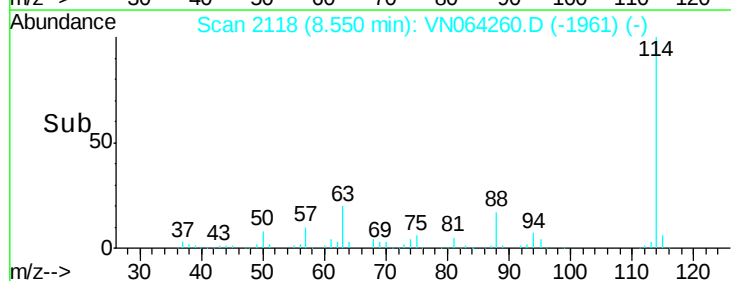
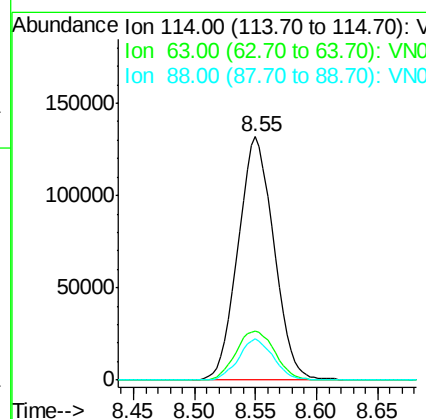
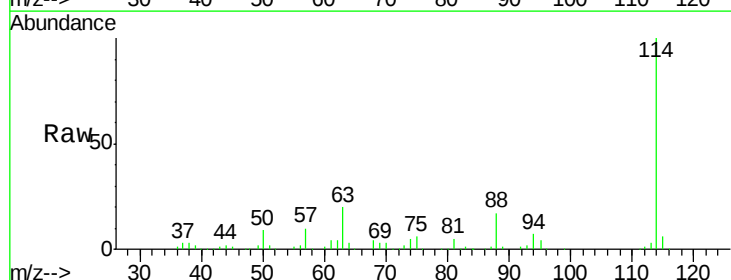
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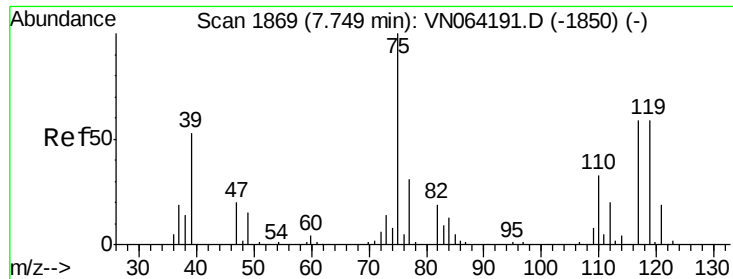
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	17.0	25.4
88	16.4	13.0	19.4





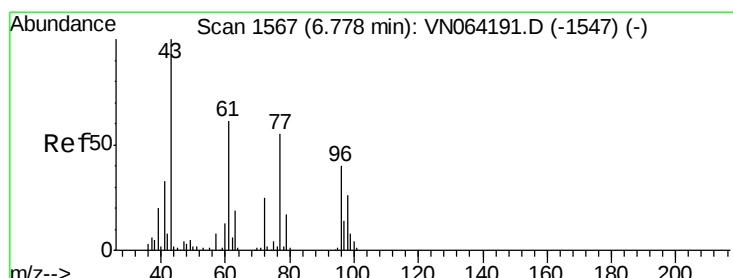
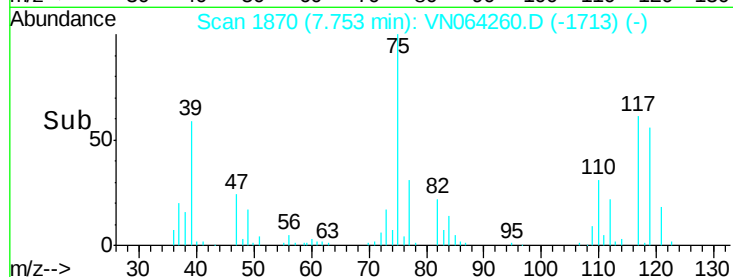
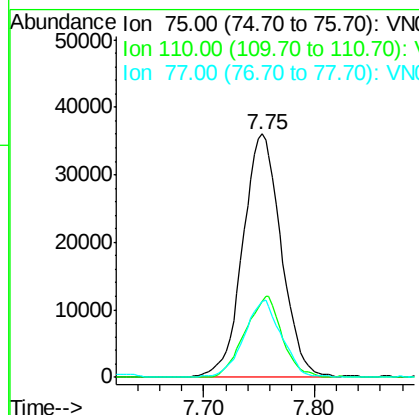
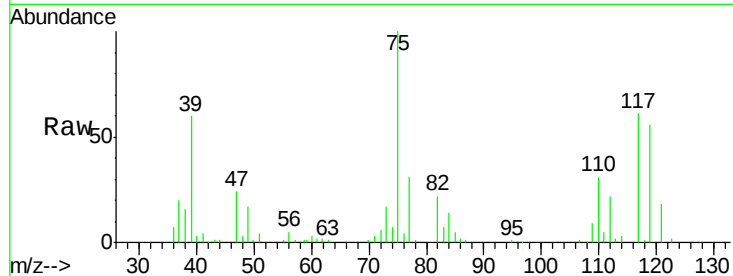
#29
 1,1-Dichloropropene
 Concen: 19.452 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.1	0.0	66.8
77	30.8	0.0	63.6

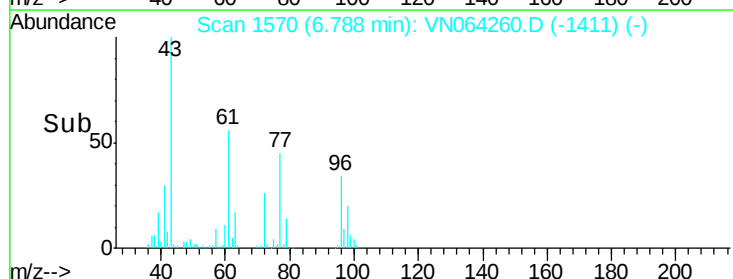
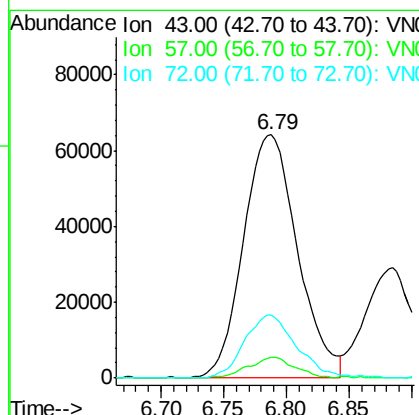
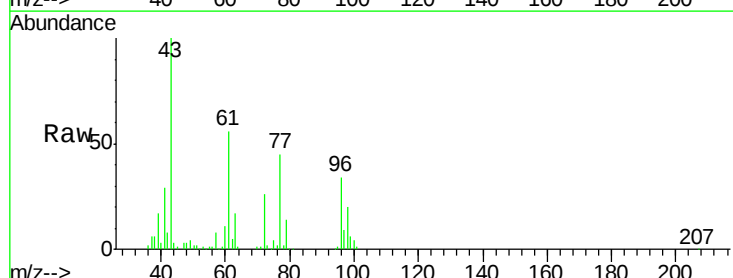
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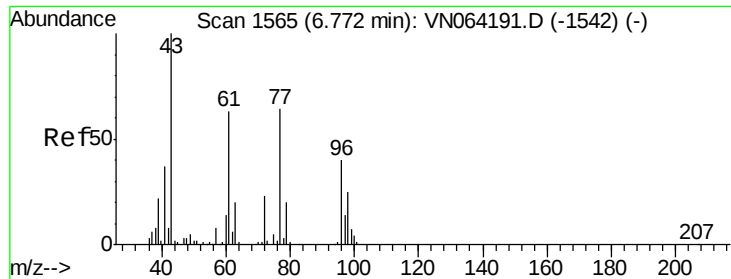
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#30
 2-Butanone
 Concen: 103.927 ug/l
 RT: 6.79 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.5	5.8	8.6
72	24.9	19.8	29.8





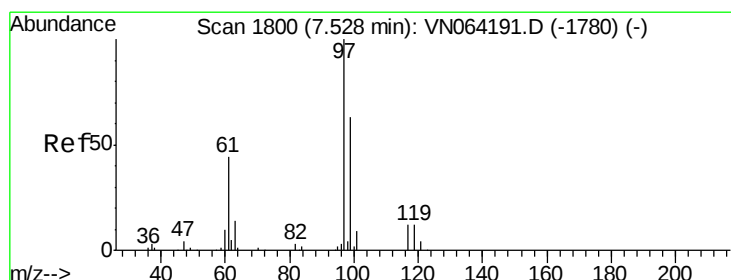
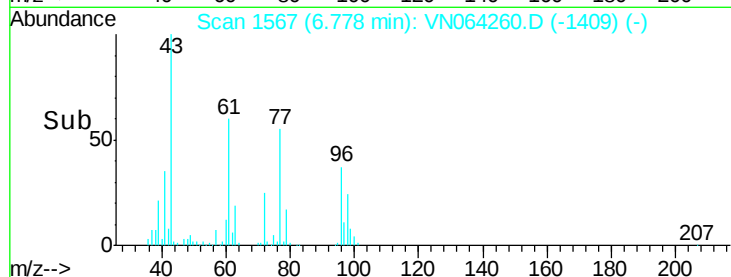
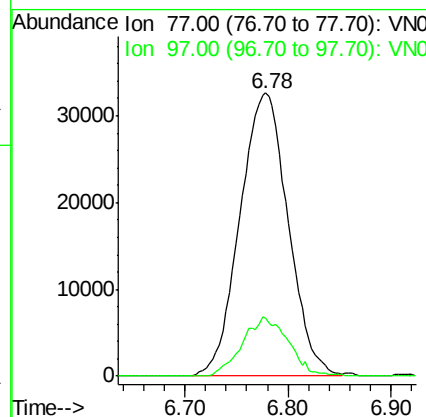
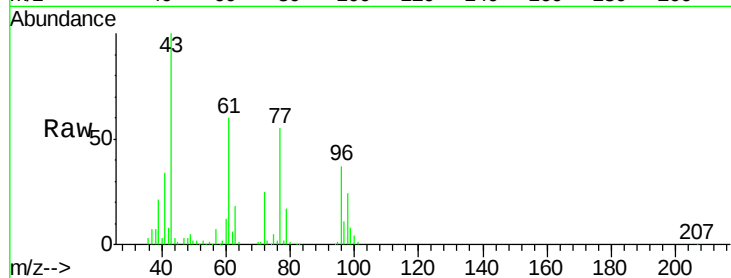
#31
 2,2-Dichloropropane
 Concen: 18.718 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	12.6	17.3	25.9#

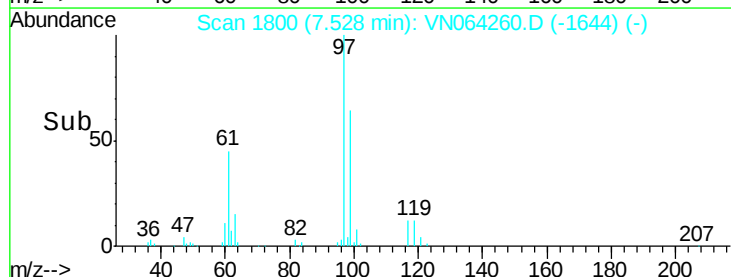
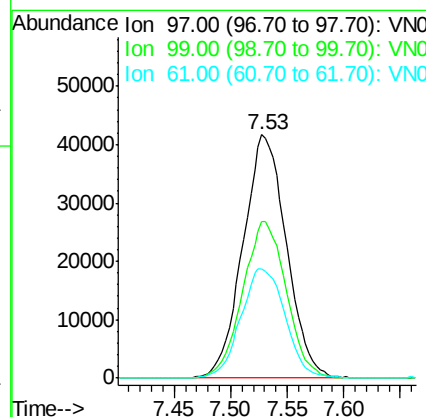
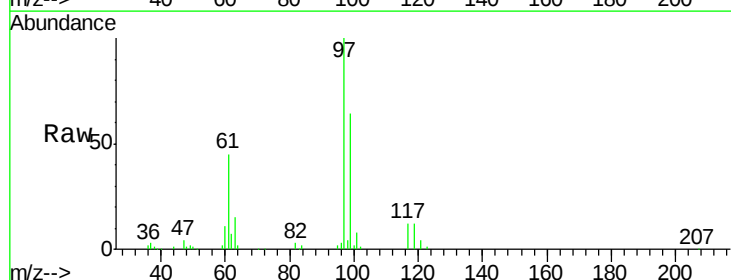
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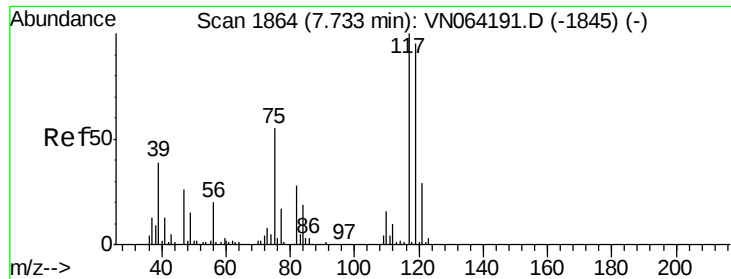
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#32
 1,1,1-Trichloroethane
 Concen: 19.591 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	45.7	34.8	52.2





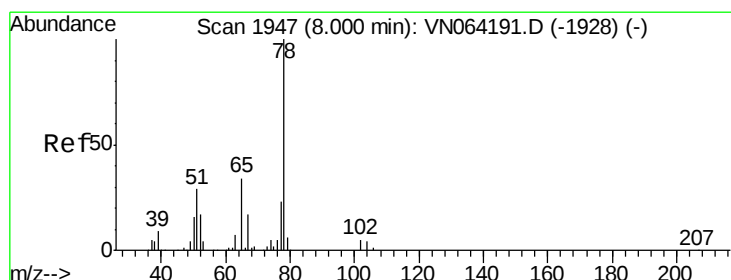
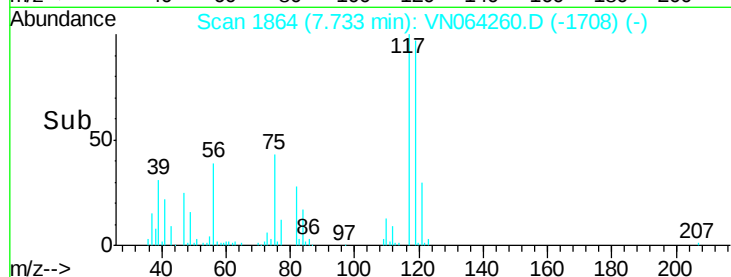
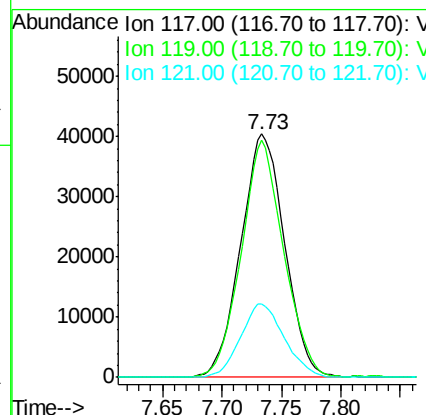
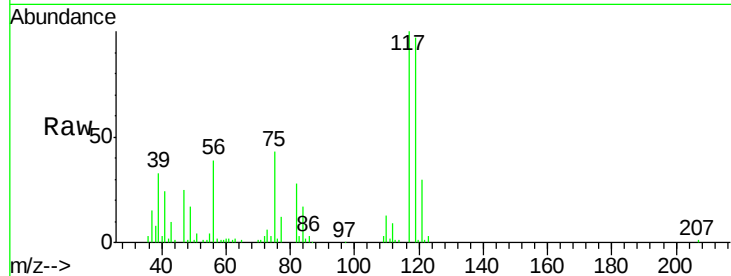
#33
Carbon Tetrachloride
Concen: 19.897 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.0	114.0
121	30.2	23.0	34.6

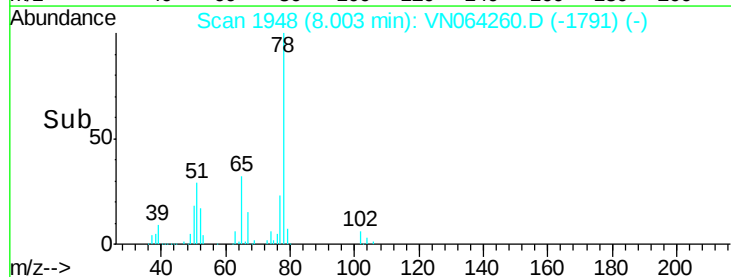
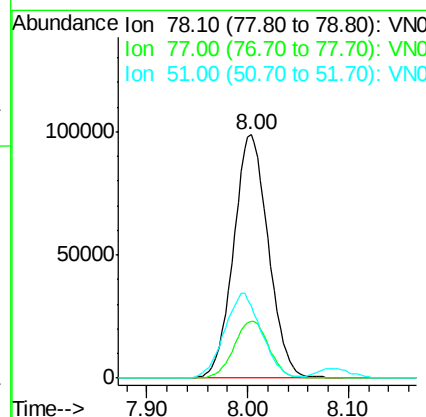
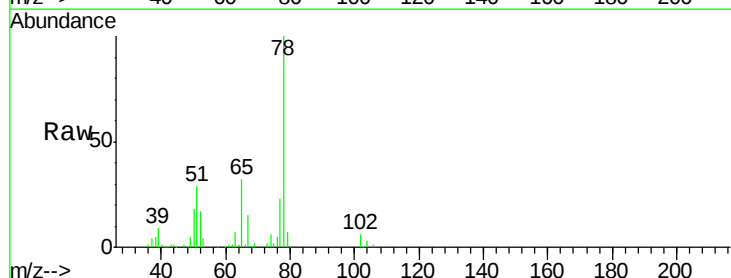
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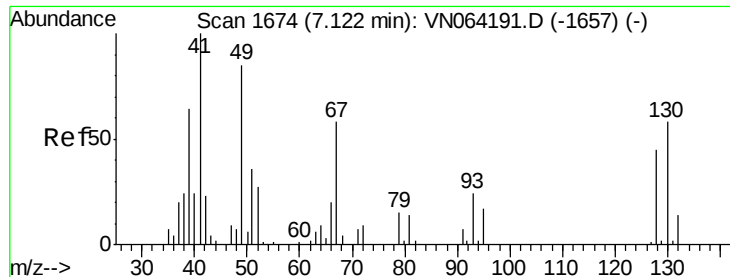
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#34
Benzene
Concen: 19.054 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6
51	29.1	23.0	34.6





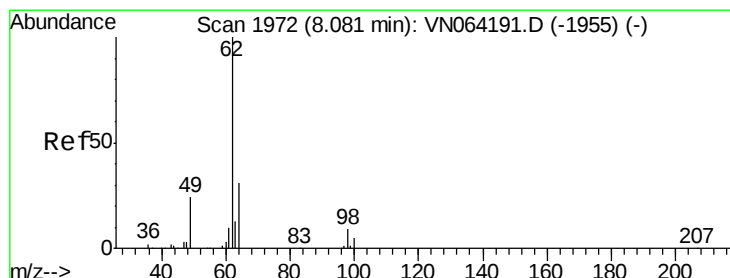
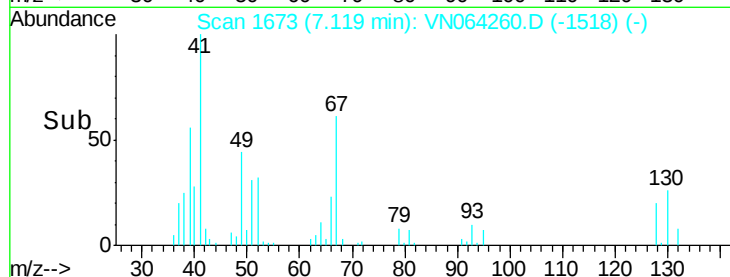
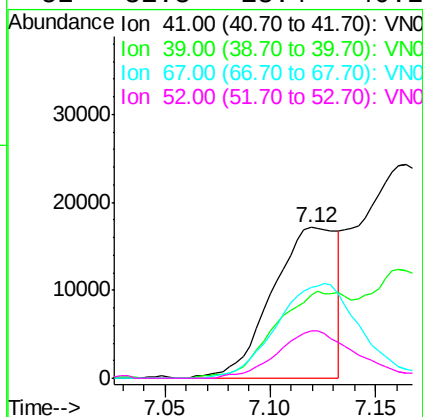
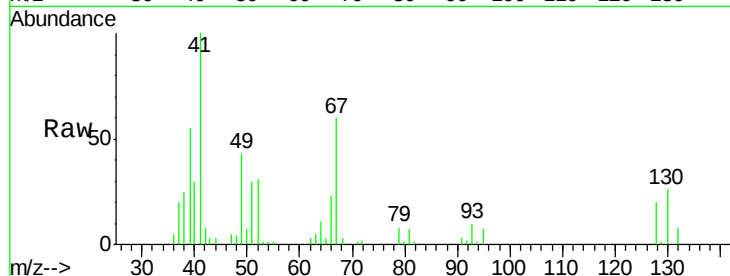
#35
Methacrylonitrile
Concen: 18.058 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	41	Resp	36449
Ion Ratio	Lower	Upper	
41	100		
39	55.0	32.1	96.3
67	60.1	28.9	86.8
52	31.3	13.4	40.2

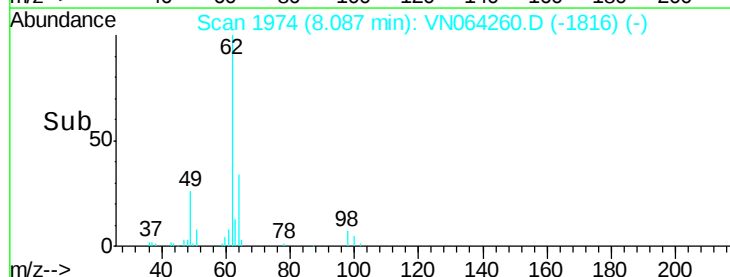
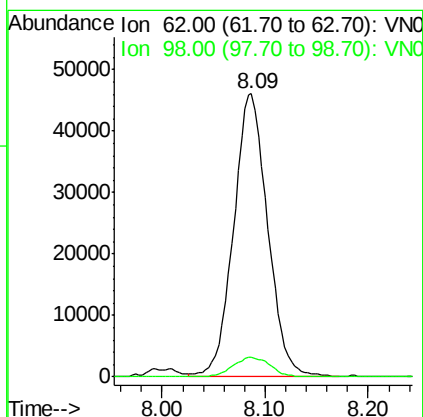
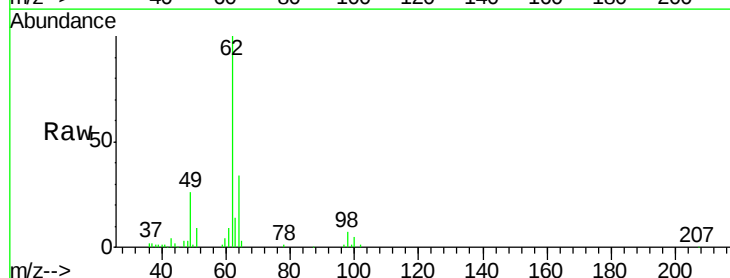
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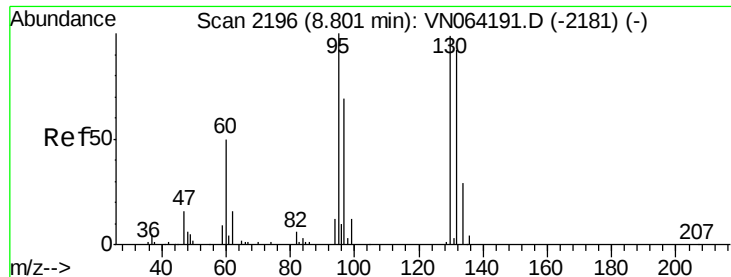
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#36
1,2-Dichloroethane
Concen: 21.145 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	62	Resp	106270
Ion Ratio	Lower	Upper	
62	100		
98	7.4	6.3	9.5





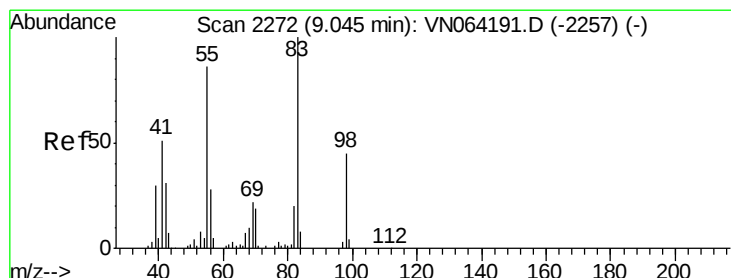
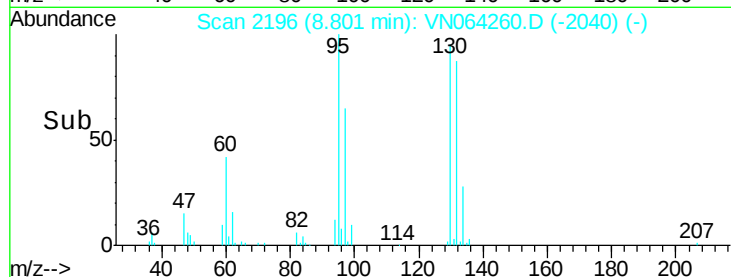
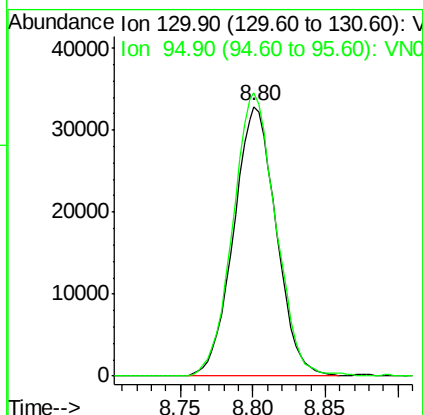
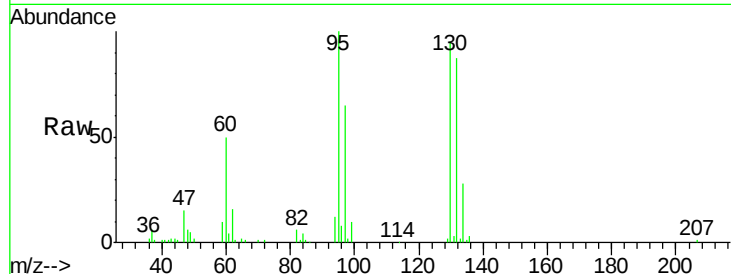
#37
 Trichloroethene
 Concen: 19.548 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion:130 Resp: 66880
 Ion Ratio Lower Upper
 130 100
 95 105.0 81.0 121.4

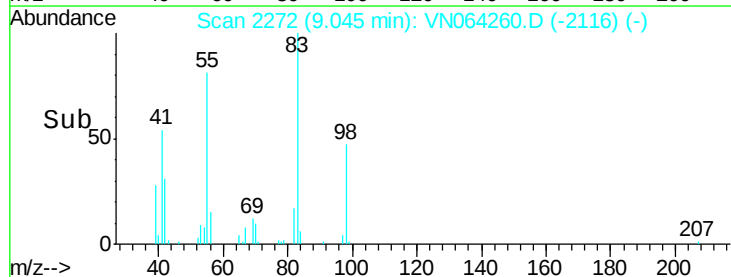
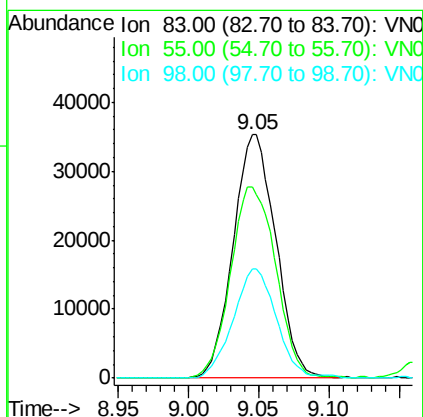
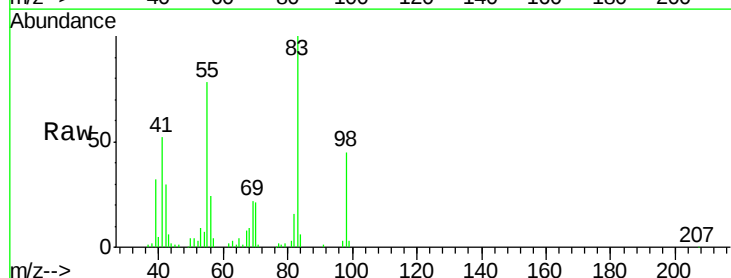
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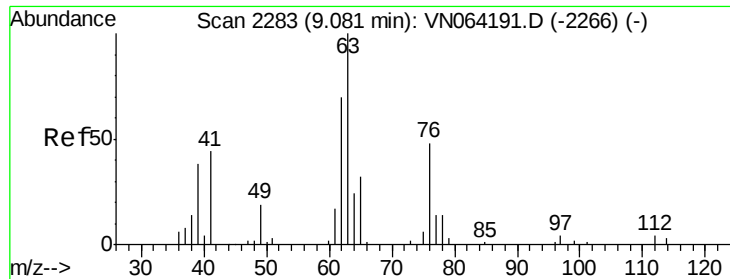
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#38
 Methylcyclohexane
 Concen: 17.505 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion: 83 Resp: 74709
 Ion Ratio Lower Upper
 83 100
 55 83.1 40.3 120.9
 98 45.1 22.4 67.0





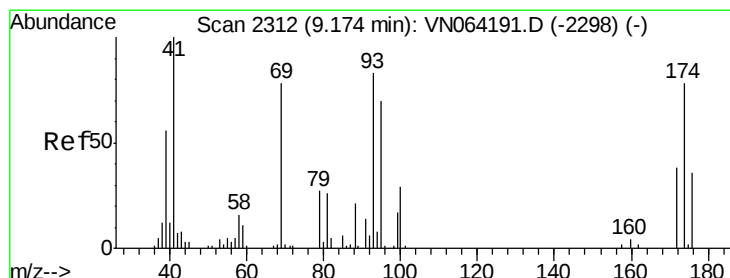
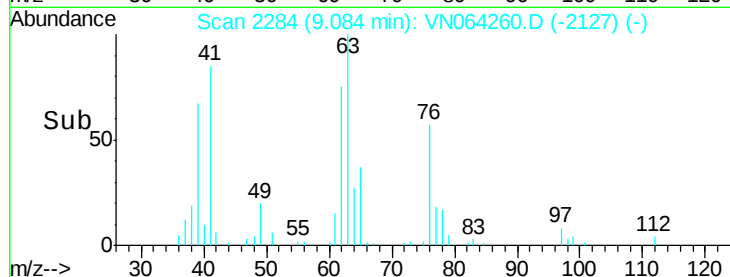
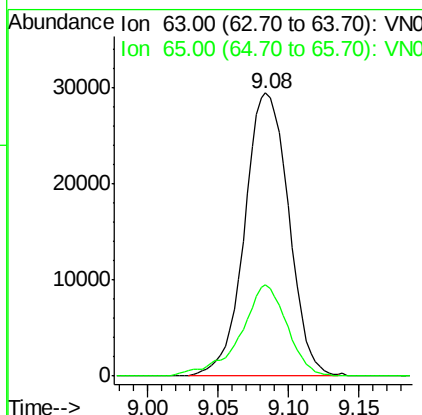
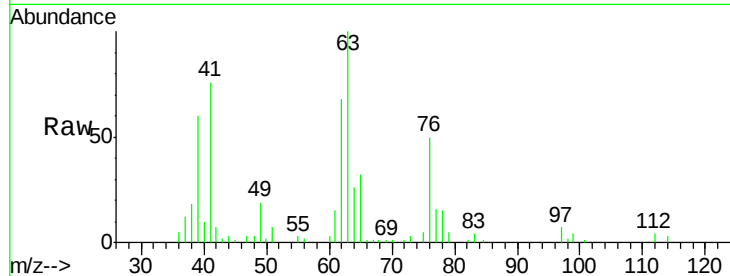
#39
 1,2-Dichloropropane
 Concen: 19.453 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion: 63 Resp: 64508
 Ion Ratio Lower Upper
 63 100
 65 32.4 26.5 39.7

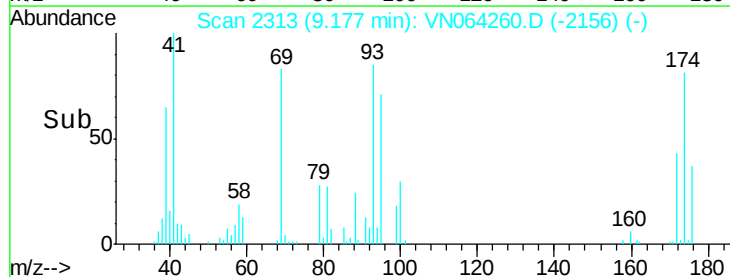
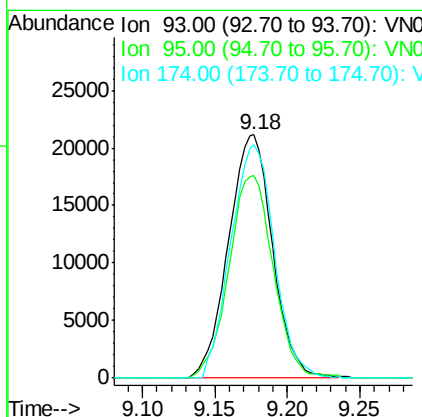
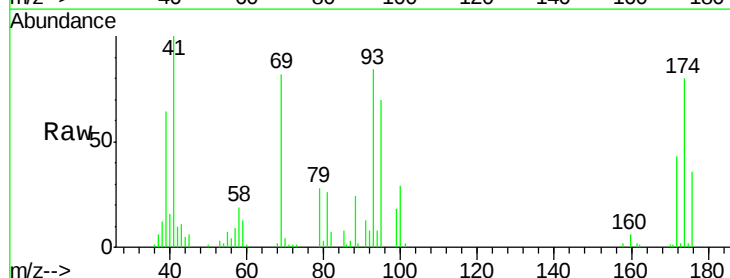
Manual Integrations
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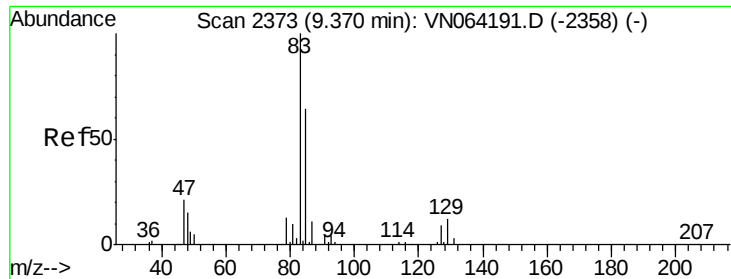
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#40
 Dibromomethane
 Concen: 19.380 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion: 93 Resp: 44715
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 169.2
 174 94.6 0.0 187.4





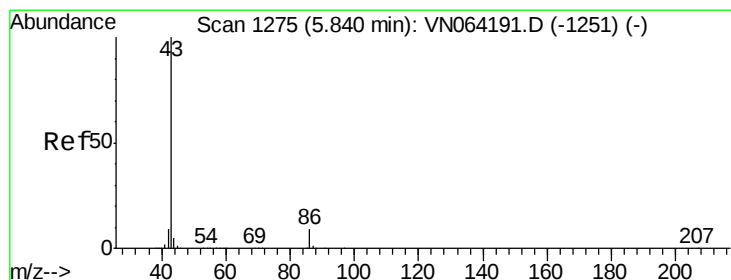
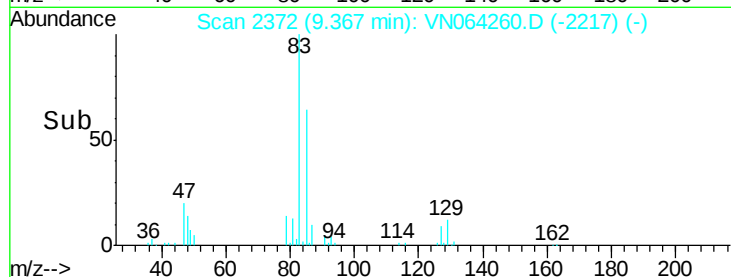
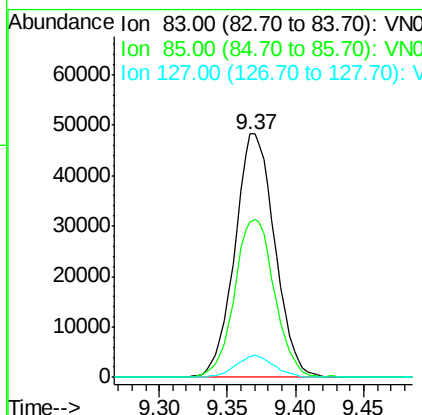
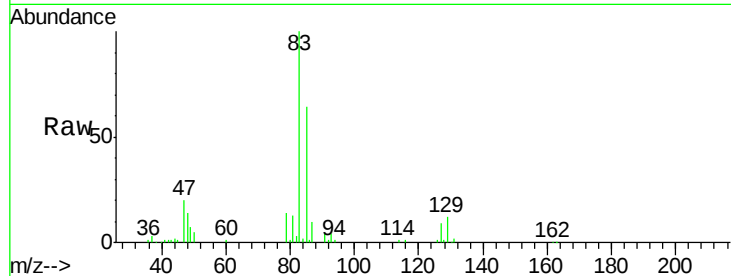
#41
Bromodichloromethane
Concen: 19.656 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	83	Resp	98151
Ion Ratio	100		
85	63.6	51.5	77.3
127	8.7	6.8	10.2

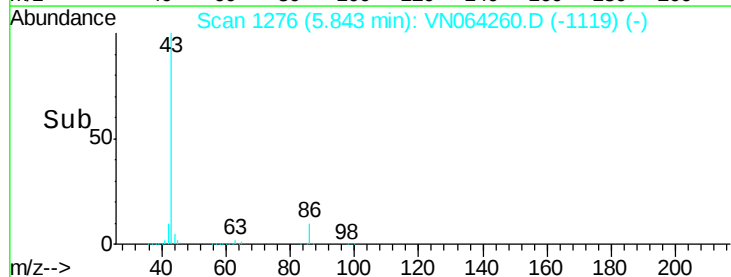
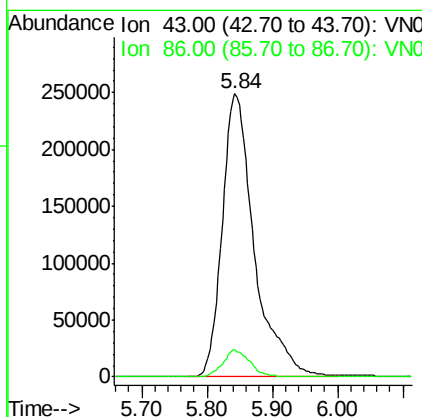
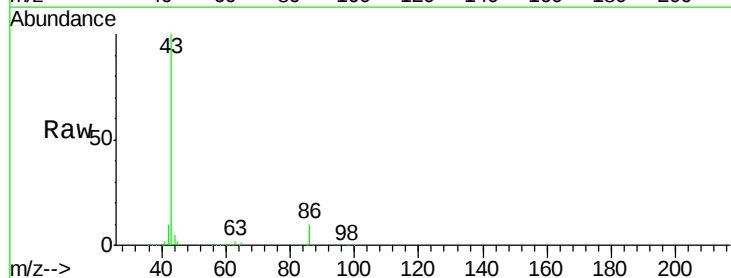
Manual Integrations
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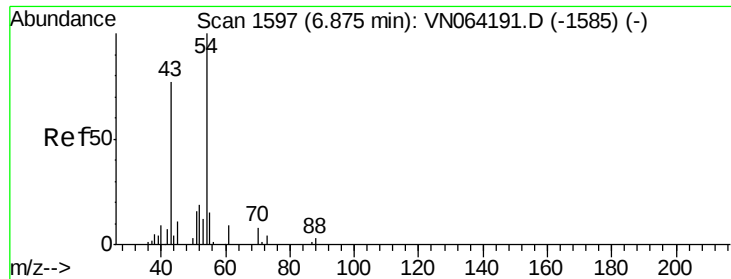
MMDadoda
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#42
Vinyl Acetate
Concen: 97.326 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	43	Resp	850244
Ion Ratio	100		
86	8.2	6.7	10.1





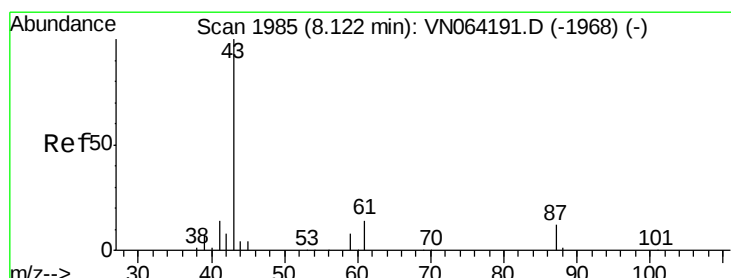
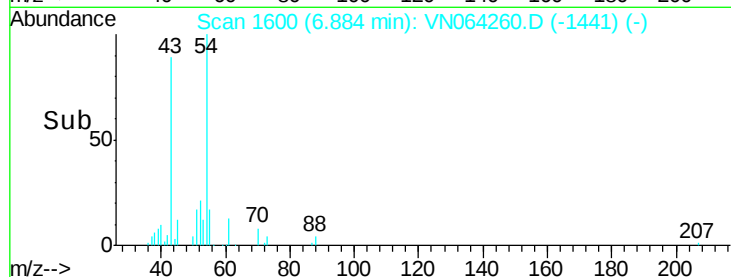
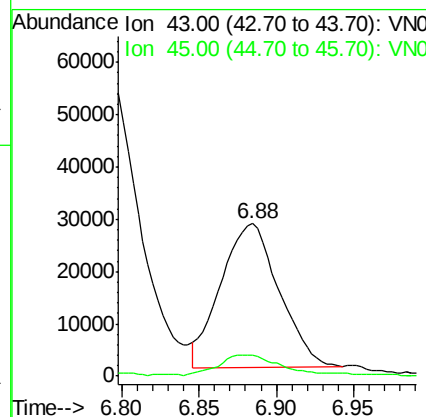
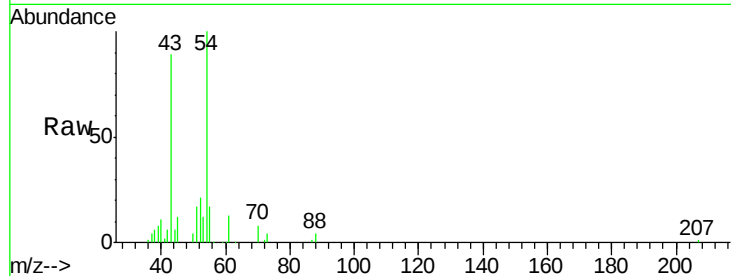
#43
Ethyl Acetate
Concen: 17.848 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion: 43 Resp: 71732
Ion Ratio Lower Upper
43 100
45 7.2 9.8 14.8#

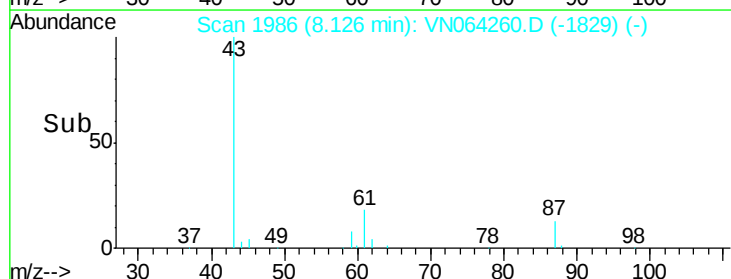
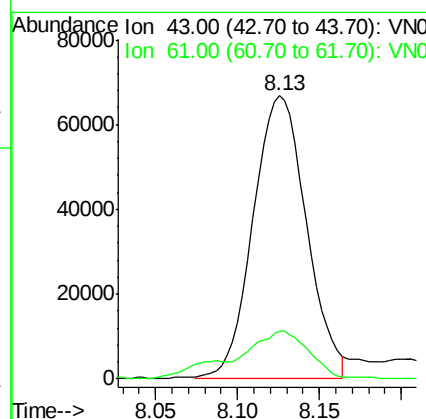
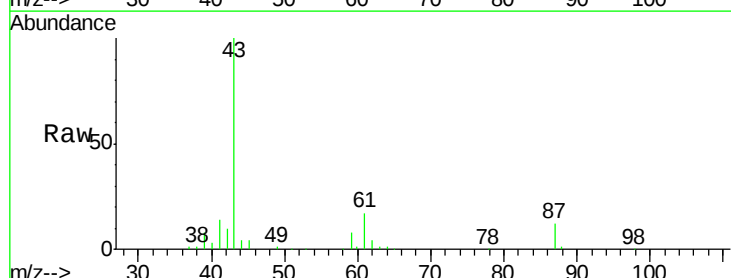
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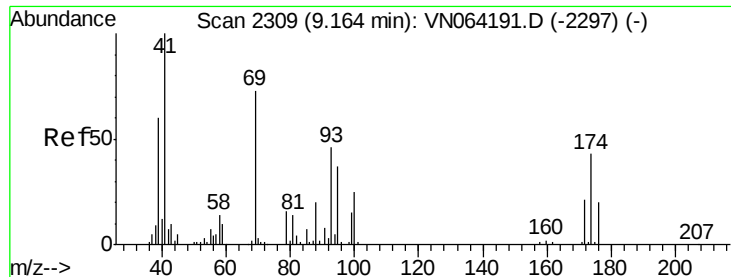
MMDadoda
10/23/2020 3:37:20 PM



#44
Isopropyl Acetate
Concen: 19.646 ug/l m
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion: 43 Resp: 151580
Ion Ratio Lower Upper
43 100
61 0.8 18.7 28.1#





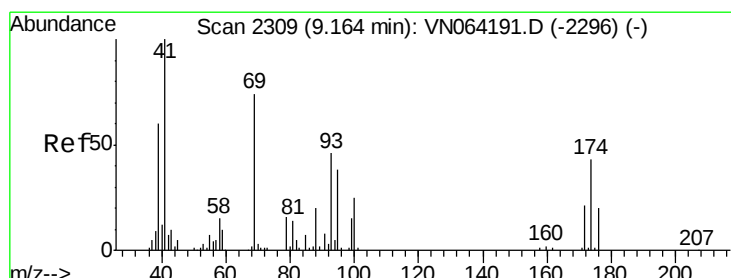
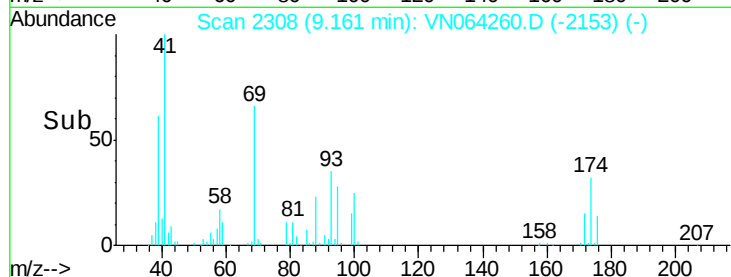
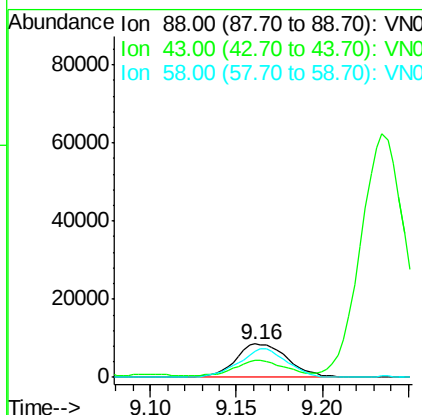
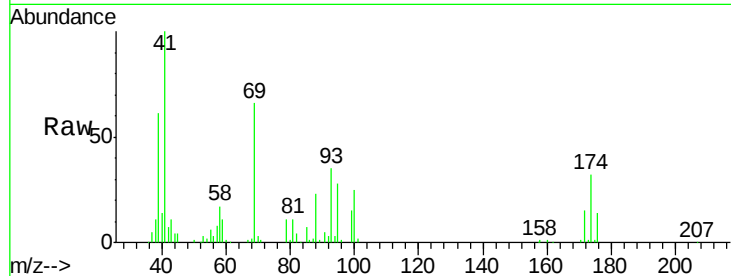
#45
1,4-Dioxane
Concen: 399.412 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	37.0	55.4
58	78.0	62.4	93.6

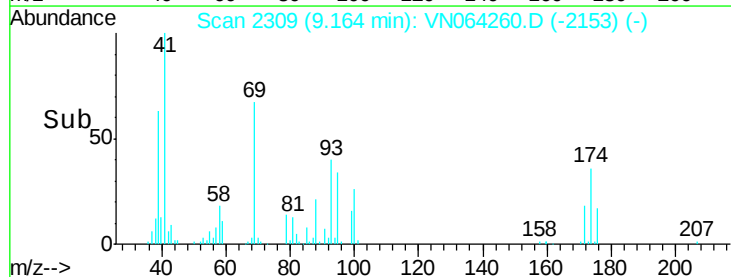
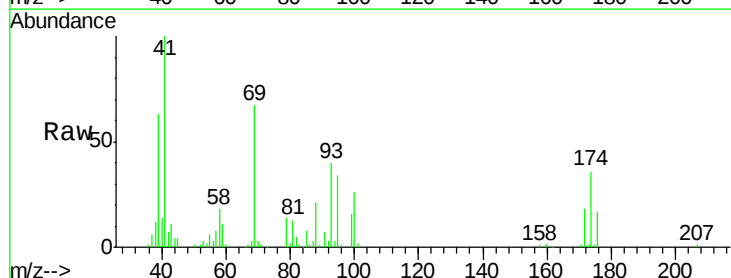
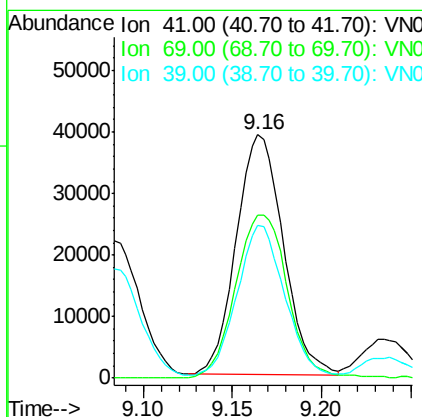
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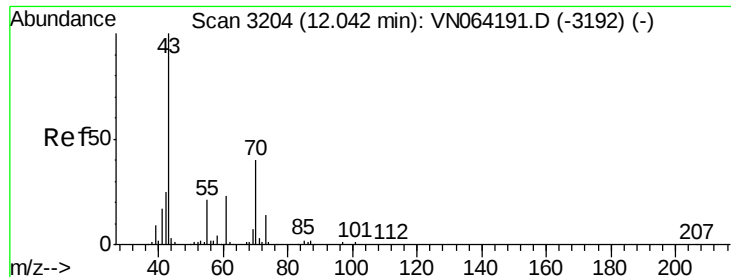
MMDadoda
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#46
Methyl methacrylate
Concen: 19.620 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	68.0	36.8	110.4
39	62.6	30.4	91.2





#47

n-amvl Acetate

Concen: 18.075 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBS01

Tot Ion: 43 Resp: 123718

Ion Ratio Lower Upper

43 100

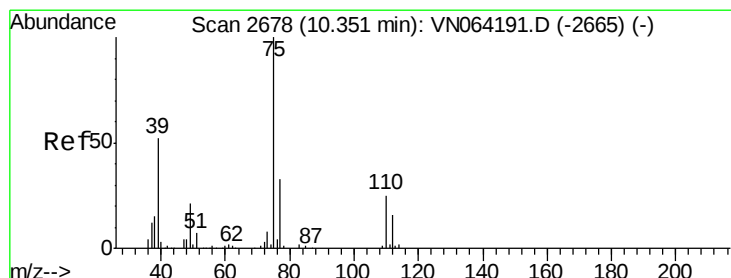
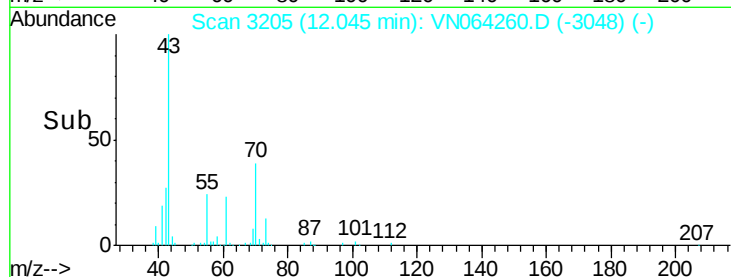
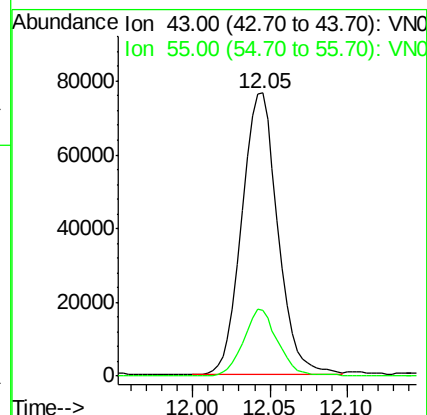
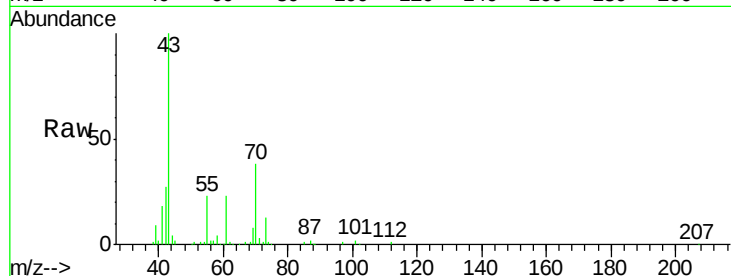
55 22.6 17.6 26.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.468 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064260.D

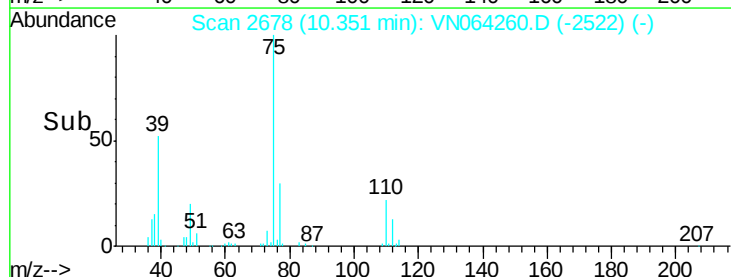
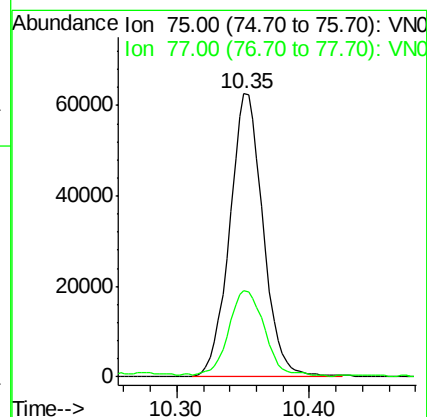
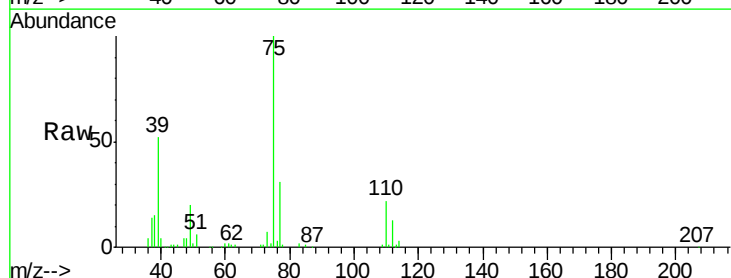
Acq: 22 Oct 2020 19:17

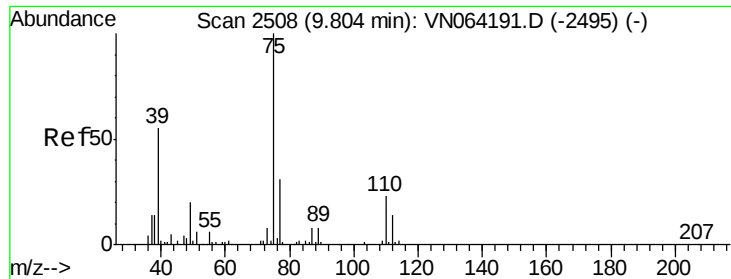
Tgt Ion: 75 Resp: 109638

Ion Ratio Lower Upper

75 100

77 30.0 27.4 41.2





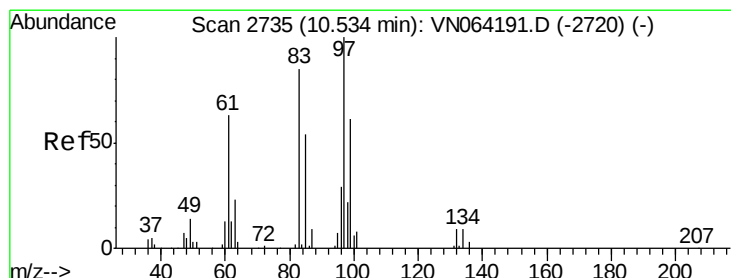
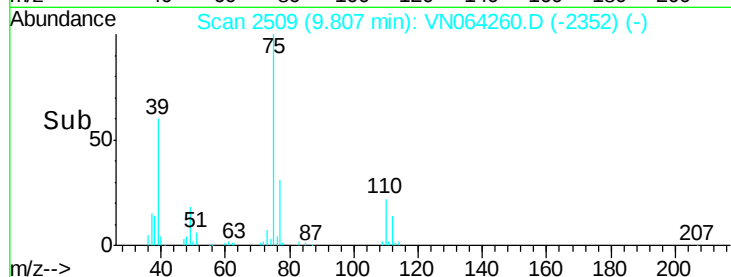
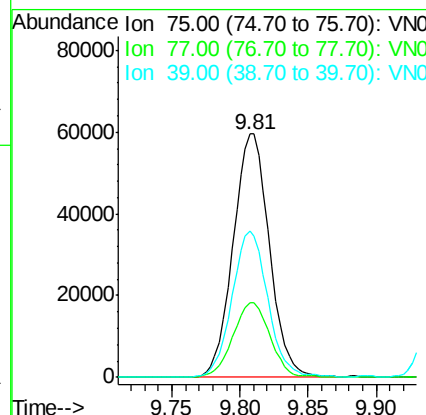
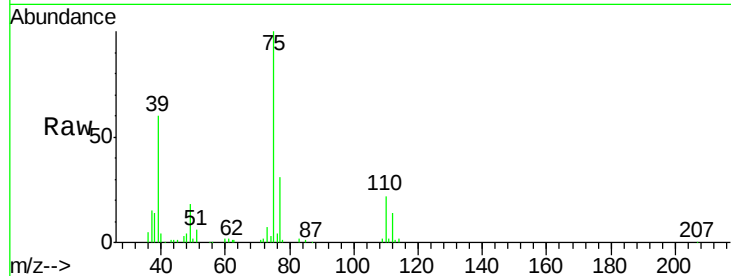
#49
 cis-1,3-Dichloropropene
 Concen: 18.902 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.5	36.7
39	60.1	43.8	65.8

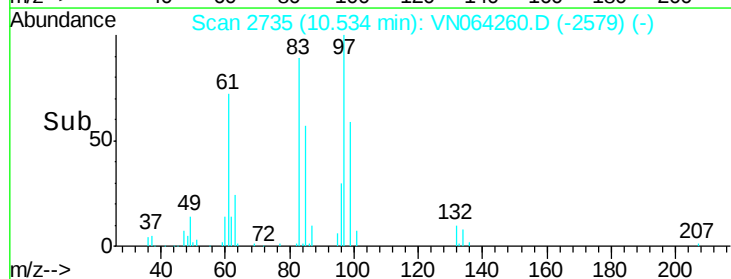
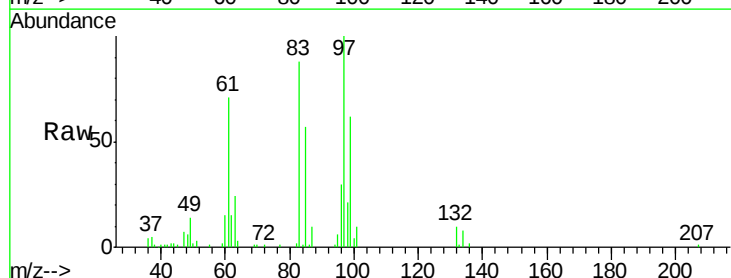
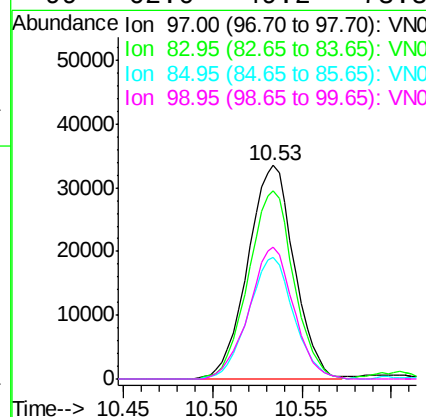
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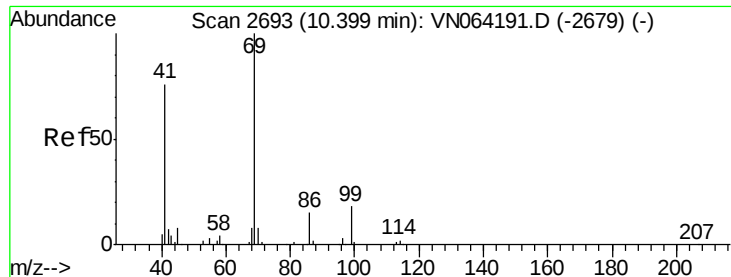
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 10/23/2020 3:37:20 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.695 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	67.7	101.5
85	57.0	43.2	64.8
99	62.0	49.2	73.8





#51

Ethyl methacrylate

Concen: 18.707 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

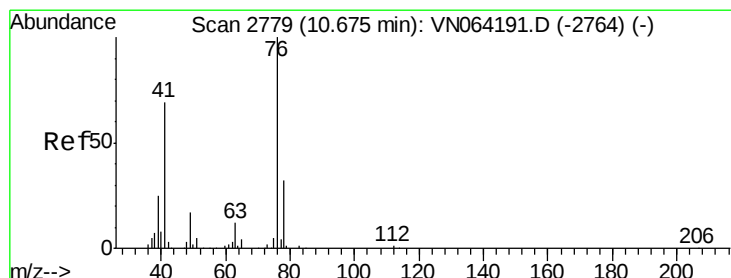
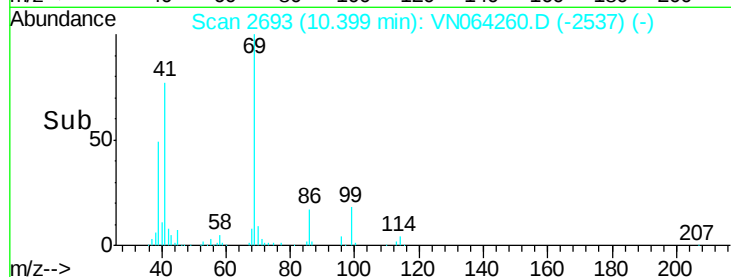
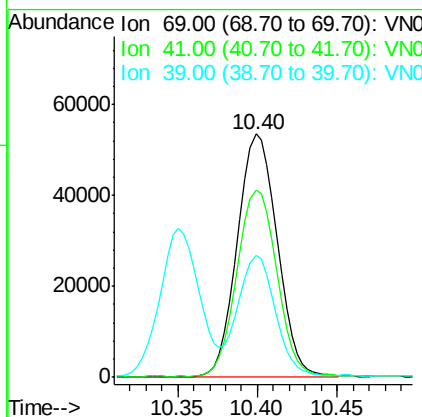
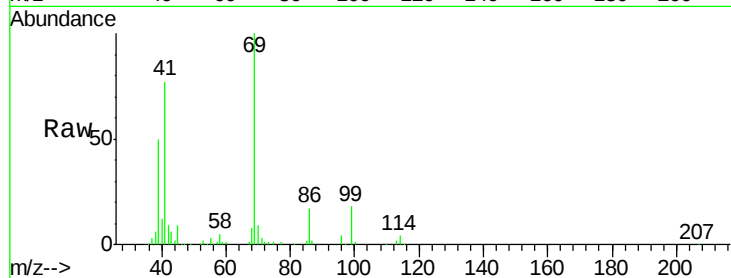
ClientSampleId :

VN1022WBS01

Tot Ion:	69	Resp:	91440
Ion	Ratio	Lower	Upper
69	100		
41	76.8	38.0	114.1
39	49.0	21.4	64.3

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#52

1,3-Dichloropropane

Concen: 19.393 ug/l

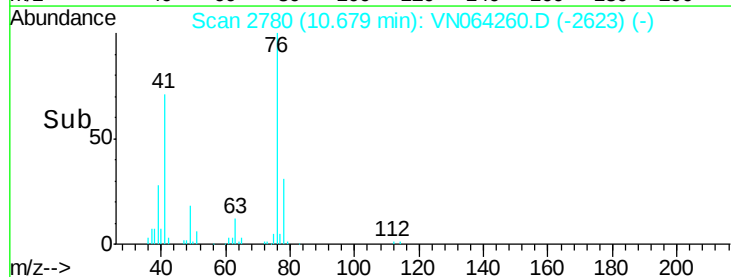
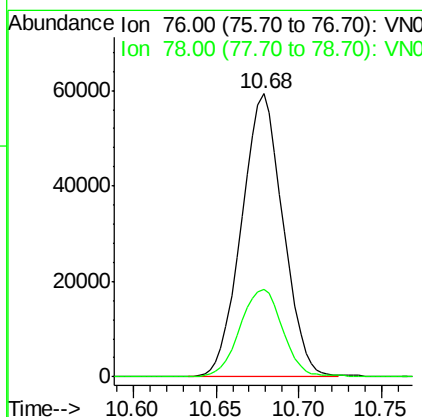
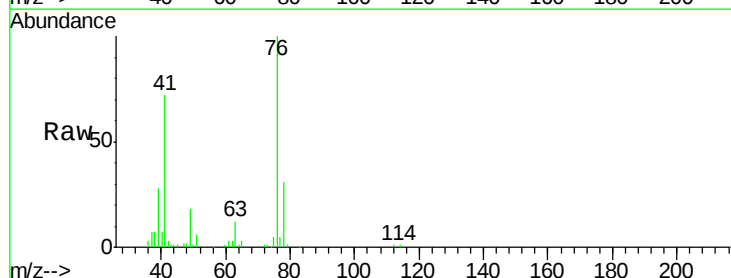
RT: 10.68 min Scan# 2780

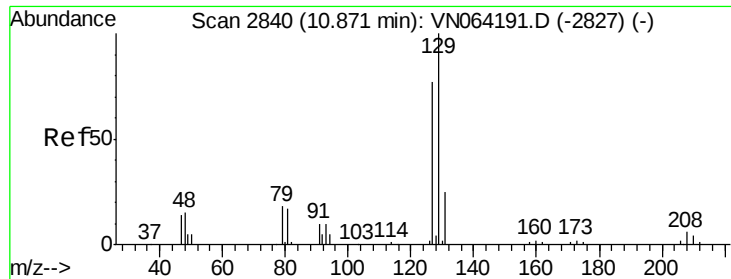
Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Tgt Ion:	76	Resp:	103348
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.4





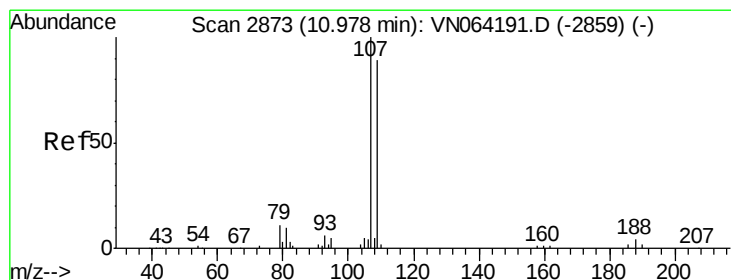
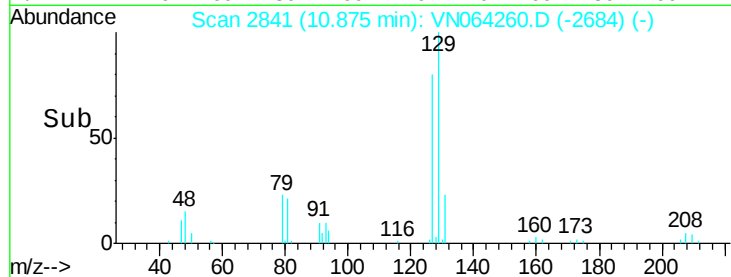
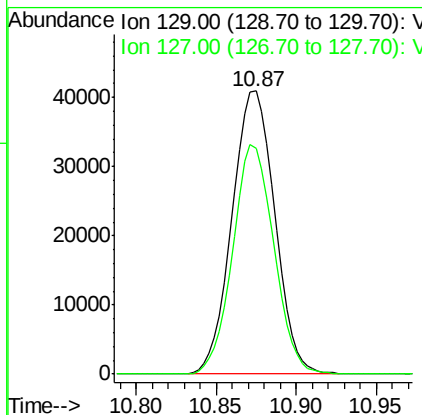
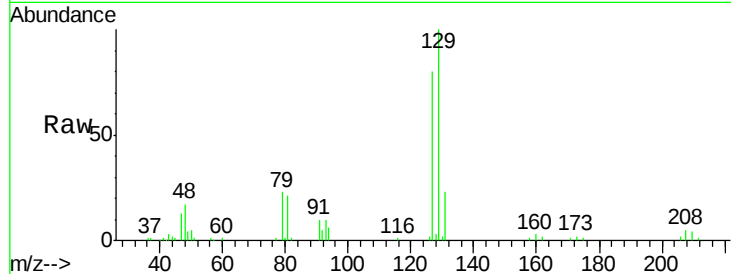
#53
 Dibromochloromethane
 Concen: 19.231 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion:129 Resp: 74819
 Ion Ratio Lower Upper
 129 100
 127 77.8 39.0 117.0

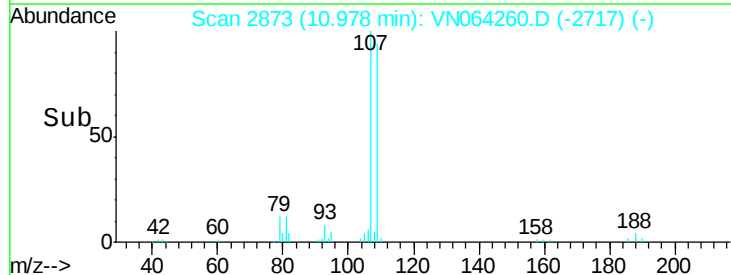
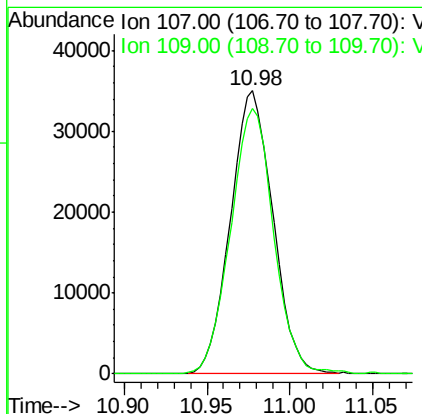
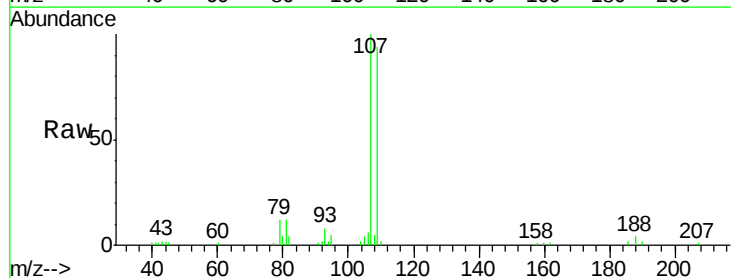
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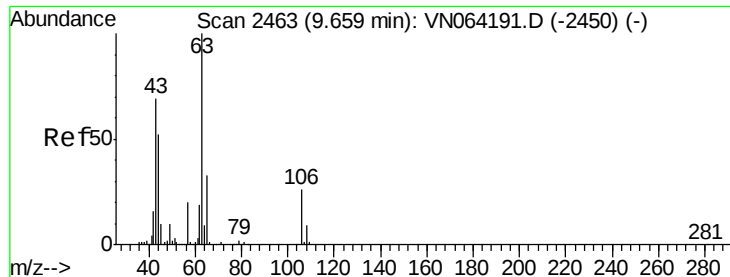
MMDadoda
 10/23/2020 3:37:20 PM



#54
 1,2-Dibromoethane
 Concen: 18.971 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion:107 Resp: 62332
 Ion Ratio Lower Upper
 107 100
 109 95.1 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 92.340 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBS01

Tot Ion: 63 Resp: 221828

Ion Ratio Lower Upper

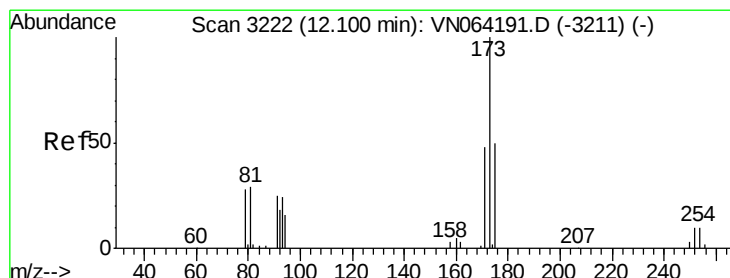
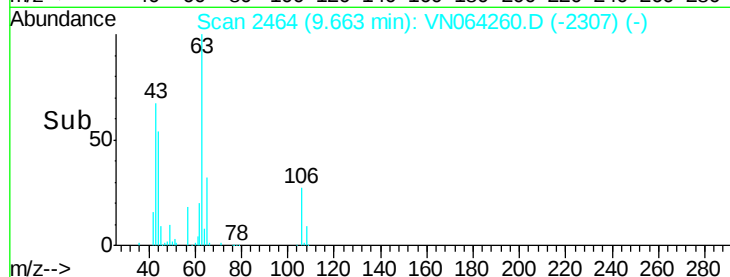
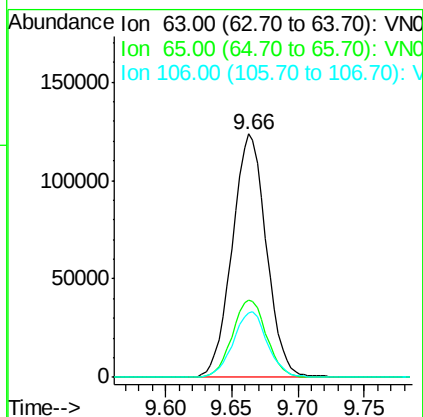
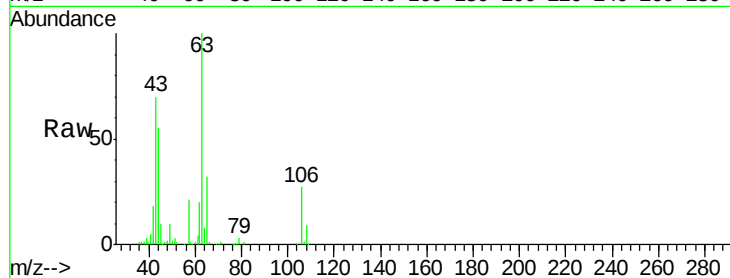
63 100

65 31.8 25.9 38.9

106 26.8 21.4 32.2

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#56

Bromoform

Concen: 18.652 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

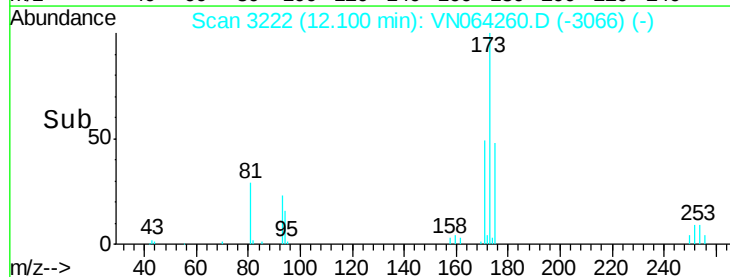
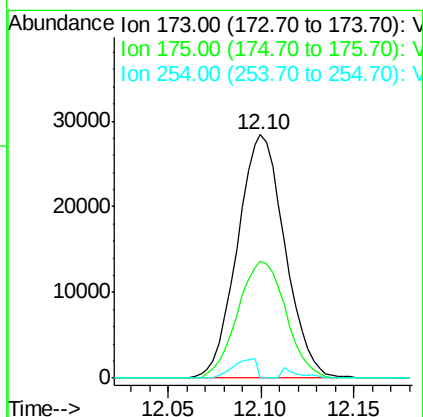
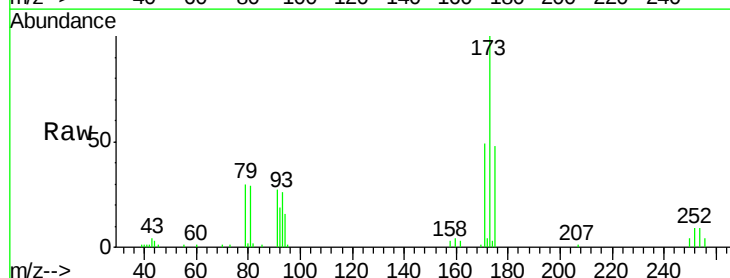
Tgt Ion: 173 Resp: 50535

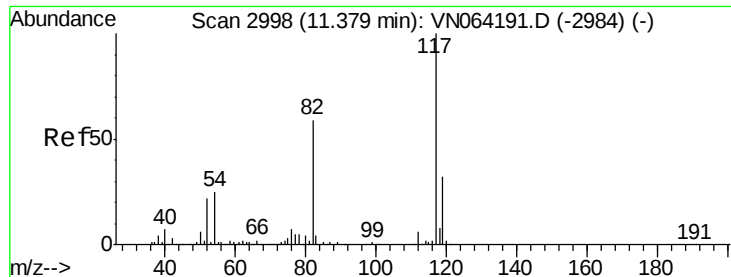
Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 3.8 6.8 10.2#





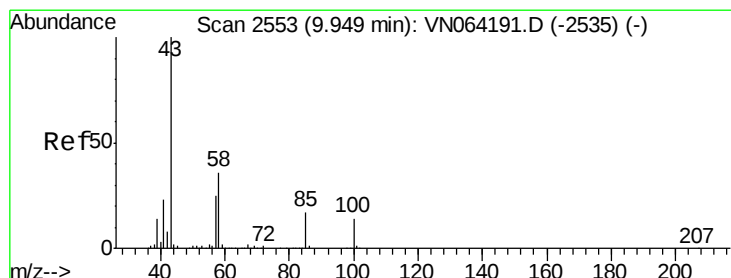
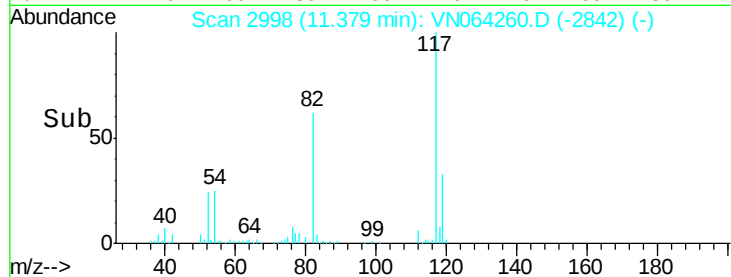
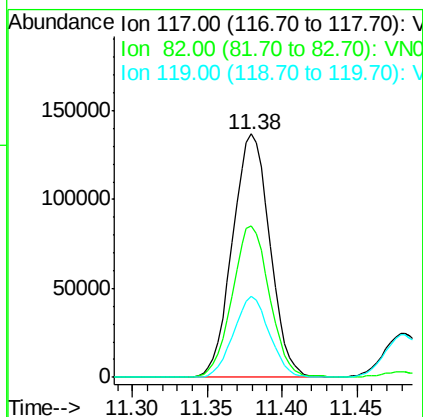
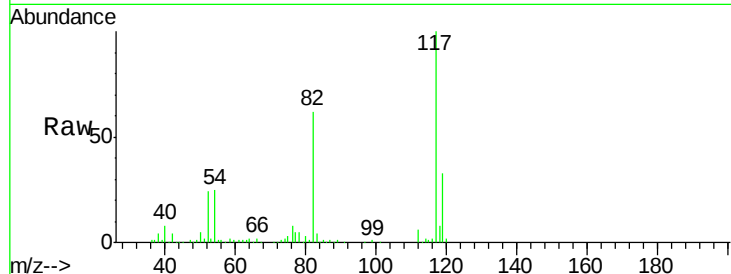
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	238716		
82	62.0		47.8	71.8
119	31.9		25.7	38.5

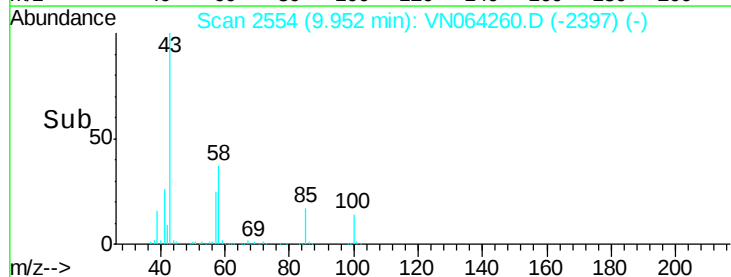
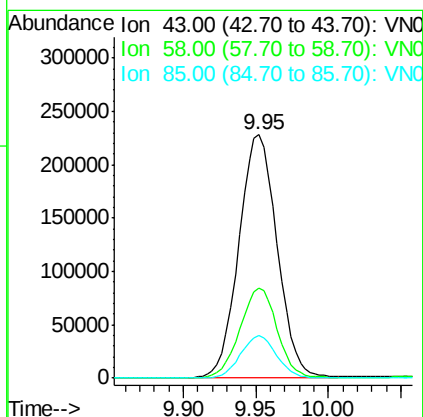
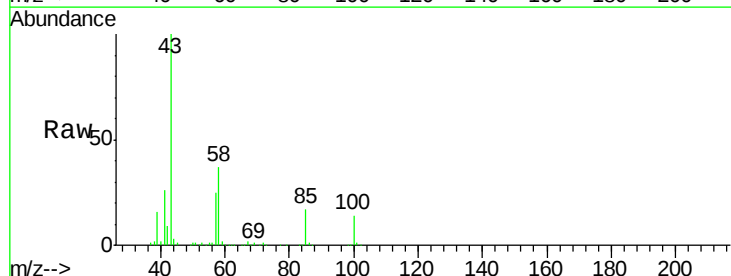
Manual Integrations
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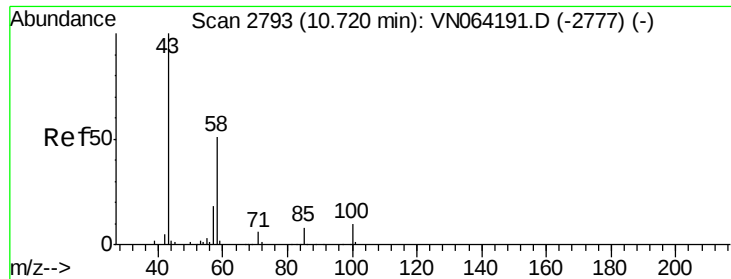
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 103.005 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	416673		
58	36.2		29.5	44.3
85	16.6		13.7	20.5





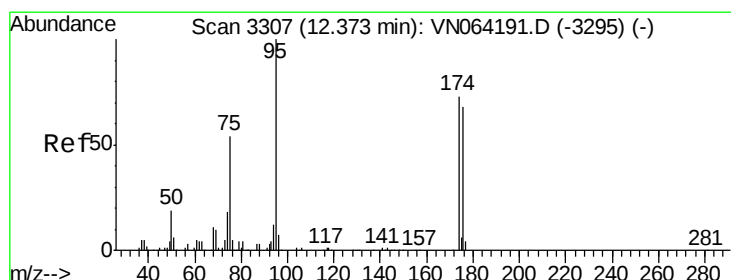
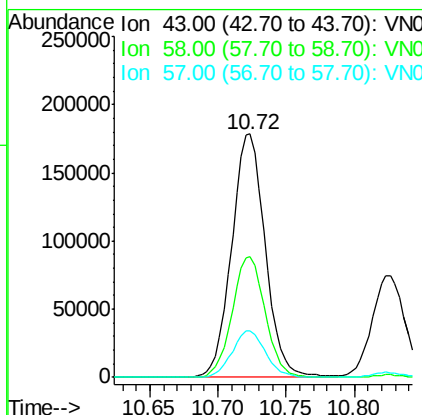
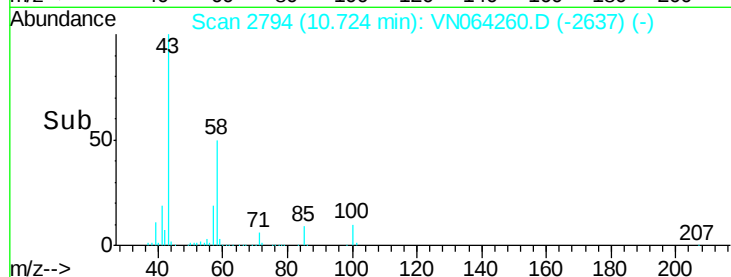
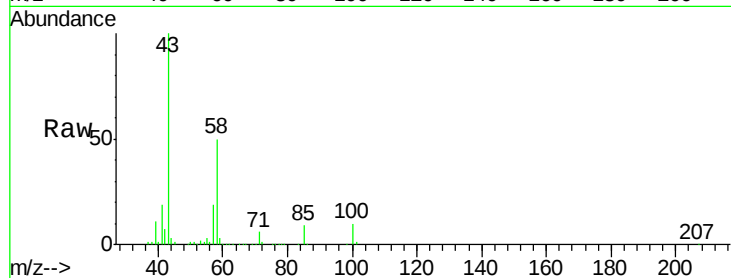
#59
2-Hexanone
Concen: 100.205 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	40.2	60.4
57	19.2	14.8	22.2

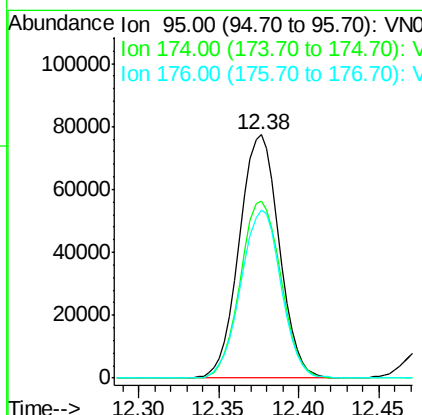
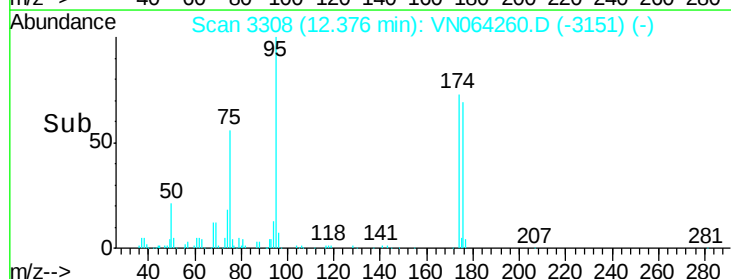
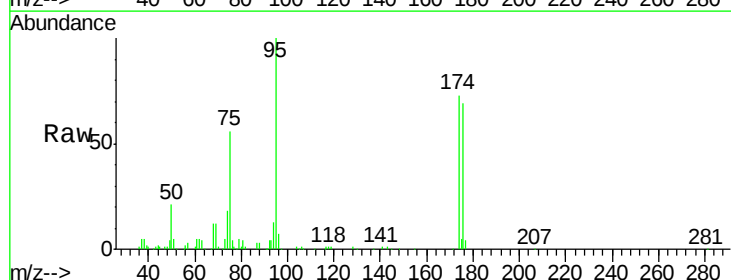
Manual Integrations
APPROVED

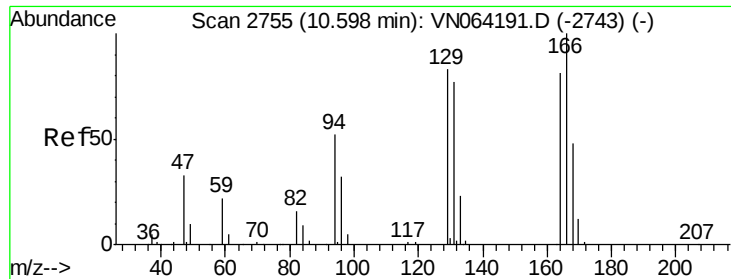
MMDadoda
10/23/2020 3:37:20 PM



#60
4-Bromofluorobenzene
Concen: 30.741 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	57.6	86.4
176	69.7	54.9	82.3





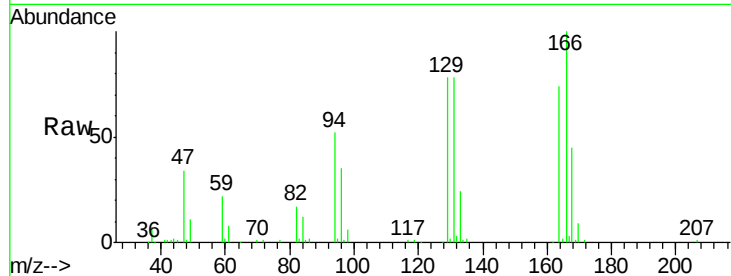
#61
Tetrachloroethene
Concen: 19.909 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	134.4	99.2	148.8
129	103.9	82.8	124.2
131	104.2	76.2	114.4

Manual Integrations
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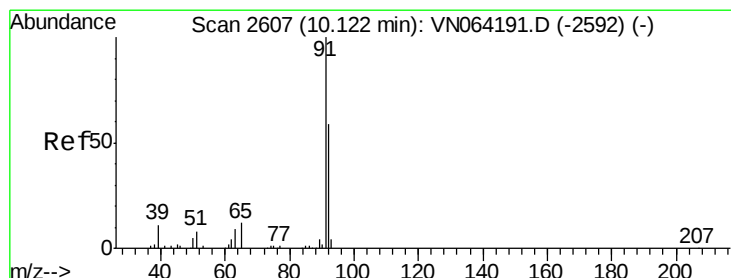
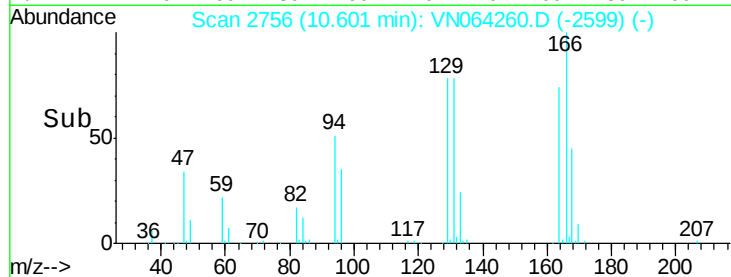
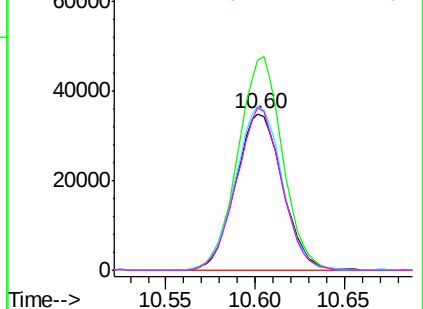


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

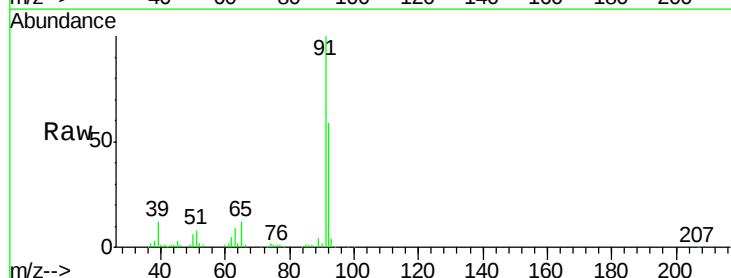
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



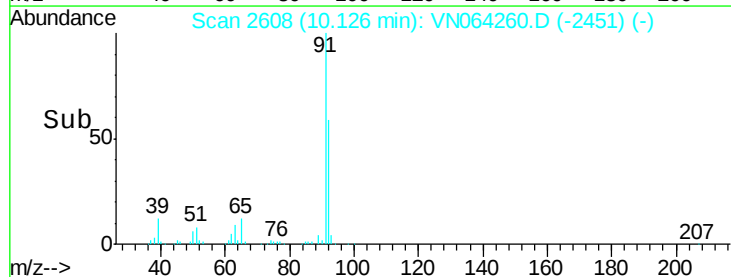
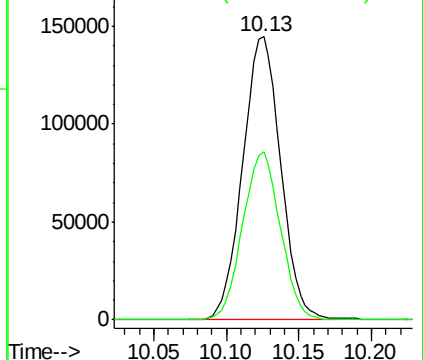
#62
Toluene
Concen: 19.365 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

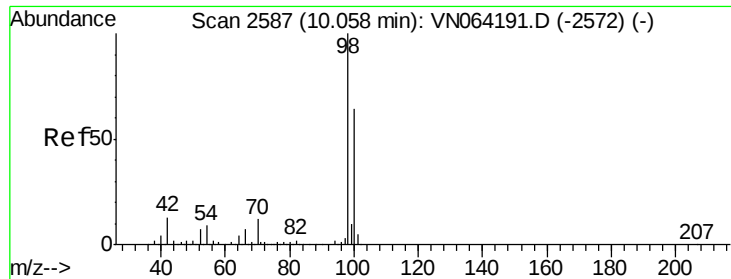
Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	46.8	70.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





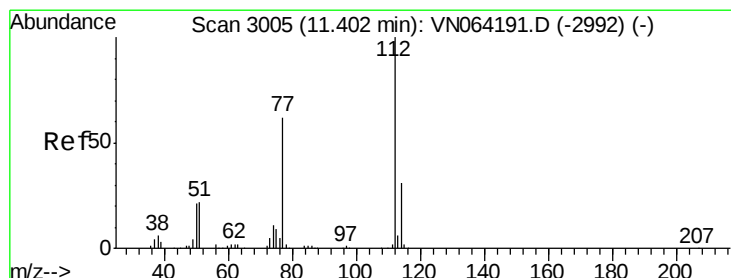
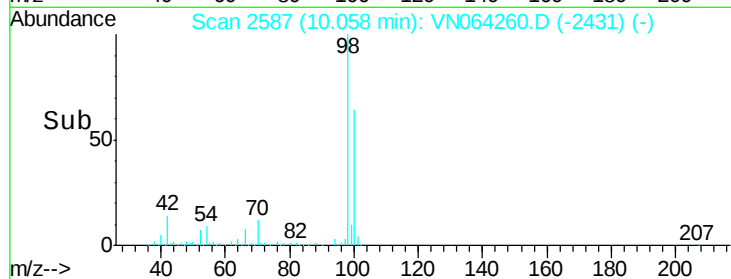
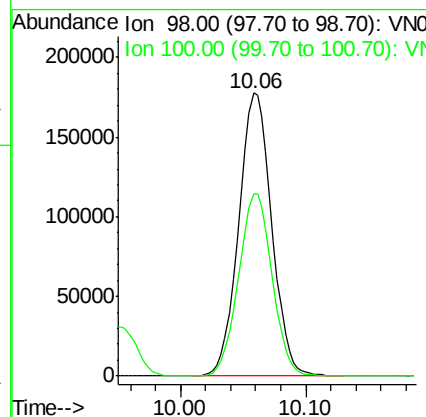
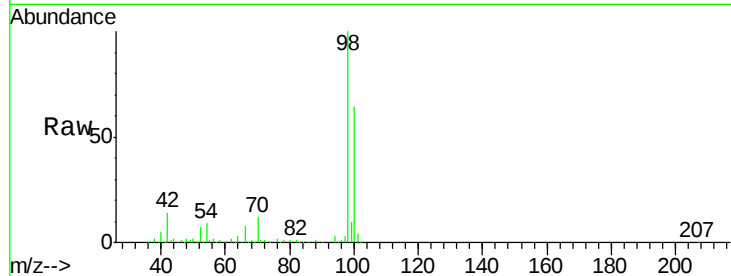
#63
Toluene-d8
Concen: 30.049 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion: 98 Resp: 324750
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2

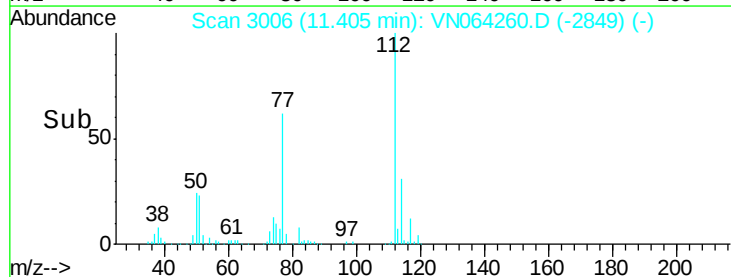
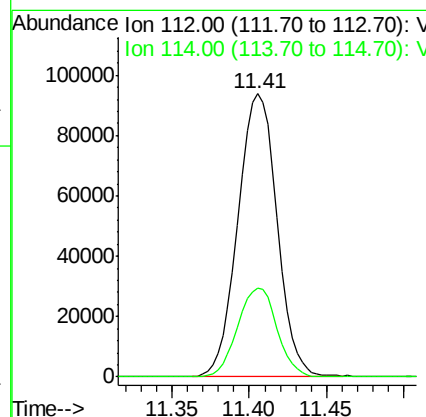
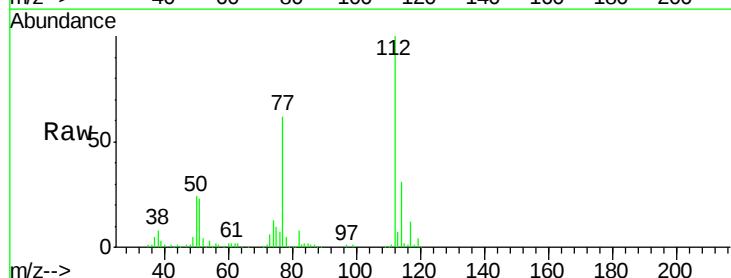
Manual Integrations
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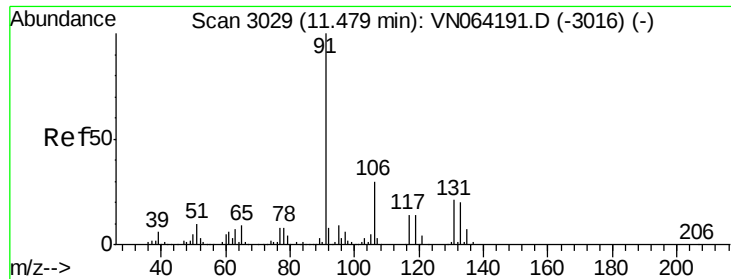
MMDadoda
10/23/2020 3:37:20 PM



#64
Chlorobenzene
Concen: 19.466 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion: 112 Resp: 165434
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.145 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

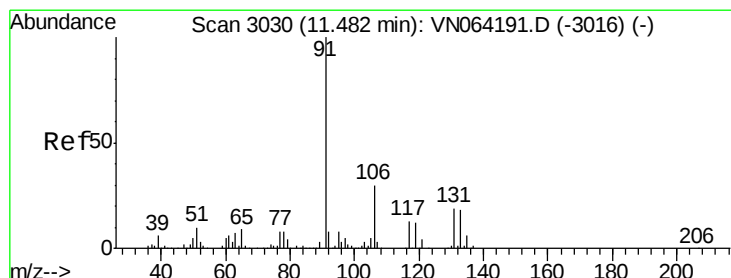
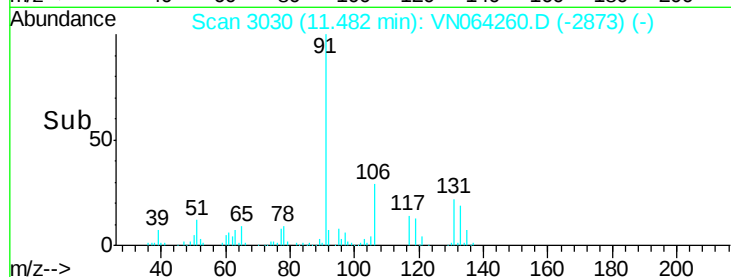
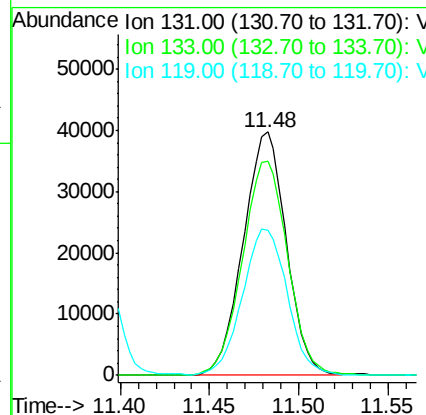
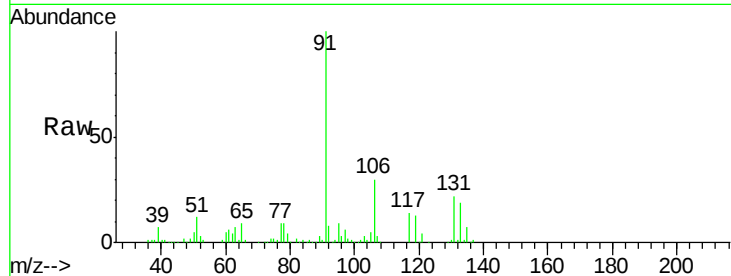
ClientSampleId :

VN1022WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.5	0.0	193.0
119	62.8	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.878 ug/l

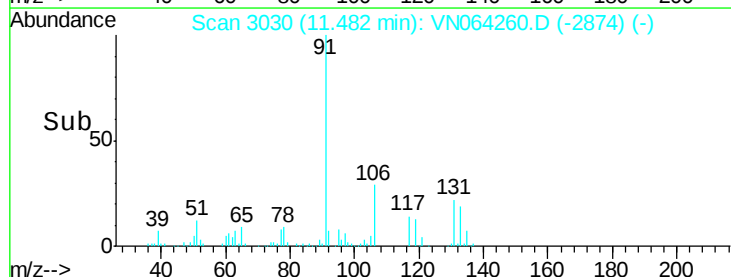
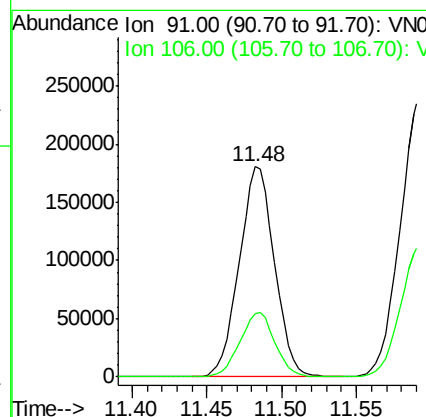
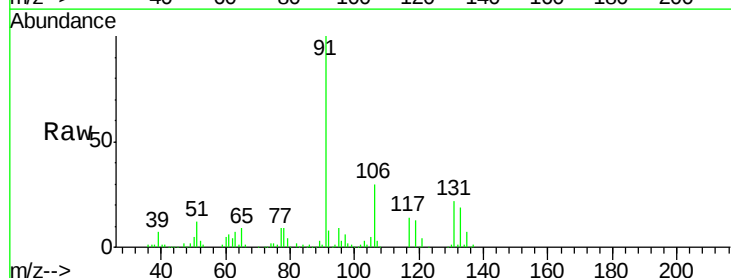
RT: 11.48 min Scan# 3030

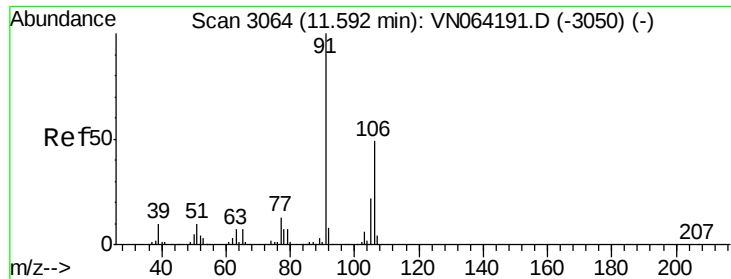
Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9





#67

m/p-Xvlenes

Concen: 37.910 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBS01

Tot Ion:106 Resp: 221212

Ion Ratio Lower Upper

106 100

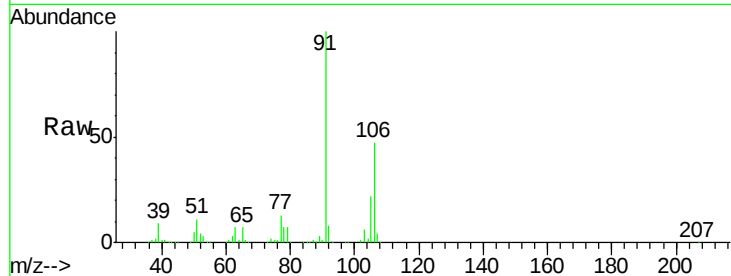
91 212.7 167.9 251.9

Manual Integrations

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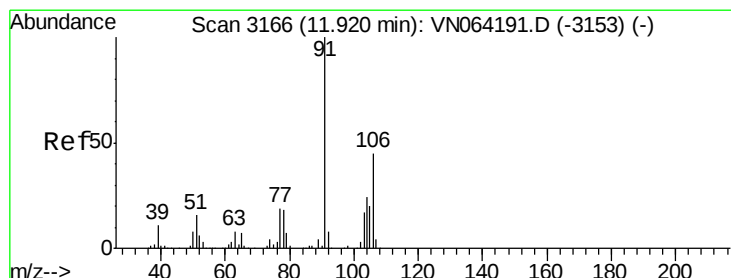
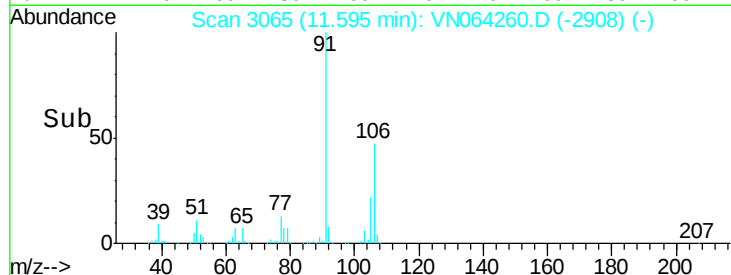
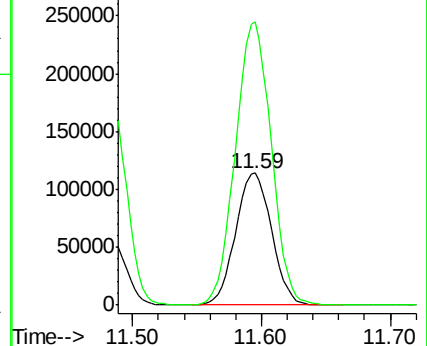
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.609 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064260.D

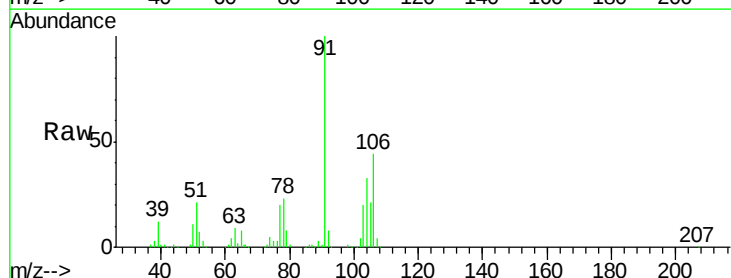
Acq: 22 Oct 2020 19:17

Tgt Ion:106 Resp: 105374

Ion Ratio Lower Upper

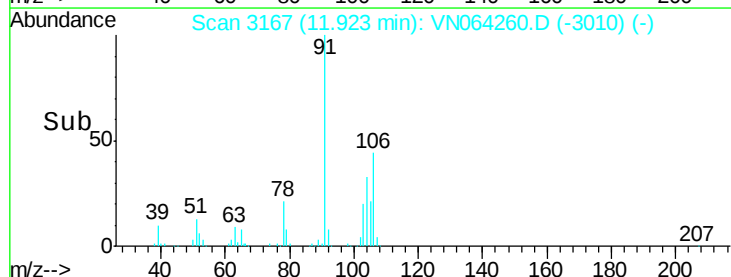
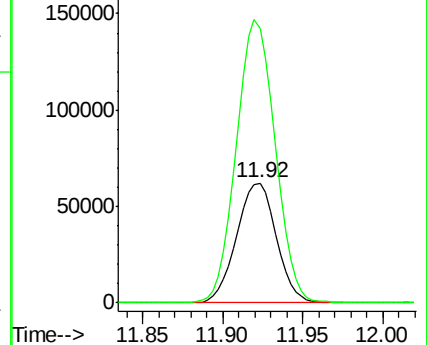
106 100

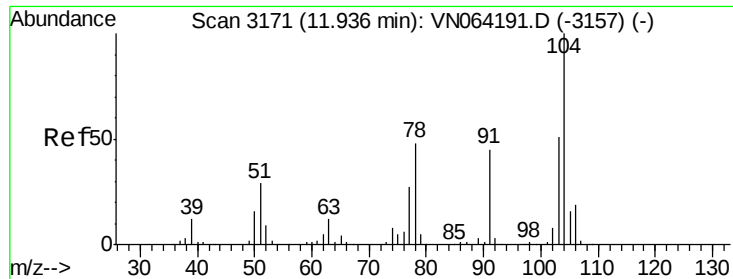
91 231.0 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





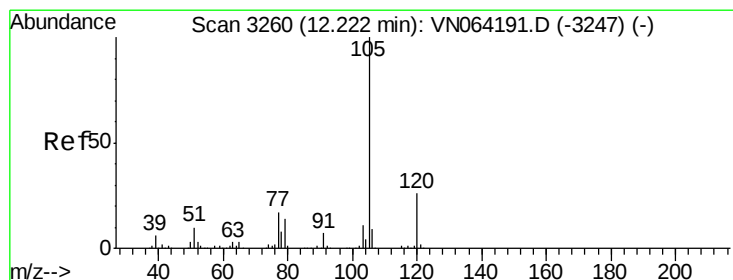
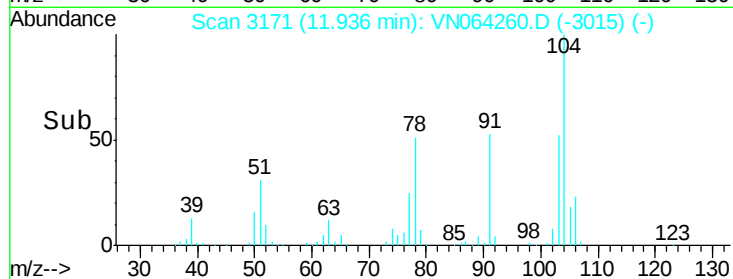
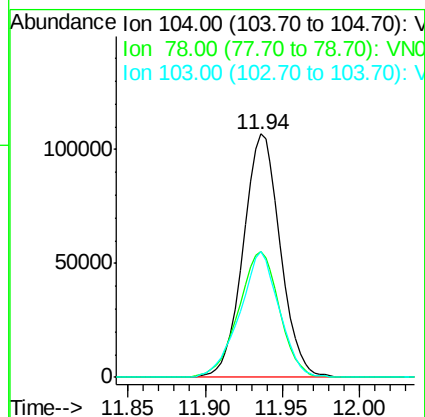
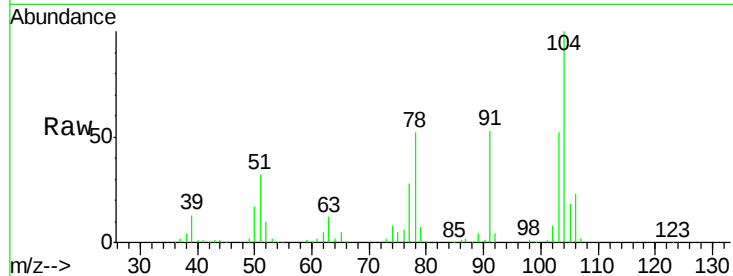
#69
Stvrene
Concen: 18.634 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.7	43.6	65.4
103	55.0	44.8	67.2

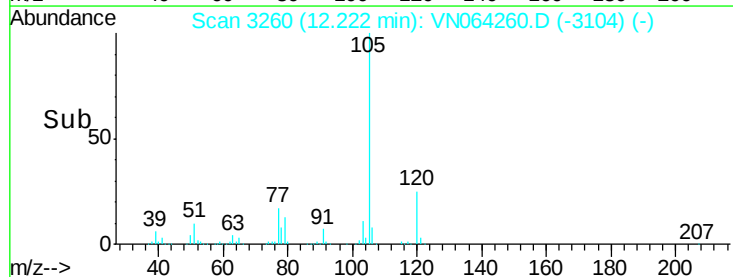
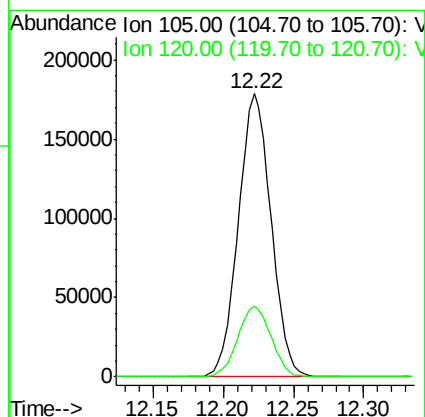
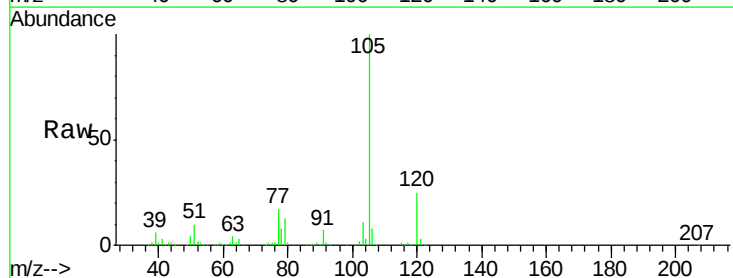
Manual Integrations
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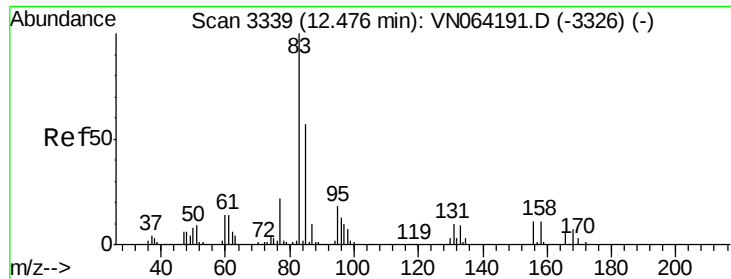
MMDadoda
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#70
Isopropylbenzene
Concen: 19.432 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 18.652 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

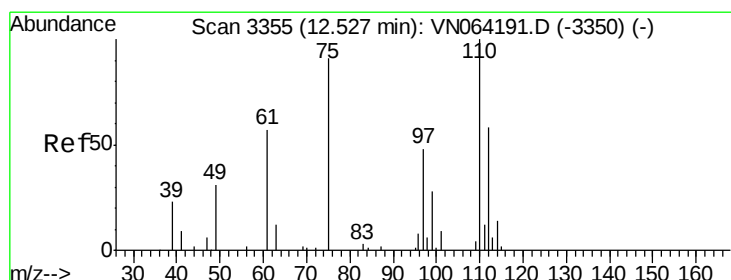
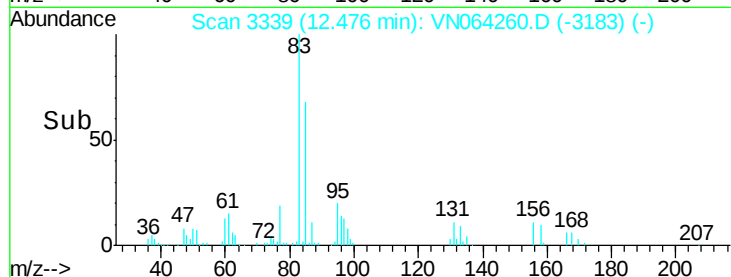
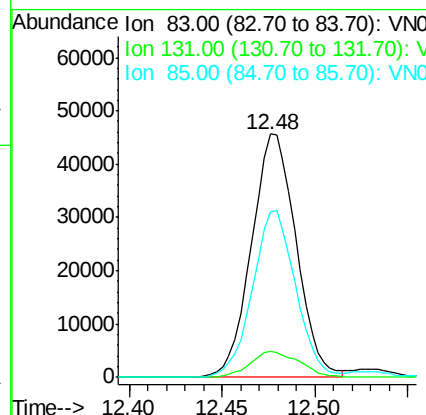
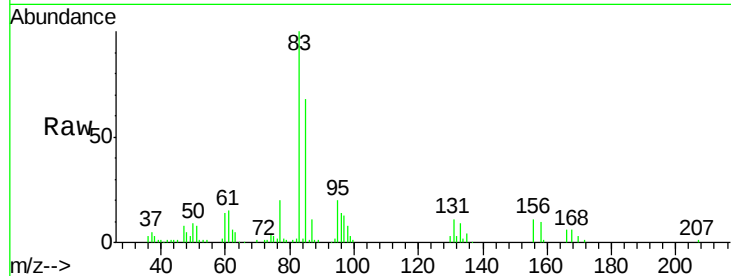
ClientSampleId :

VN1022WBS01

Tot Ion:	83	Resp:	76437
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.4
85	66.2	30.8	92.4

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#72

1,2,3-Trichloropropane

Concen: 18.471 ug/l m

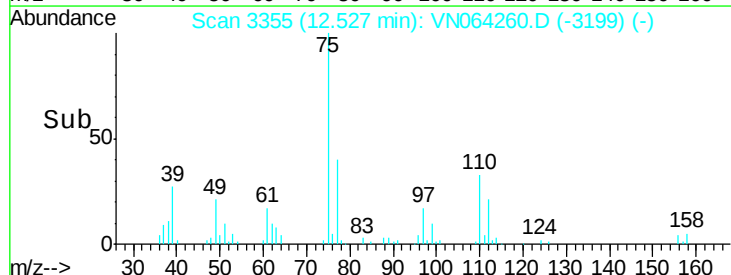
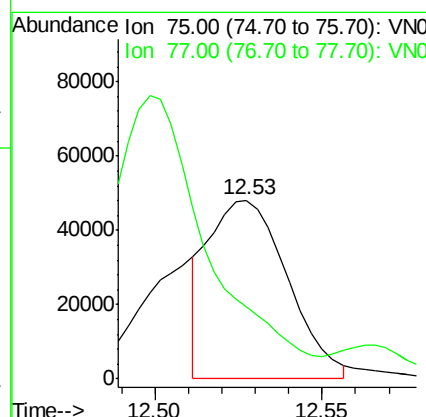
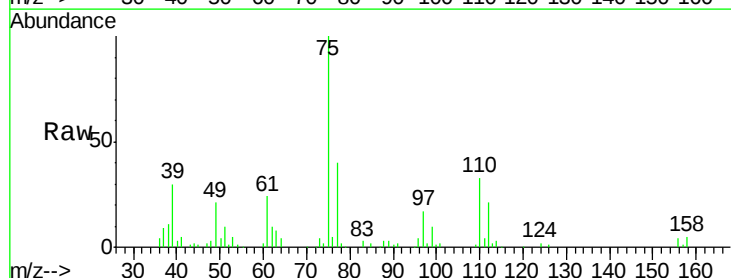
RT: 12.53 min Scan# 3355

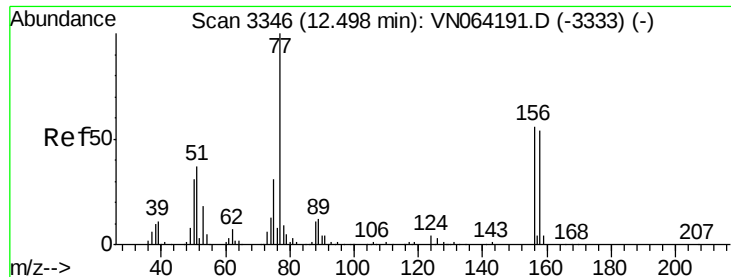
Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Tgt Ion:	75	Resp:	78992
Ion Ratio	Lower	Upper	
75	100		
77	198.6	0.0	417.6





#73

Bromobenzene

Concen: 19.202 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

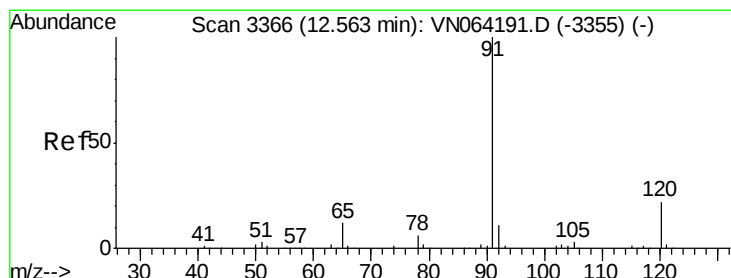
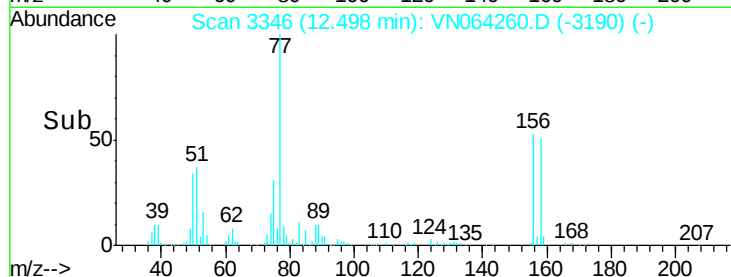
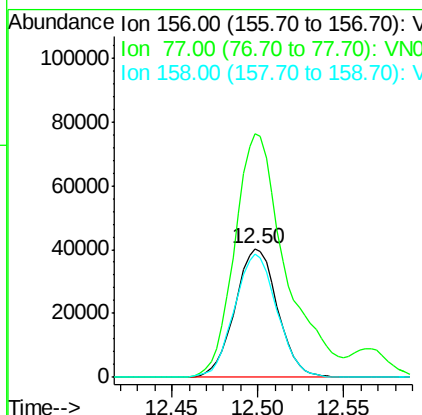
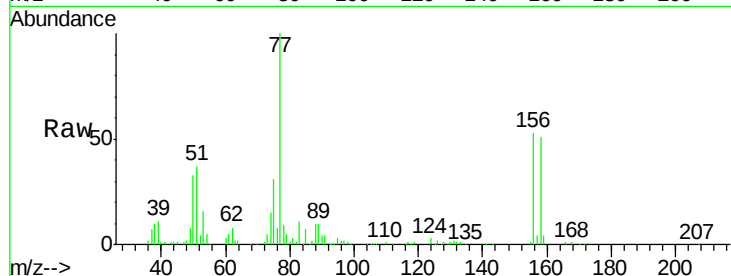
ClientSampleId :

VN1022WBS01

Tot Ion:	156	Resp:	69246
Ion Ratio	Lower	Upper	
156	100		
77	226.6	0.0	429.8
158	95.8	0.0	190.6

Manual Integrations
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#74

n-propylbenzene

Concen: 19.105 ug/l

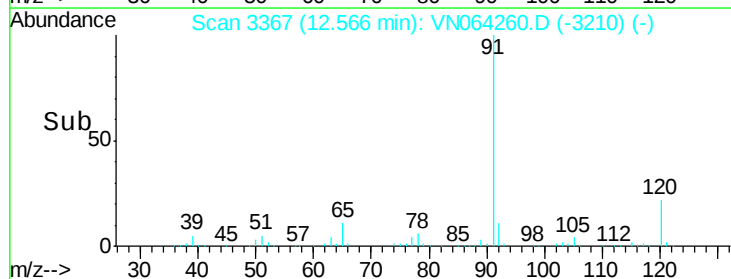
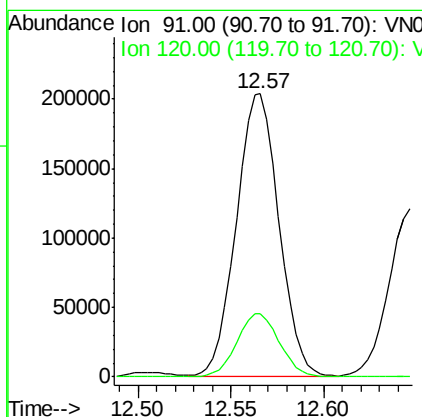
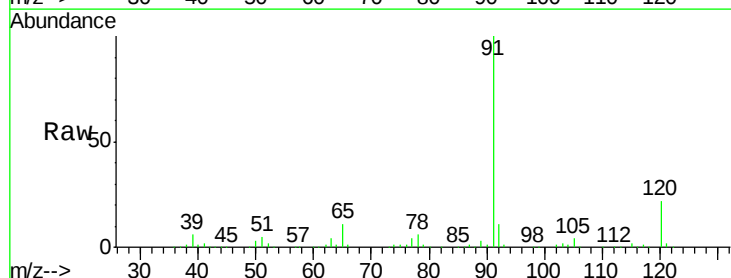
RT: 12.57 min Scan# 3367

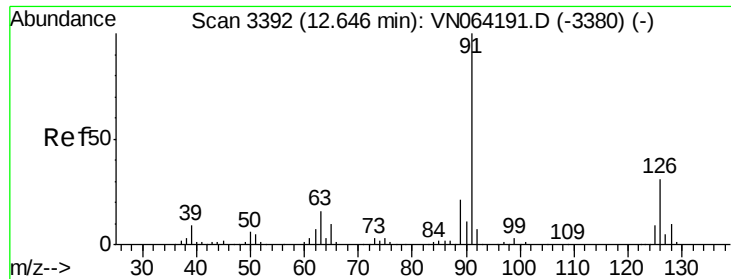
Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Tgt Ion:	91	Resp:	326088
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	43.8





#75

2-Chlorotoluene

Concen: 19.535 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN1022WBS01

Tot Ion: 91 Resp: 206410

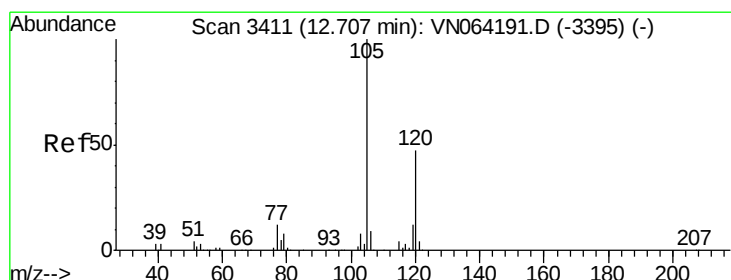
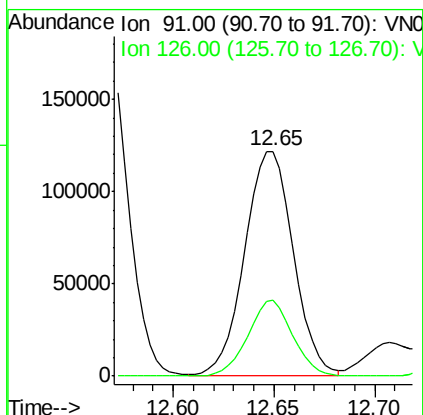
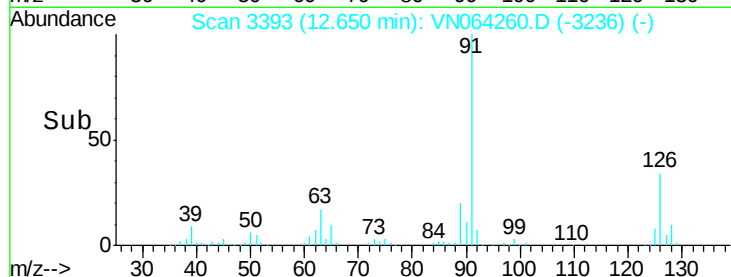
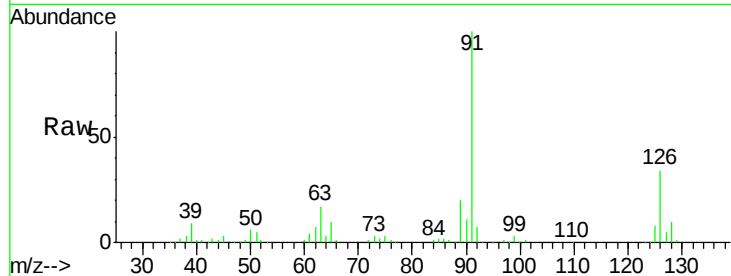
Ion Ratio Lower Upper

91 100

126 31.1 0.0 62.4

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#76

1,3,5-Trimethylbenzene

Concen: 18.950 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064260.D

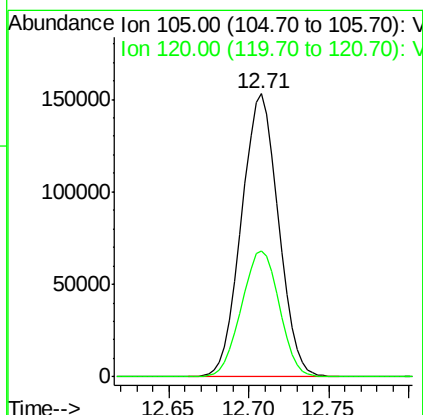
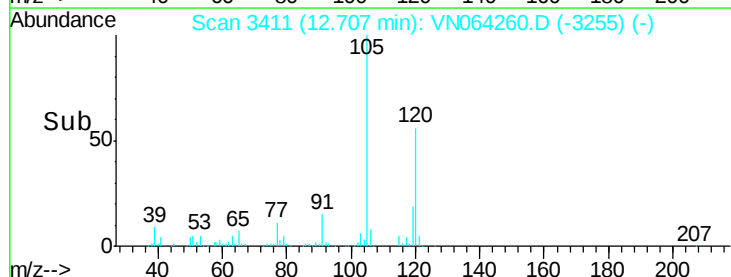
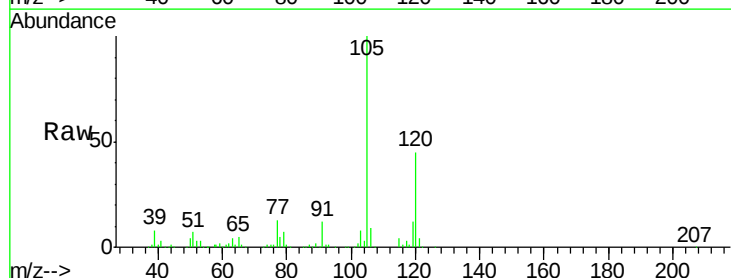
Acq: 22 Oct 2020 19:17

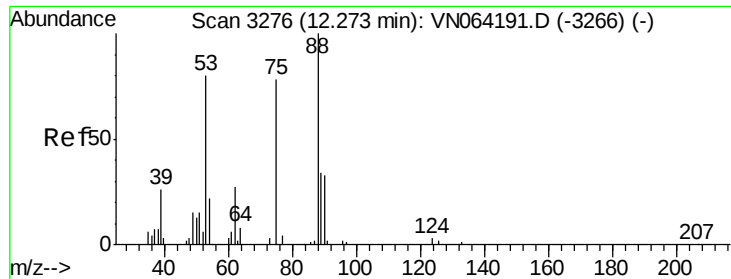
Tgt Ion: 105 Resp: 241148

Ion Ratio Lower Upper

105 100

120 45.7 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.519 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Instrument :

MSVOA_N

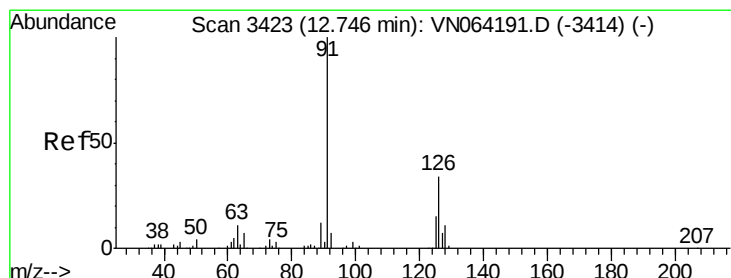
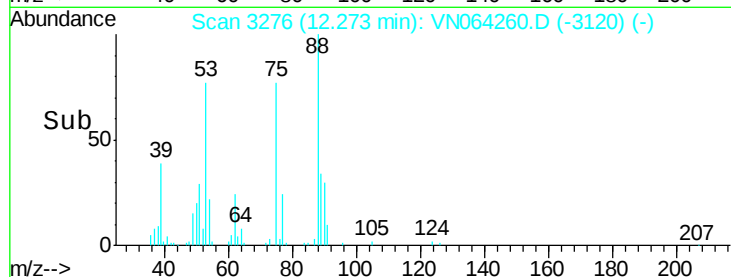
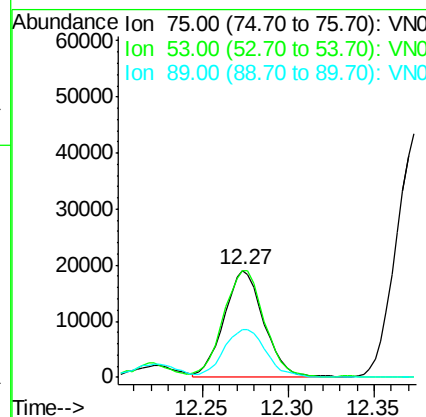
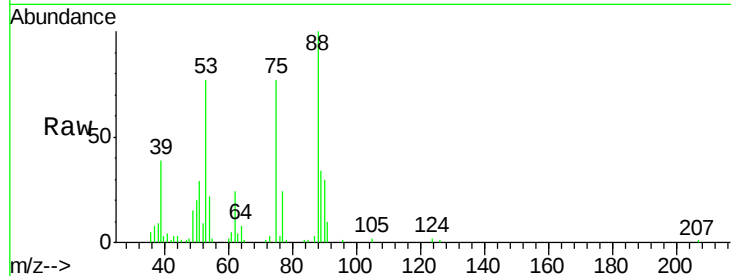
ClientSampleId :

VN1022WBS01

Tot Ion:	75	Resp:	30964
Ion	Ratio	Lower	Upper
75	100		
53	99.9	51.4	154.2
89	44.7	23.8	71.5

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#78

4-Chlorotoluene

Concen: 19.417 ug/l

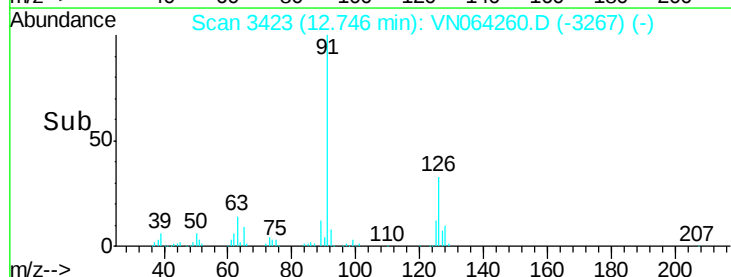
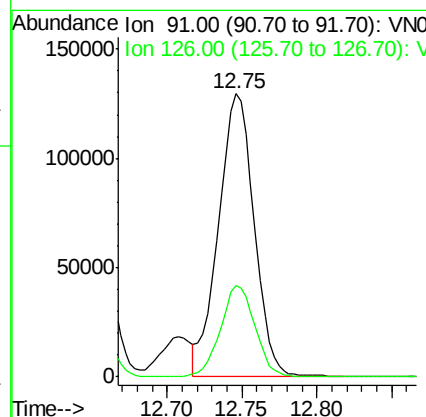
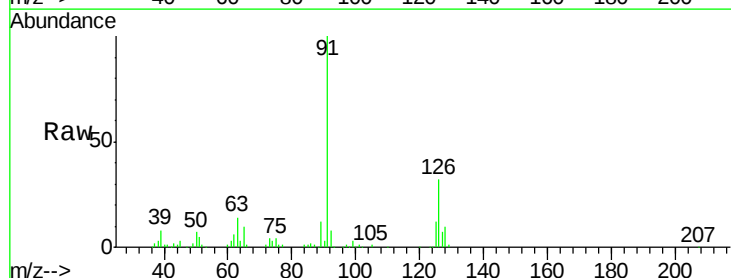
RT: 12.75 min Scan# 3423

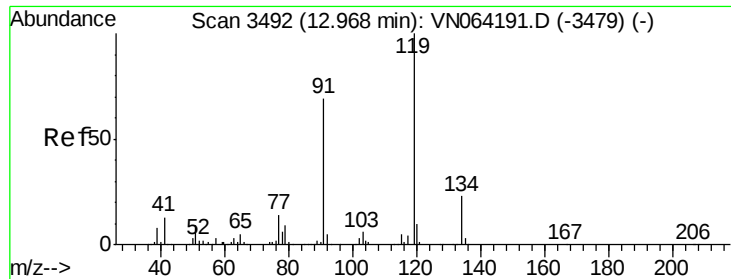
Delta R.T. 0.00 min

Lab File: VN064260.D

Acq: 22 Oct 2020 19:17

Tgt Ion:	91	Resp:	214604
Ion	Ratio	Lower	Upper
91	100		
126	31.3	0.0	63.2





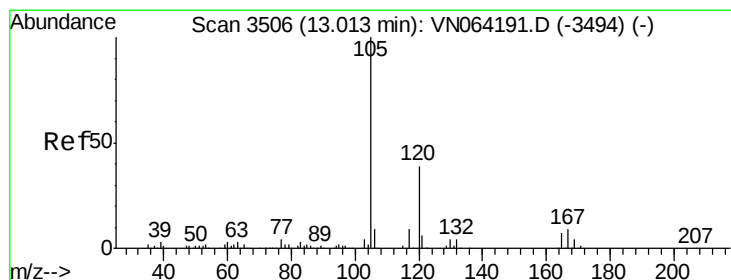
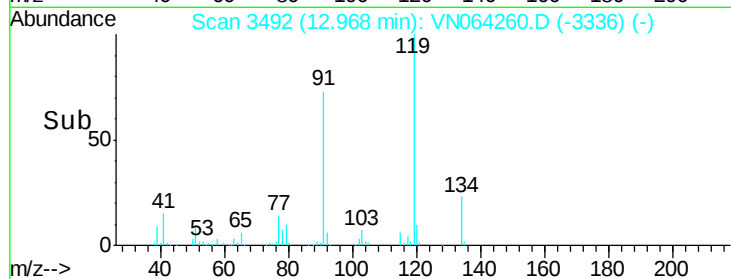
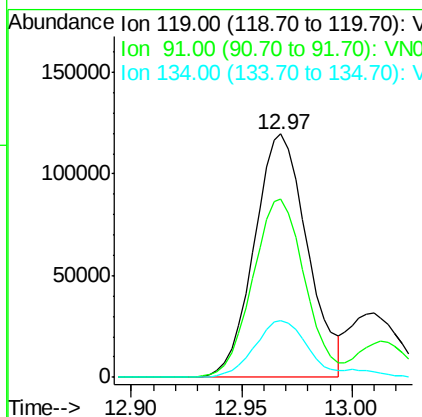
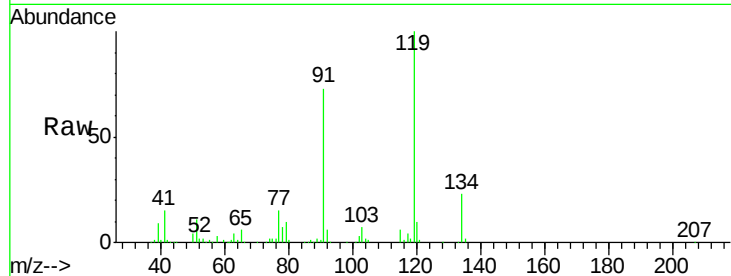
#79
tert-butylbenzene
Concen: 19.168 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	199414		
91	71.9	0.0	143.2	
134	22.9	0.0	49.2	

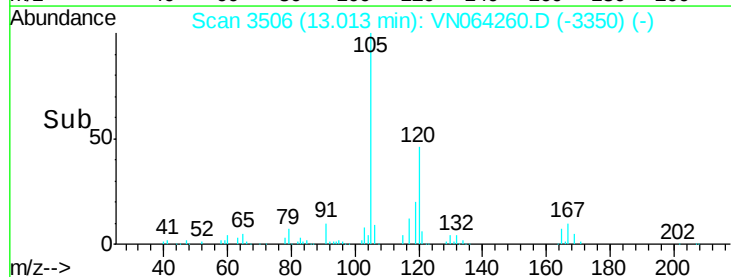
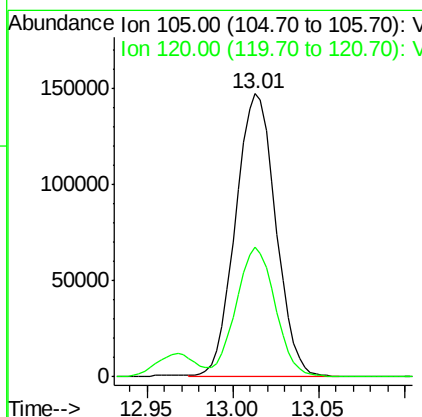
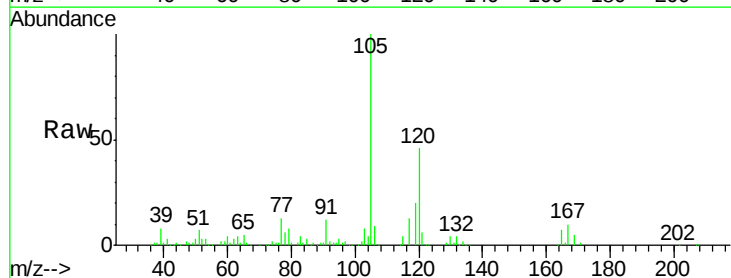
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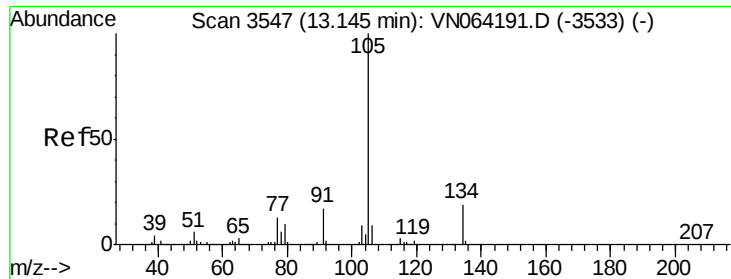
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.419 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237936		
120	45.2	0.0	85.8	





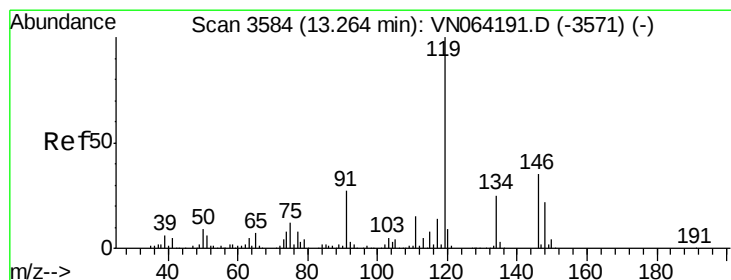
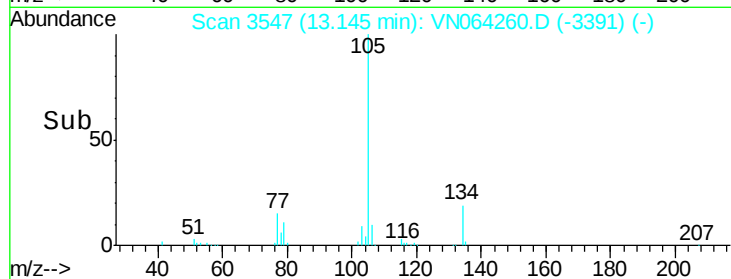
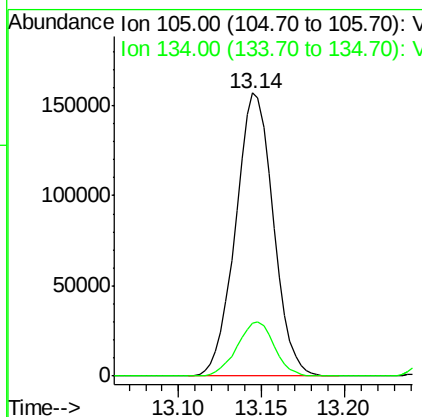
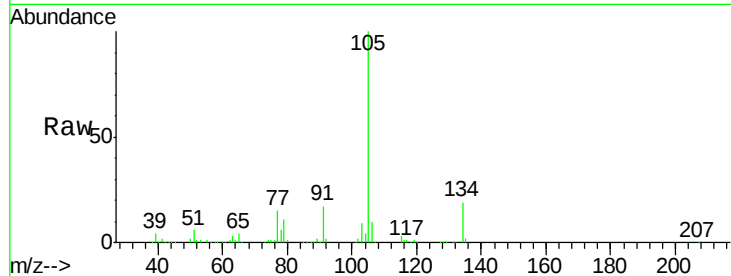
#81
 sec-Butylbenzene
 Concen: 18.351 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	248398		
134	19.0	0.0	38.4	

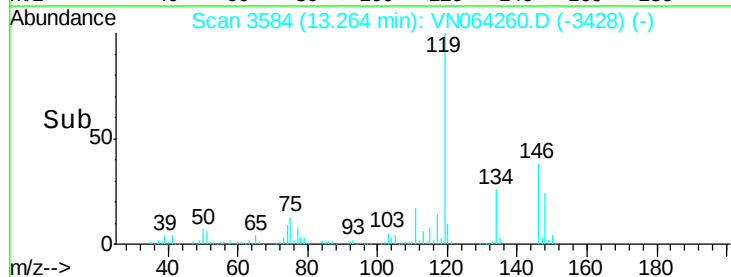
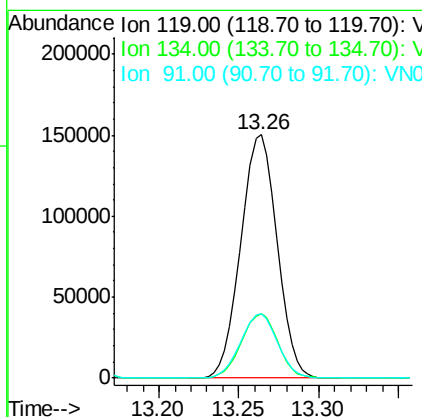
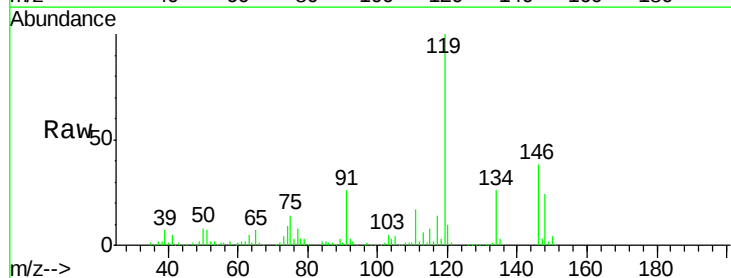
Manual Integrations
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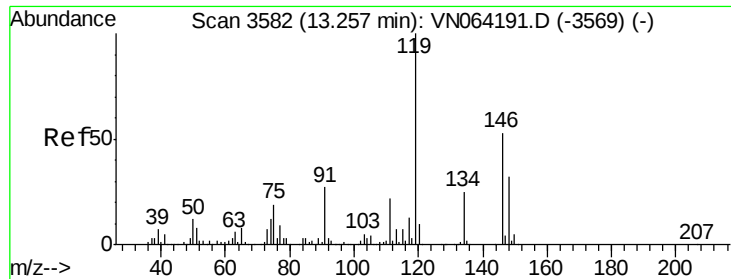
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#82
 p-Isopropyltoluene
 Concen: 18.574 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	232700		
134	26.6	0.0	51.4	
91	26.9	0.0	52.8	





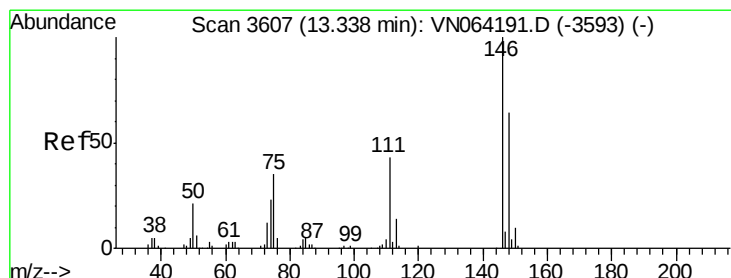
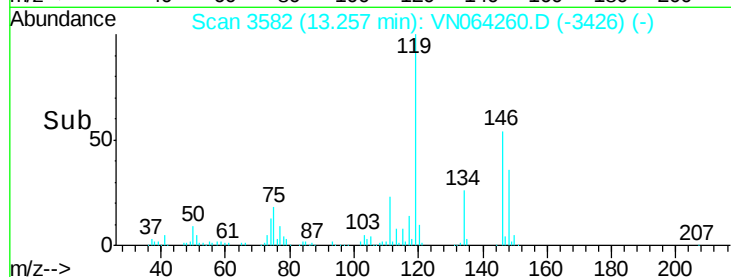
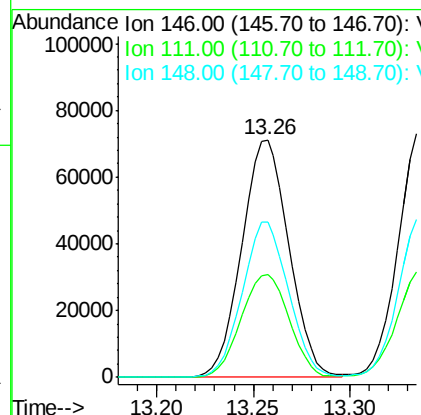
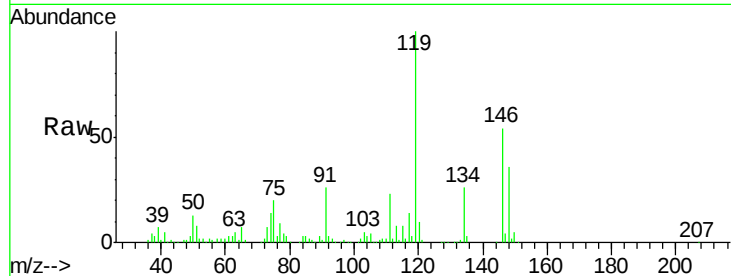
#83
 1,3-Dichlorobenzene
 Concen: 18.642 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.4
148	64.2	31.4	94.2

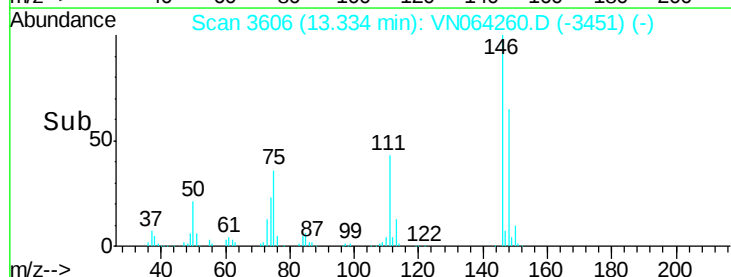
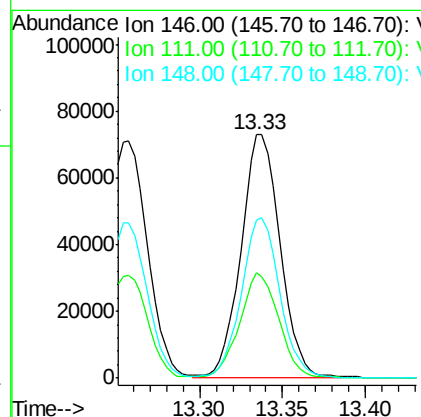
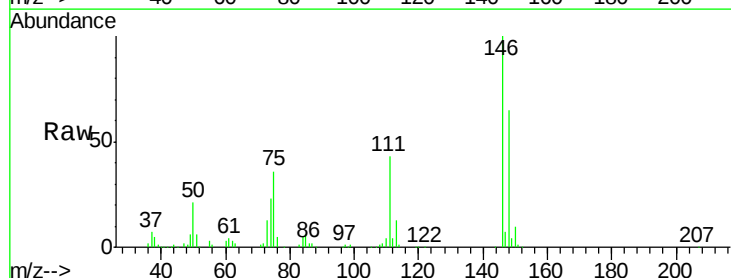
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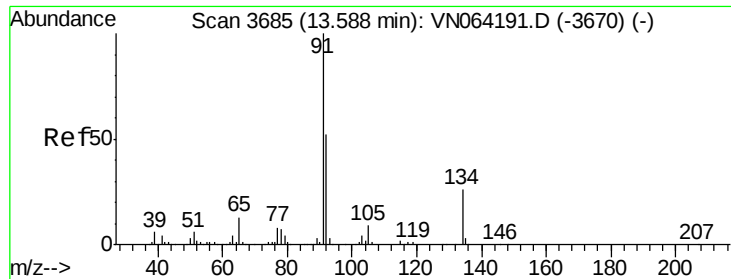
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#84
 1,4-Dichlorobenzene
 Concen: 18.546 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	20.9	62.8
148	64.4	30.9	92.7





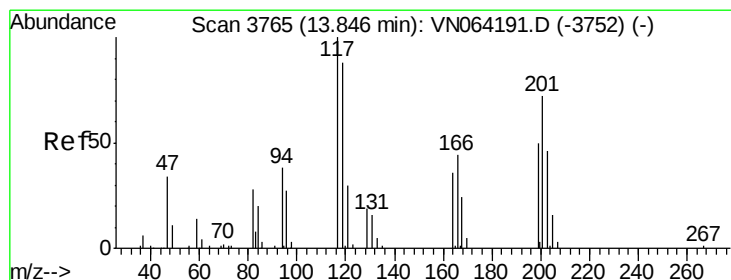
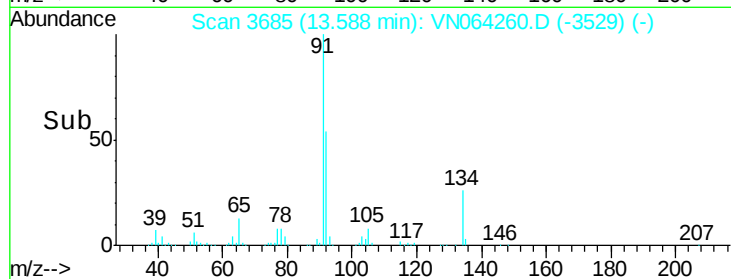
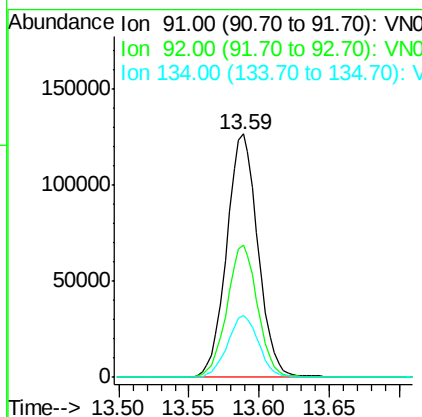
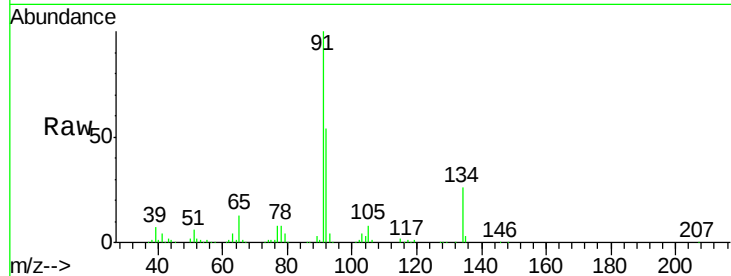
#85
n-Butylbenzene
Concen: 17.699 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	196835		
92	53.2	0.0	104.8	
134	25.3	0.0	49.8	

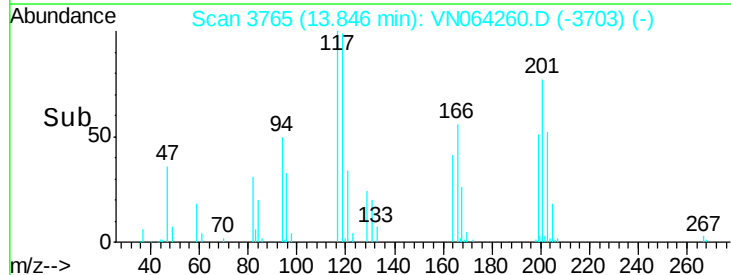
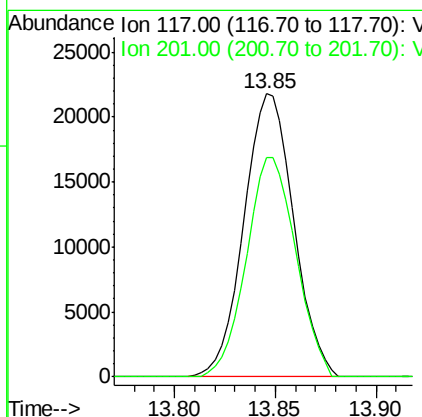
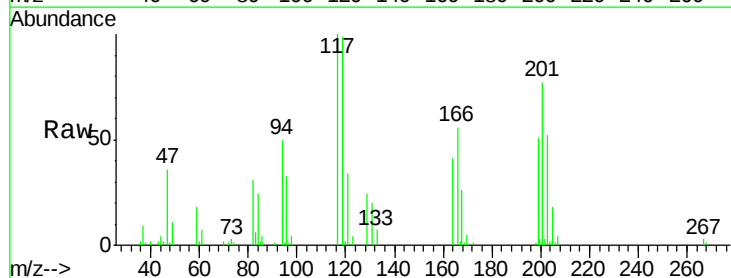
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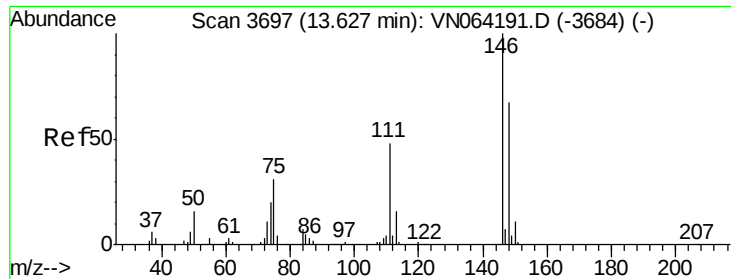
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#86
Hexachloroethane
Concen: 17.429 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37591		
201	76.9	37.5	112.3	





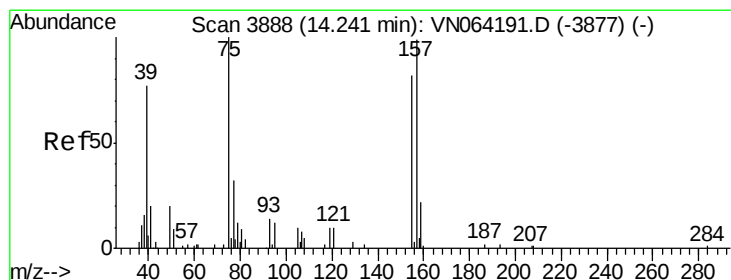
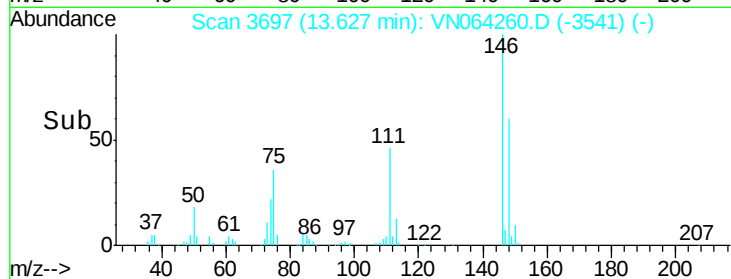
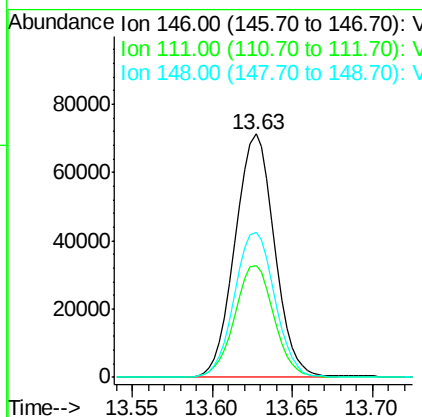
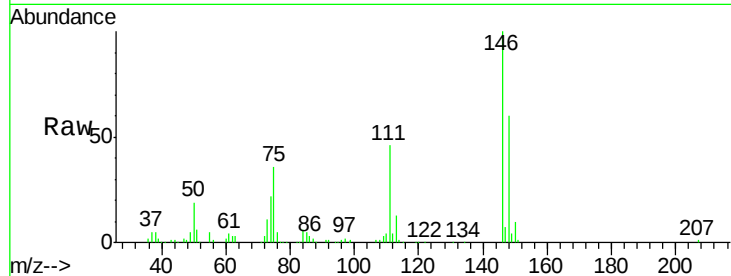
#87
 1,2-Dichlorobenzene
 Concen: 19.000 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.6	67.8
148	61.0	32.6	97.8

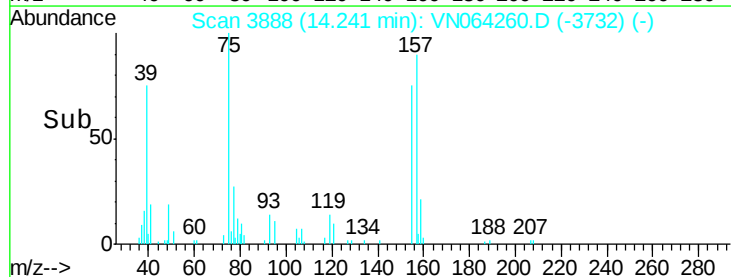
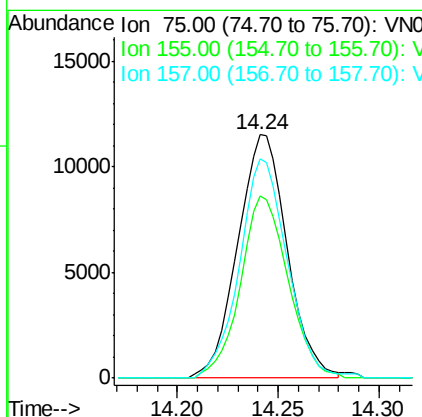
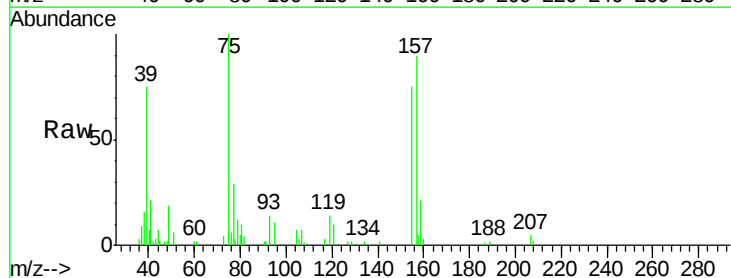
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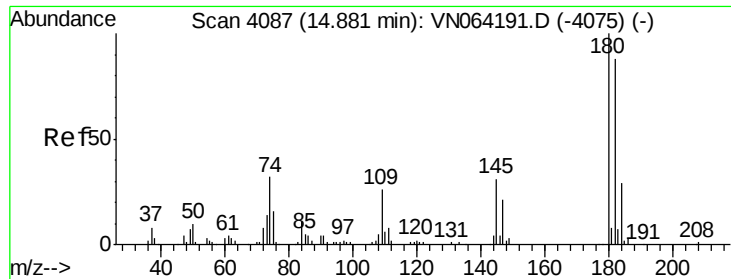
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.046 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	61.1	91.7
157	87.1	76.5	114.7





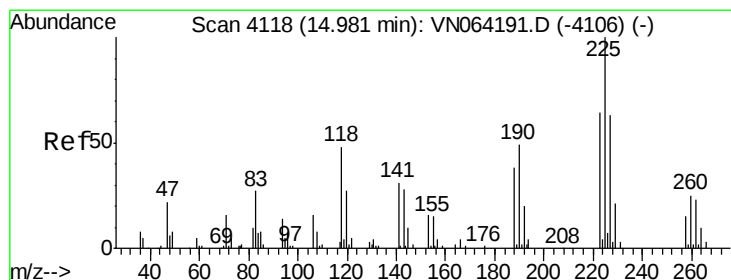
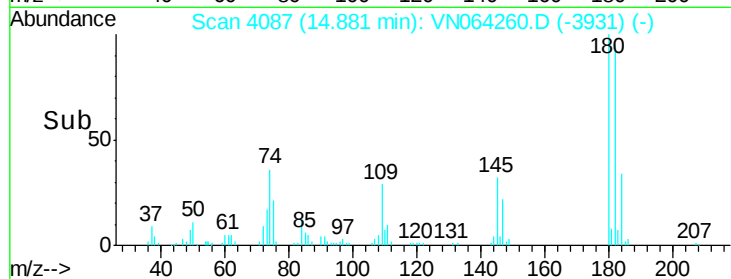
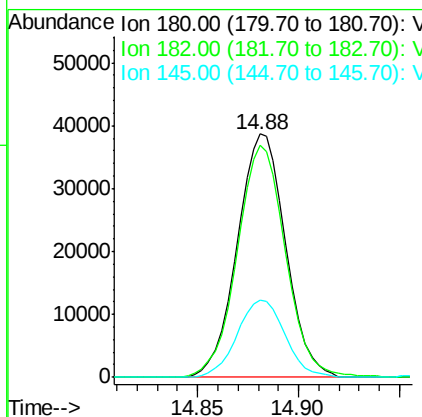
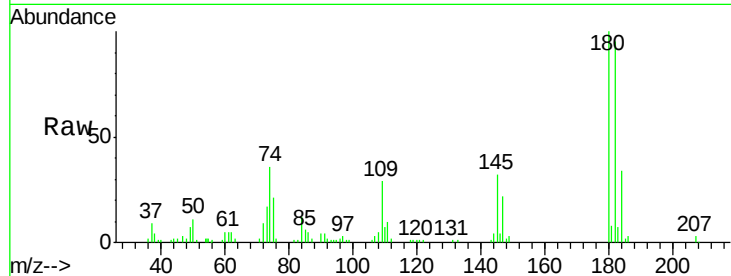
#89
 1,2,4-Trichlorobenzene
 Concen: 17.150 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	73.0	109.4
145	31.6	24.3	36.5

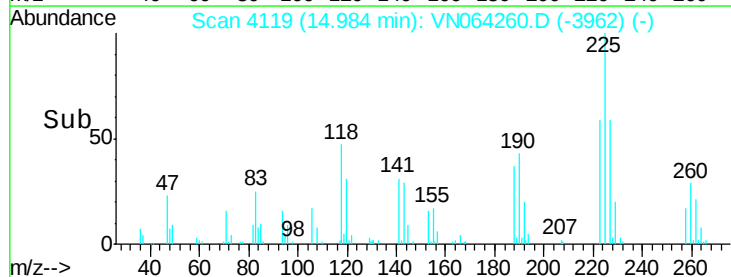
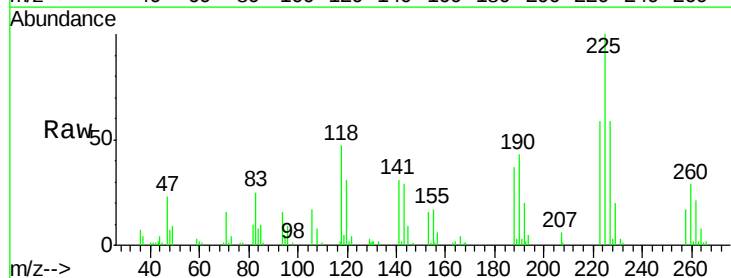
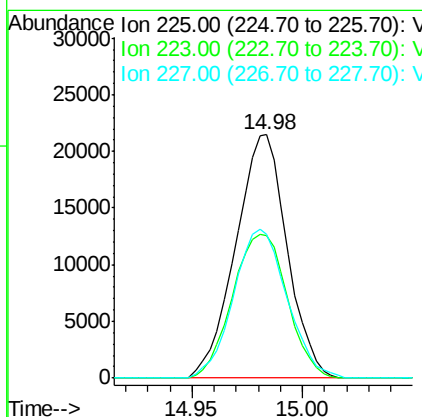
Manual Integrations
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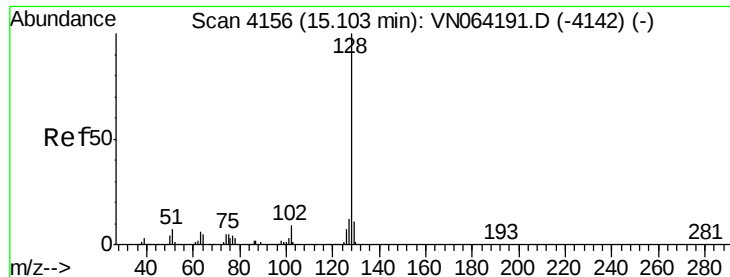
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 18.193 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064260.D
 Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	0.0	127.0
227	63.4	0.0	129.4





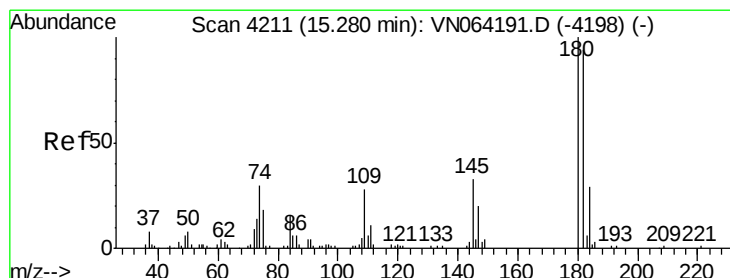
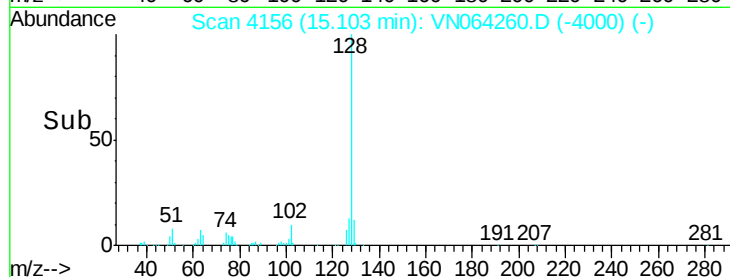
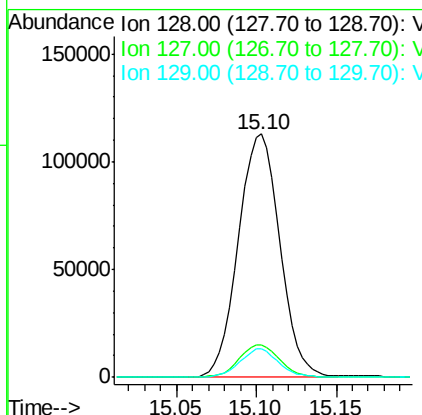
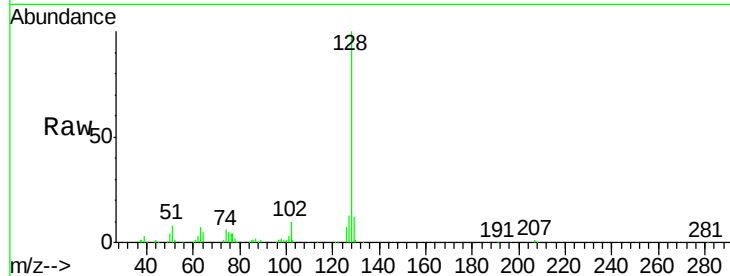
#91
Naphthalene
Concen: 17.486 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 3:37:20 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.264 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064260.D
Acq: 22 Oct 2020 19:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	0.0	190.0
145	32.9	0.0	66.6

