

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064199.D
 Acq On : 20 Oct 2020 16:43
 Operator : JC/MD
 Sample : VN1020WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:28:53 PM

Quant Time: Oct 21 05:01:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47795	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	281665	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	248390	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130574	33.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.23%
60) 4-Bromofluorobenzene	12.38	95	135666	30.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.60%
63) Toluene-d8	10.06	98	346214	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	68169	20.789 ug/l	92
3) Chloromethane	2.04	50	66564	19.809 ug/l	98
4) Vinyl Chloride	2.16	62	65436	19.793 ug/l	98
5) Bromomethane	2.54	94	42224	21.348 ug/l	94
6) Chloroethane	2.68	64	38428	19.957 ug/l	95
7) Trichlorofluoromethane	2.99	101	105083	19.800 ug/l	99
8) Diethyl Ether	3.38	74	34295	19.033 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52660	18.800 ug/l	100
10) 1,1-Dichloroethene	3.70	96	50449	18.498 ug/l	91
11) Methyl Iodide	3.91	142	71326	18.145 ug/l	98
12) Methyl Acetate	4.28	43	56774m	19.751 ug/l	
13) Acrolein	3.57	56	30639	97.483 ug/l #	34
14) Acrylonitrile	4.93	53	106944	92.325 ug/l	96
15) Acetone	3.77	58	28638	91.568 ug/l	92
16) Carbon Disulfide	4.01	76	146454	18.778 ug/l	98
17) Allyl chloride	4.28	41	91747	18.092 ug/l	96
18) Methylene Chloride	4.51	84	59212	18.983 ug/l	95
19) trans-1,2-Dichloroethene	4.99	96	53238	18.096 ug/l	98
20) Diisopropyl ether	5.90	45	177762	18.968 ug/l	97
21) 1,1-Dichloroethane	5.80	63	107602	18.807 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	65240	18.970 ug/l #	60
23) tert-Butyl Alcohol	4.73	59	53422	99.713 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	169455m	18.804 ug/l	
25) Chloroform	7.33	83	112933	18.998 ug/l	96
26) Cyclohexane	7.61	56	83115	18.322 ug/l #	87
29) 1,1-Dichloropropene	7.76	75	85359	18.248 ug/l	99
30) 2-Butanone	6.78	43	175120	90.785 ug/l	99
31) 2,2-Dichloropropane	6.78	77	103557	17.438 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	108793	18.254 ug/l	98
33) Carbon Tetrachloride	7.74	117	99449	18.303 ug/l	95
34) Benzene	8.00	78	233293	17.910 ug/l	99
35) Methacrylonitrile	7.13	41	36274	17.144 ug/l	94
36) 1,2-Dichloroethane	8.09	62	97168	18.444 ug/l	99
37) Trichloroethene	8.80	130	63931	17.826 ug/l	98
38) Methylcyclohexane	9.05	83	75945	16.976 ug/l	97
39) 1,2-Dichloropropane	9.09	63	62423	17.958 ug/l	100
40) Dibromomethane	9.17	93	43065	17.806 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	94155	17.988	ug/l	99
42) Vinyl Acetate	5.84	43	830870	90.730	ug/l	99
43) Ethyl Acetate	6.88	43	81611	19.372	ug/l #	85
44) Isopropyl Acetate	8.13	43	152415	18.845	ug/l #	87
45) 1,4-Dioxane	9.16	88	16779	354.708	ug/l	98
46) Methyl methacrylate	9.16	41	69831	18.196	ug/l	97
47) n-amyl Acetate	12.05	43	123149	17.163	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	104729	17.741	ug/l	92
49) cis-1,3-Dichloropropene	9.81	75	109539	17.959	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	58554	18.071	ug/l	96
51) Ethyl methacrylate	10.40	69	88739	17.319	ug/l	96
52) 1,3-Dichloropropane	10.68	76	98375	17.610	ug/l	99
53) Dibromochloromethane	10.87	129	70625	17.318	ug/l	100
54) 1,2-Dibromoethane	10.98	107	62253	18.075	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	235871	93.666	ug/l	100
56) Bromoform	12.10	173	47186	16.614	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	392922	93.350	ug/l	99
59) 2-Hexanone	10.72	43	281259	90.008	ug/l	100
61) Tetrachloroethene	10.60	164	60040	17.930	ug/l	98
62) Toluene	10.13	91	253367	17.842	ug/l	100
64) Chlorobenzene	11.41	112	158194	17.889	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	61323	17.699	ug/l	98
66) Ethyl Benzene	11.48	91	290591	17.799	ug/l	95
67) m/p-Xylenes	11.59	106	218254	35.946	ug/l	99
68) o-Xylene	11.92	106	106166	18.019	ug/l	94
69) Styrene	11.94	104	177130	17.770	ug/l	99
70) Isopropylbenzene	12.22	105	283761	18.236	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	76448	17.928	ug/l	97
72) 1,2,3-Trichloropropane	12.52	75	76722m	17.241	ug/l	
73) Bromobenzene	12.50	156	66471	17.714	ug/l	97
74) n-propylbenzene	12.57	91	317269	17.864	ug/l	99
75) 2-Chlorotoluene	12.65	91	199756	18.169	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	240111	18.134	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	30613	17.596	ug/l	98
78) 4-Chlorotoluene	12.75	91	203988	17.738	ug/l	100
79) tert-butylbenzene	12.97	119	197000	18.198	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	240644	17.903	ug/l	100
81) sec-Butylbenzene	13.14	105	245054	17.399	ug/l	99
82) p-Isopropyltoluene	13.26	119	226783	17.397	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	118594	17.632	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	117480	17.446	ug/l	97
85) n-Butylbenzene	13.59	91	200061	17.288	ug/l	100
86) Hexachloroethane	13.85	117	38842	17.308	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	114362	17.435	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19315	17.884	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	66465	16.874	ug/l	98
90) Hexachlorobutadiene	14.98	225	33930	16.994	ug/l	97
91) Naphthalene	15.10	128	205175	17.184	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	63834	16.945	ug/l	96

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ClientSampleId :
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QLast Update : Tue Oct 20 11:51:57 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

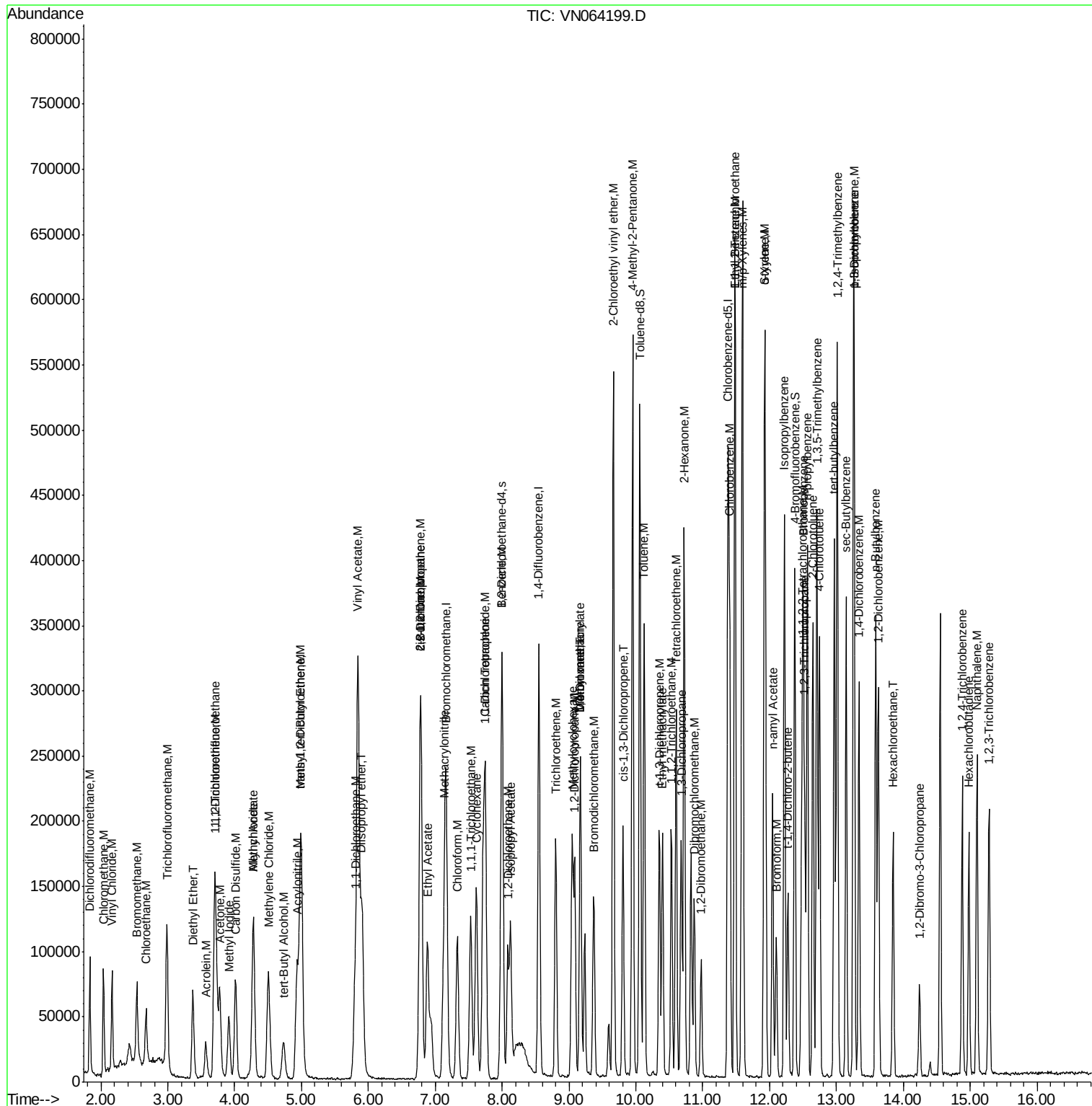
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
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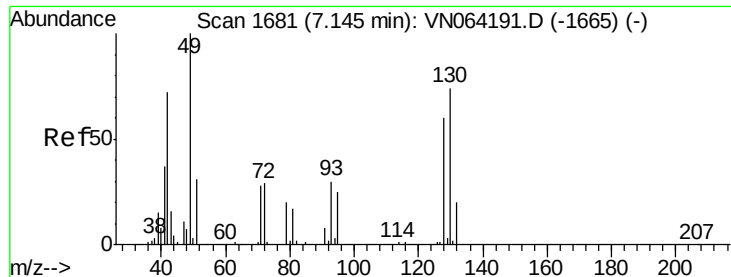
Instrument :
MSVOA_N
ClientSampleId :
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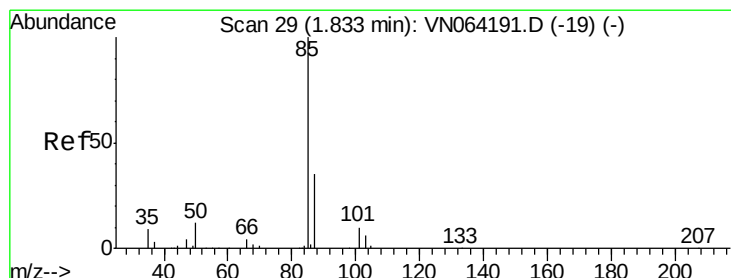
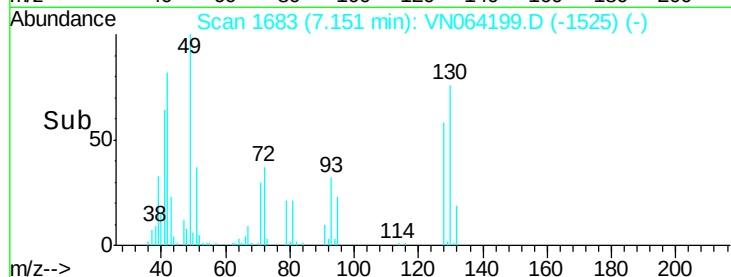
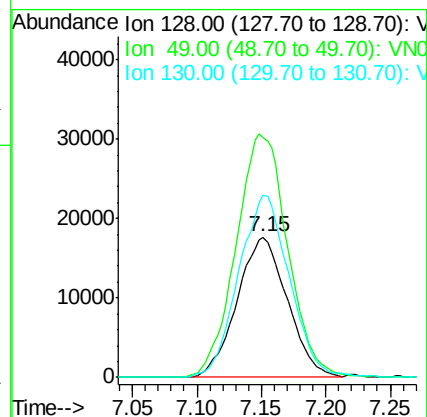
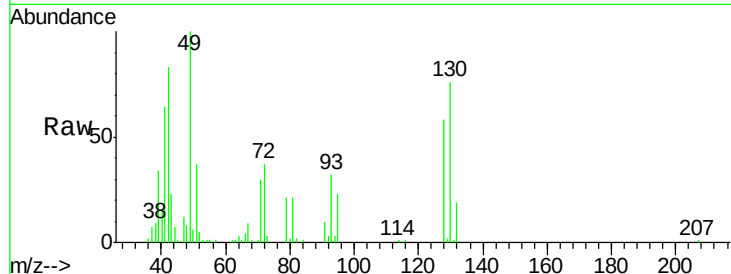
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	178.0	0.0	433.3
130	130.7	0.0	322.5

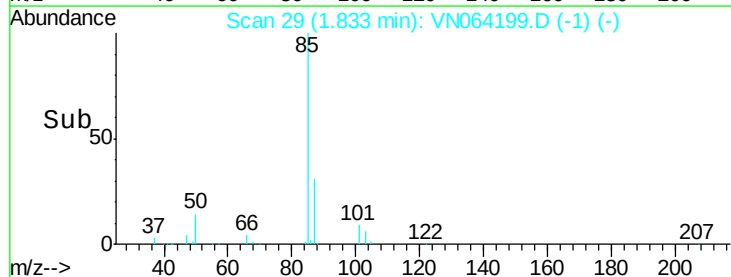
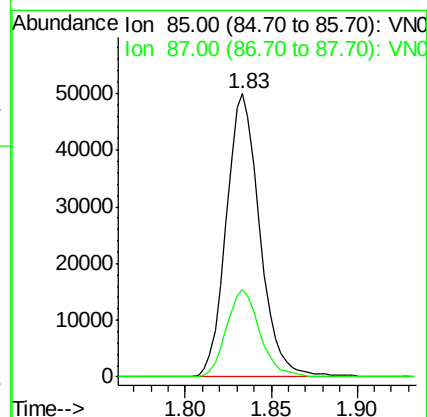
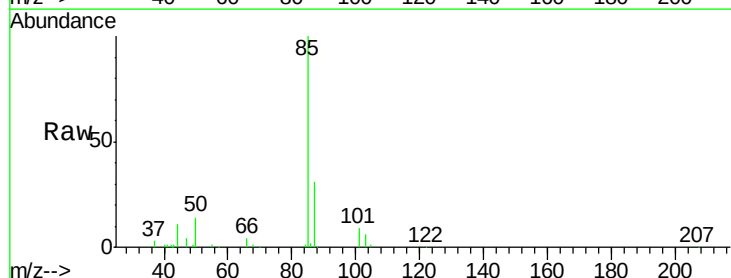
Manual Integrations
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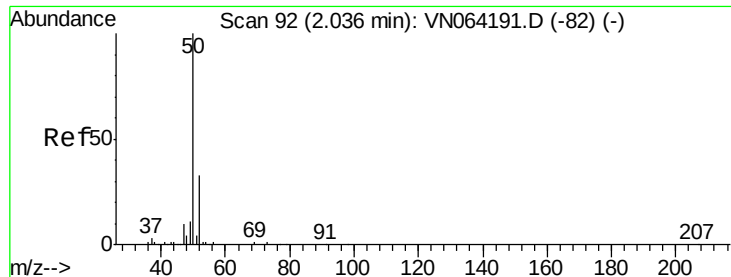
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#2
Dichlorodifluoromethane
Concen: 20.789 ug/l
RT: 1.83 min Scan# 29
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.8	17.8	53.3





#3

Chloromethane

Concen: 19.809 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBS01

Tot Ion: 50 Resp: 66564

Ion Ratio Lower Upper

50 100

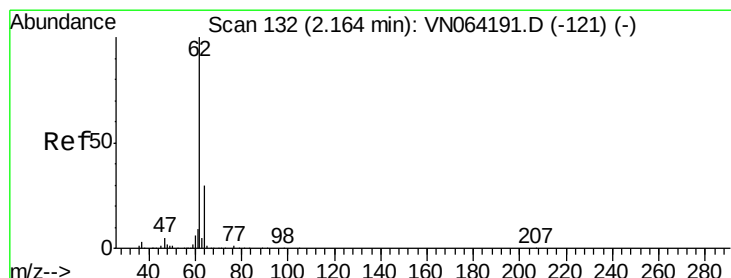
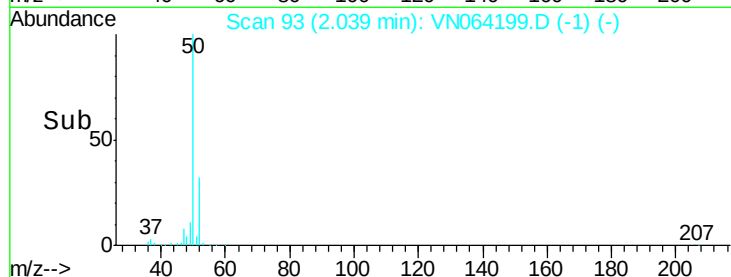
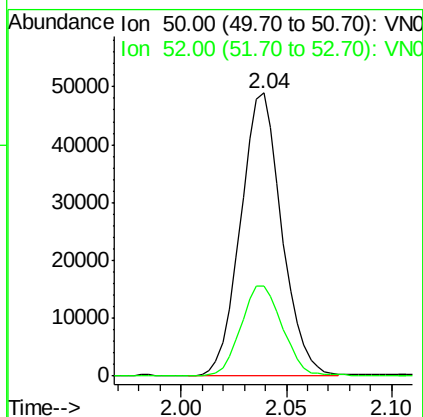
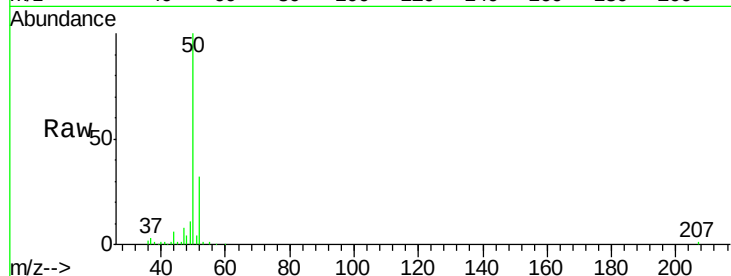
52 31.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.793 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064199.D

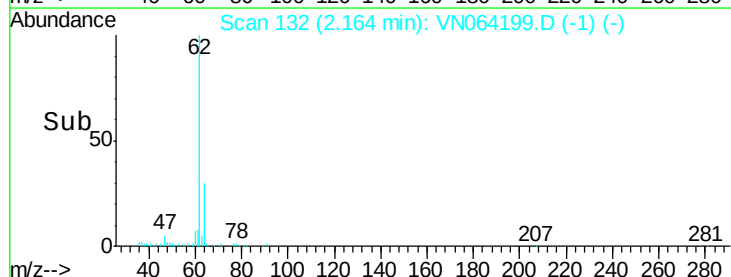
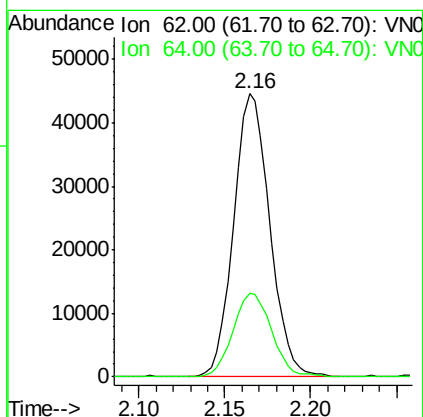
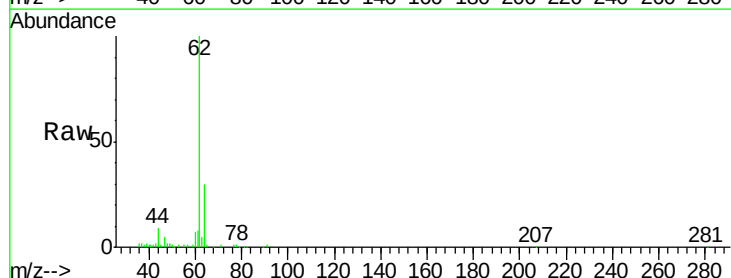
Acq: 20 Oct 2020 16:43

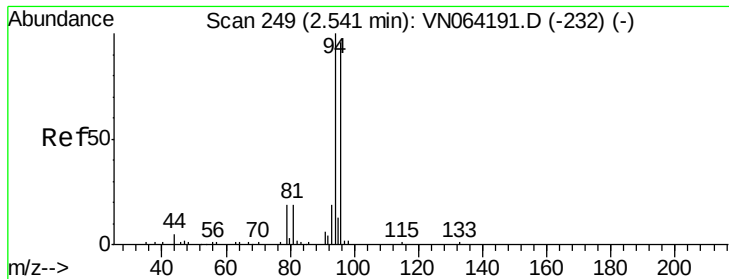
Tgt Ion: 62 Resp: 65436

Ion Ratio Lower Upper

62 100

64 29.5 24.4 36.6





#5

Bromomethane

Concen: 21.348 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBS01

Tot Ion: 94 Resp: 42224

Ion Ratio Lower Upper

94 100

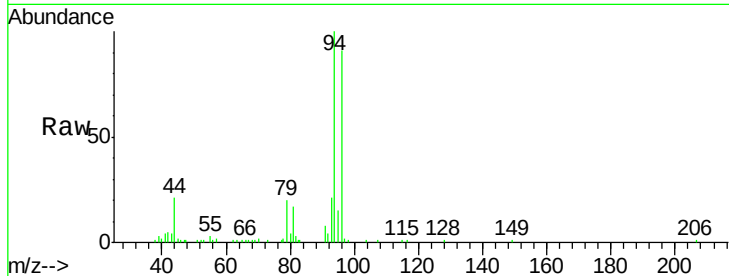
96 90.2 76.6 115.0

Manual Integrations

APPROVED

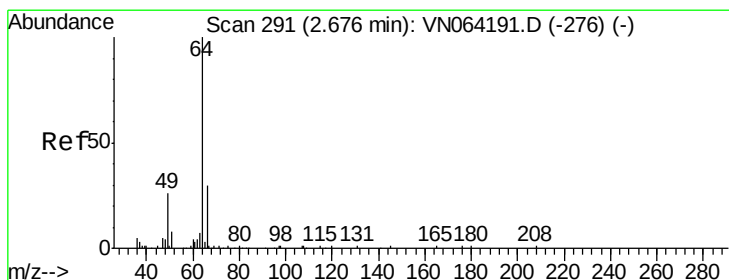
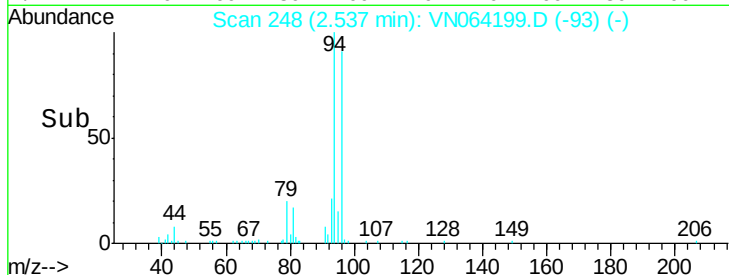
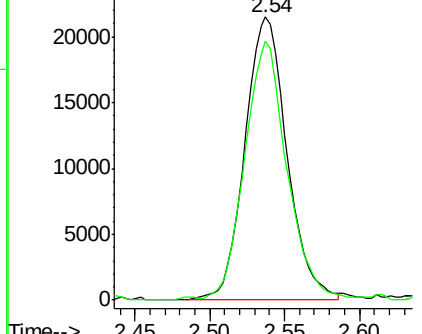
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.957 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064199.D

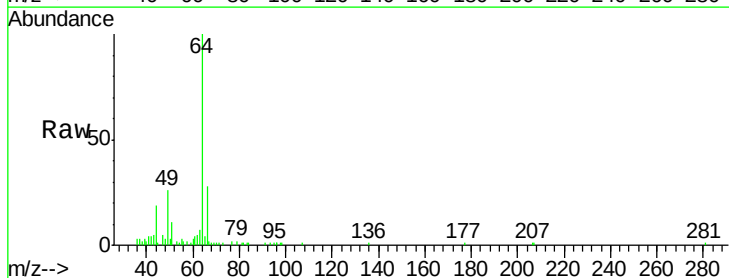
Acq: 20 Oct 2020 16:43

Tgt Ion: 64 Resp: 38428

Ion Ratio Lower Upper

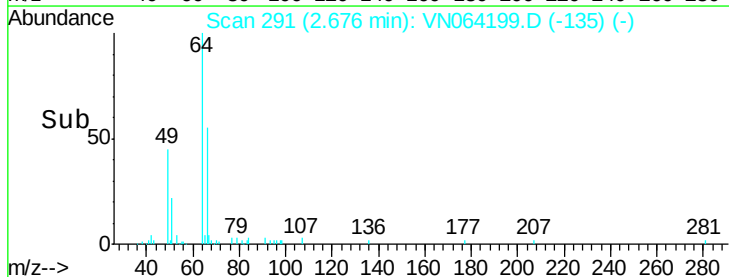
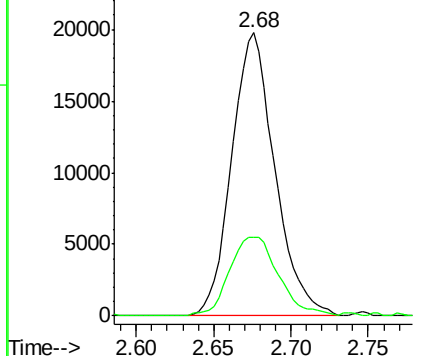
64 100

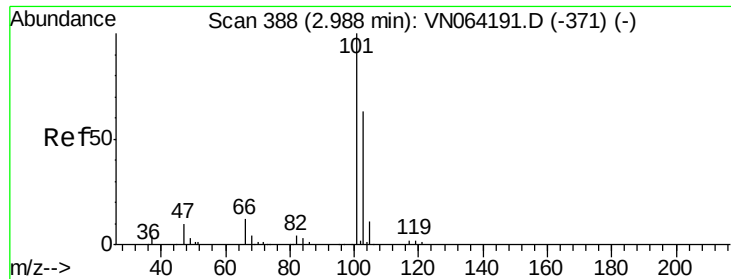
66 27.9 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

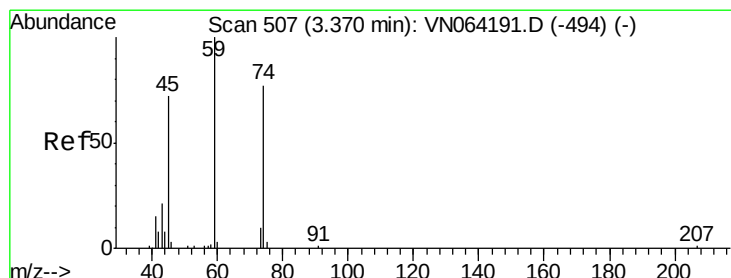
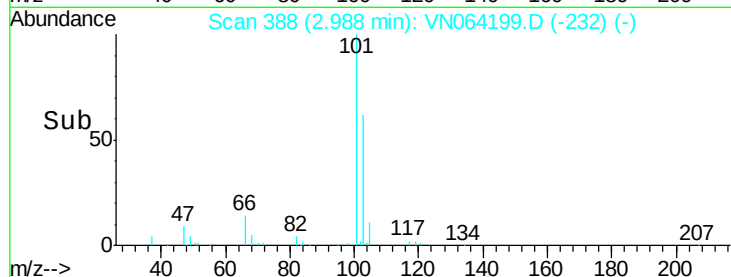
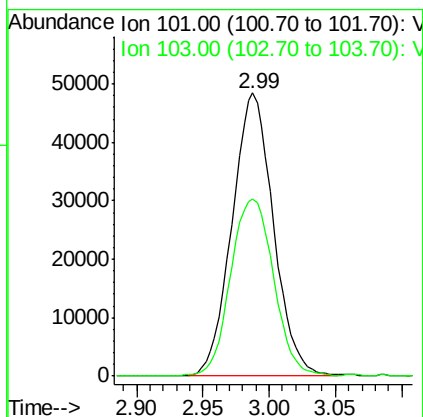
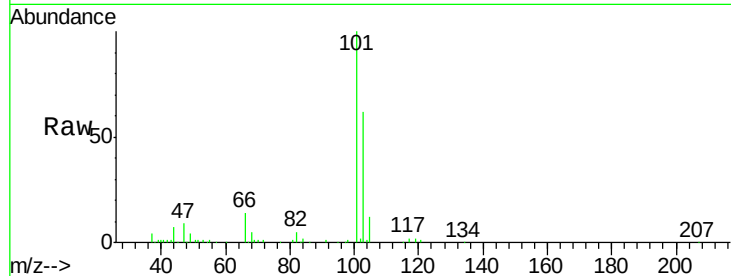
Trichlorofluoromethane
Concen: 19.800 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.7	76.1

Manual Integrations
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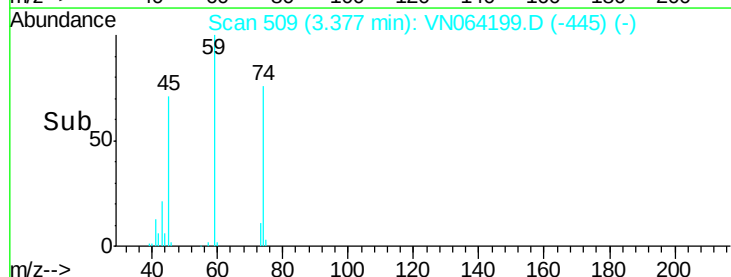
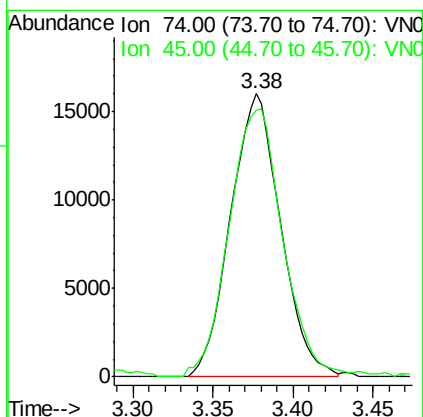
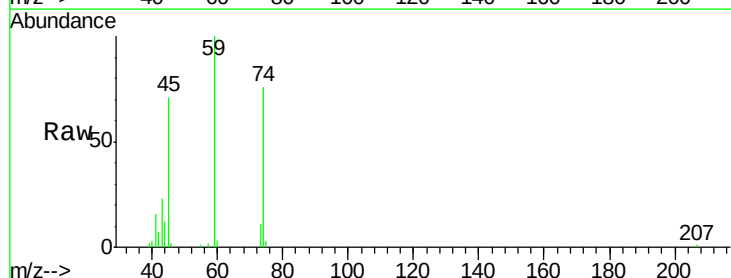
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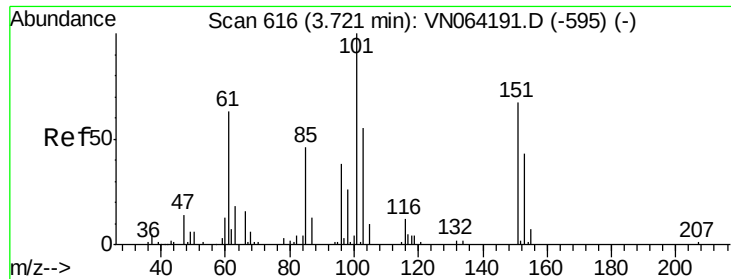


#8

Diethyl Ether
Concen: 19.033 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.800 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

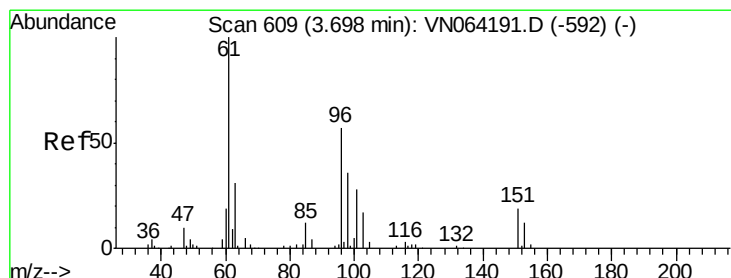
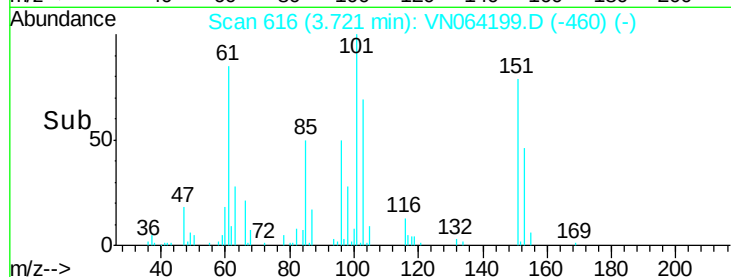
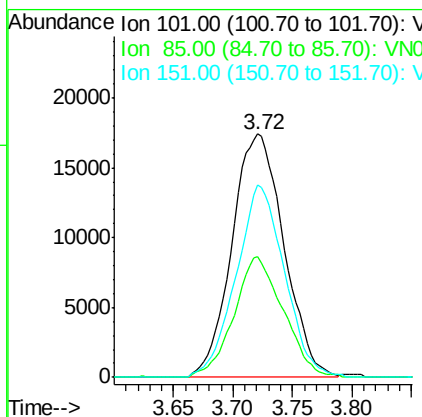
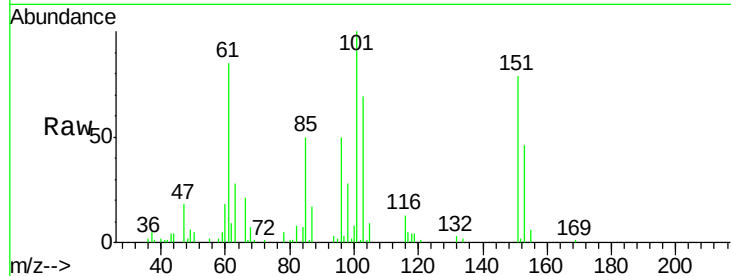
ClientSampleId :

VN1020WBS01

Tot Ion:	101	Resp:	52660
Ion Ratio	Lower	Upper	
101	100		
85	46.9	0.0	94.0
151	73.5	0.0	146.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.498 ug/l

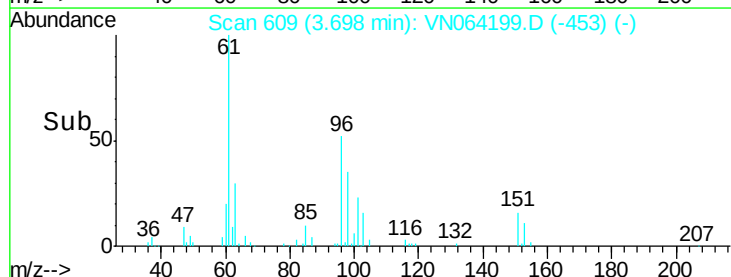
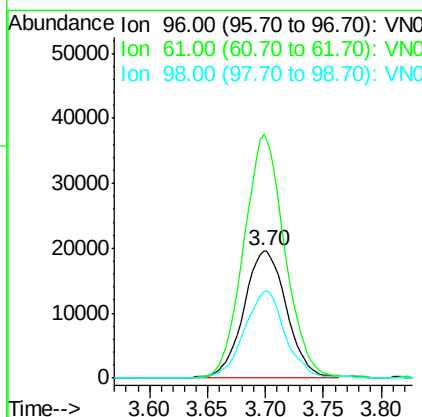
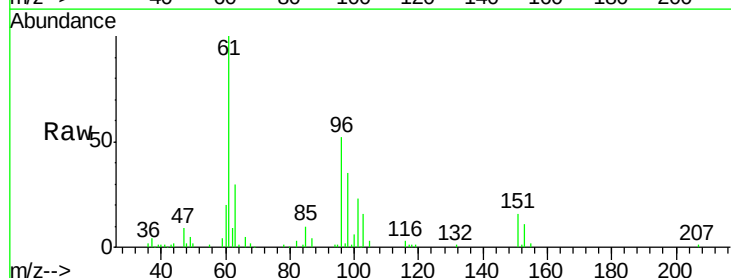
RT: 3.70 min Scan# 609

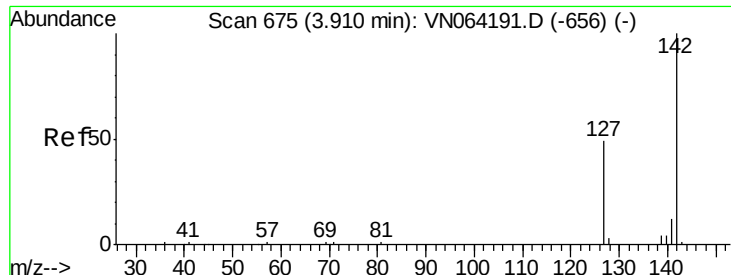
Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Tgt Ion:	96	Resp:	50449
Ion Ratio	Lower	Upper	
96	100		
61	191.5	141.0	211.4
98	67.9	51.4	77.2





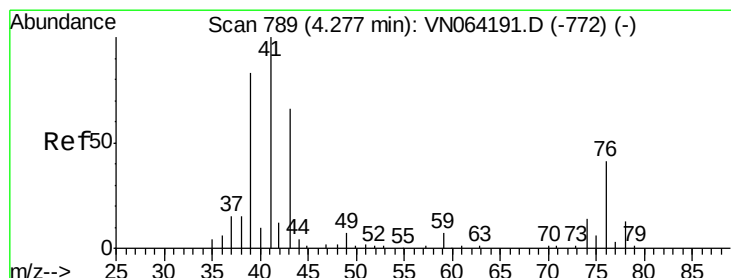
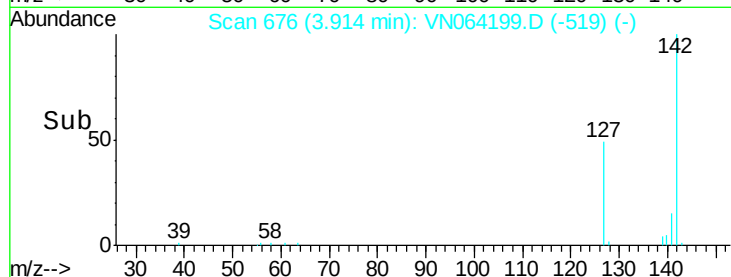
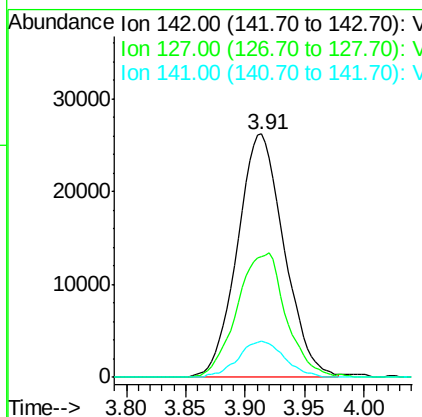
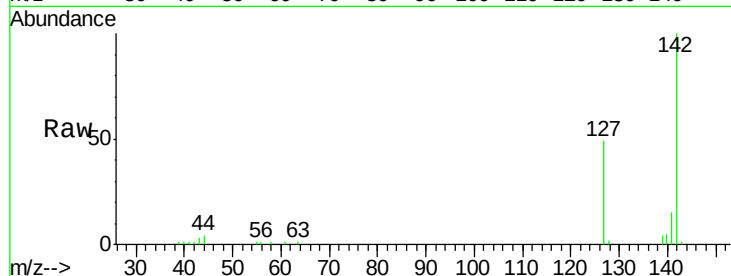
#11
Methvl Iodide
Concen: 18.145 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.2	24.5	73.5
141	14.8	6.0	18.1

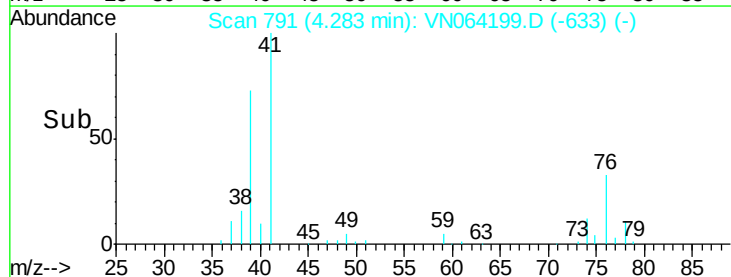
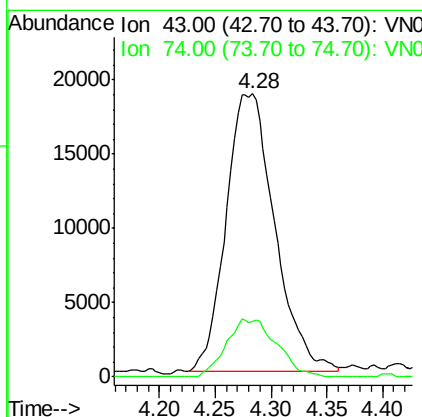
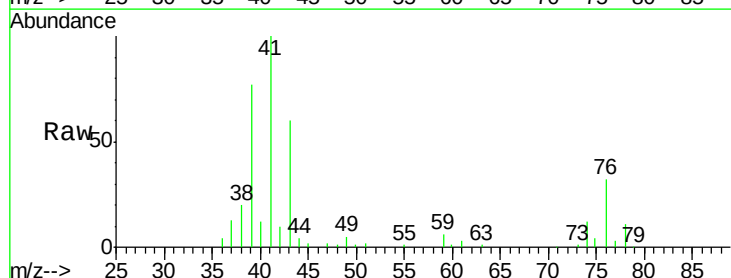
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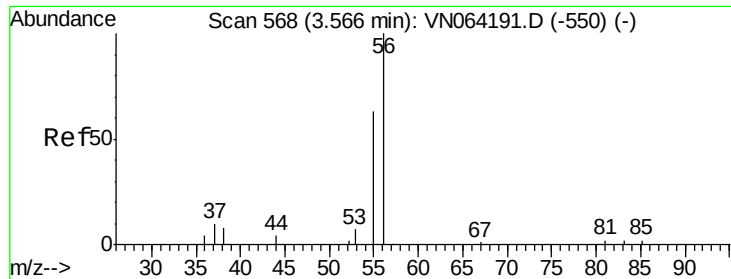
MMDadoda
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#12
Methyl Acetate
Concen: 19.751 ug/l m
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	16.2	24.2





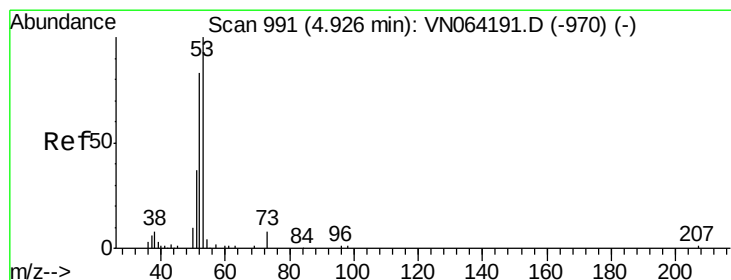
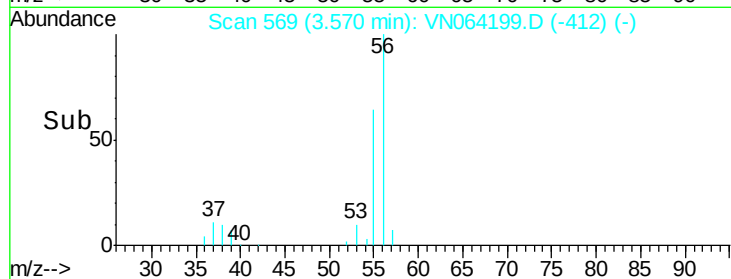
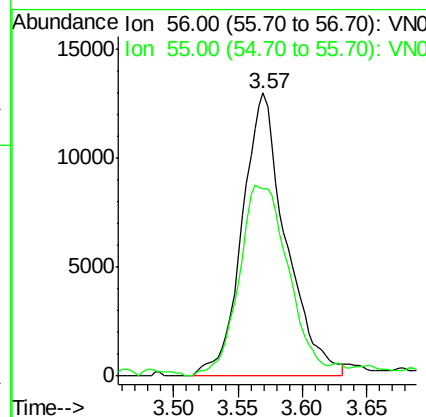
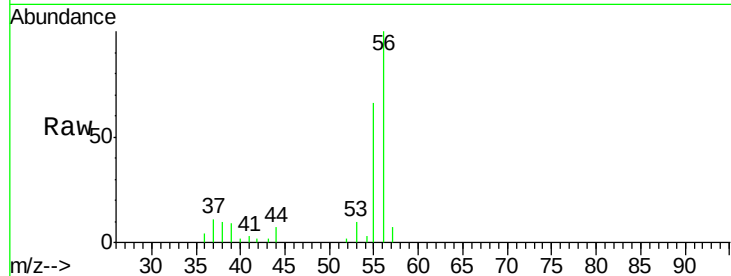
#13
 Acrolein
 Concen: 97.483 ug/l
 RT: 3.57 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
55	39.0		0.5	0.7#	

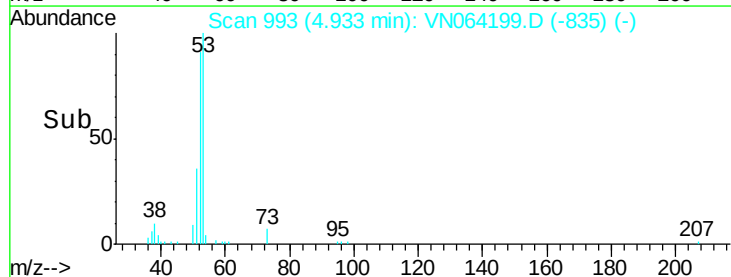
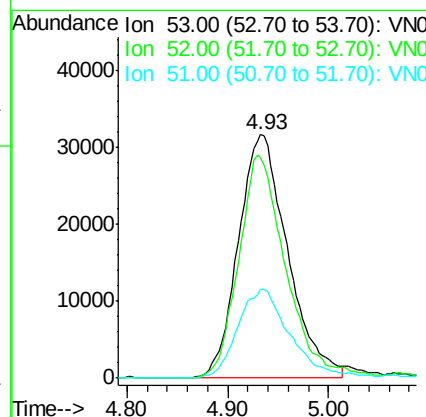
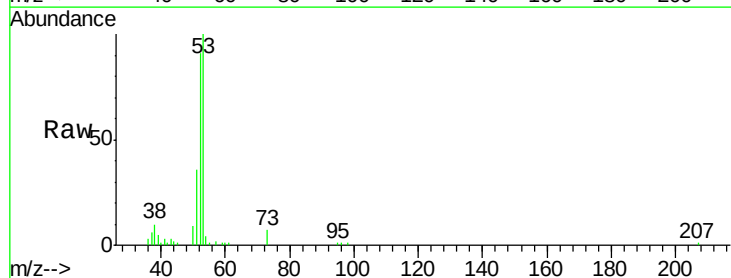
Manual Integrations
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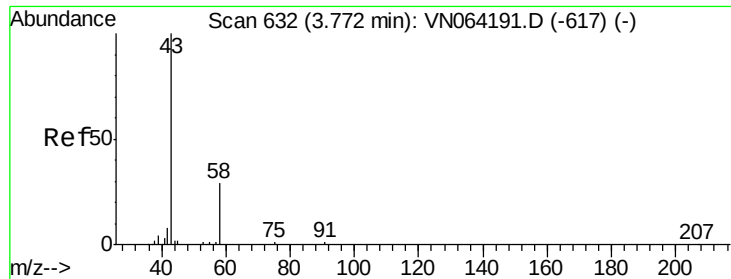
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#14
 Acrylonitrile
 Concen: 92.325 ug/l
 RT: 4.93 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
53	100				
52	86.0		41.3	123.9	
51	38.1		18.1	54.1	





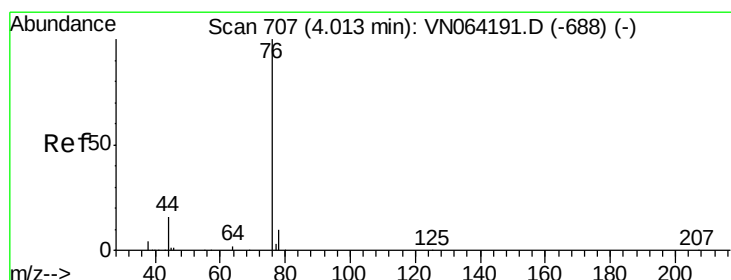
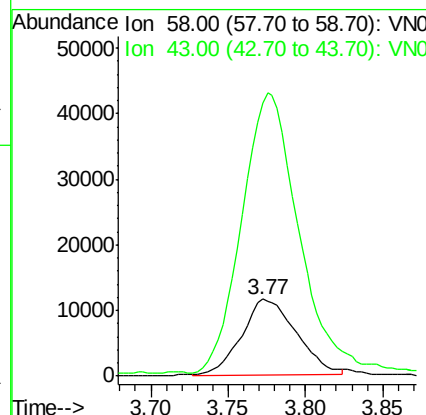
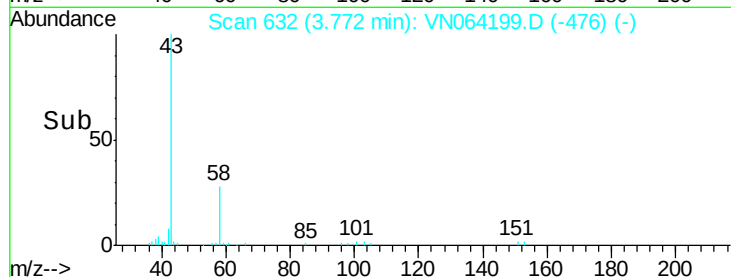
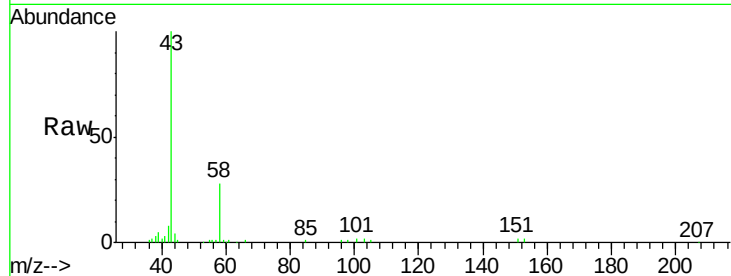
#15
Acetone
Concen: 91.568 ug/l
RT: 3.77 min Scan# 632
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion: 58 Resp: 28638
Ion Ratio Lower Upper
58 100
43 357.3 272.1 408.1

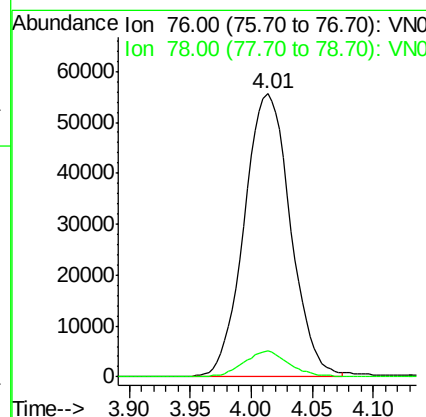
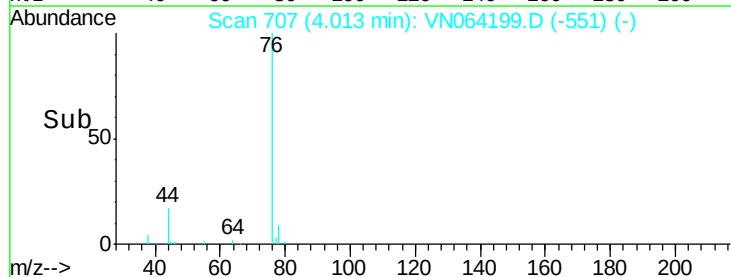
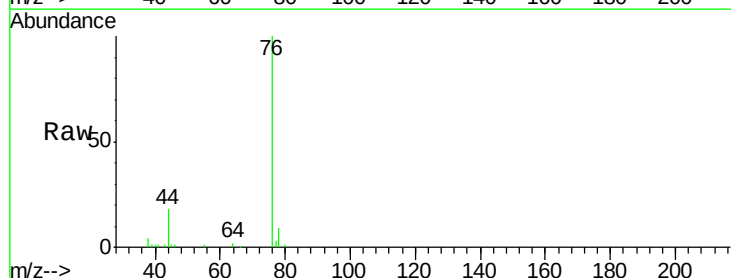
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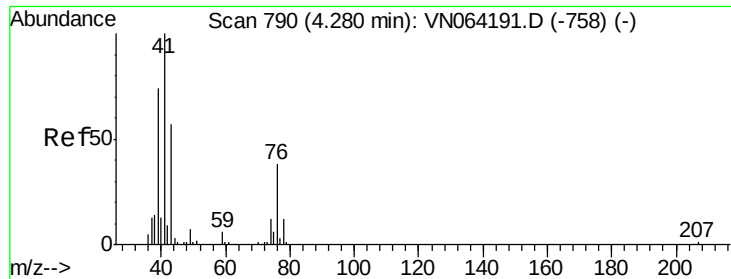
MMDadoda
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#16
Carbon Disulfide
Concen: 18.778 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 76 Resp: 146454
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5





#17

Allvl chloride

Concen: 18.092 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

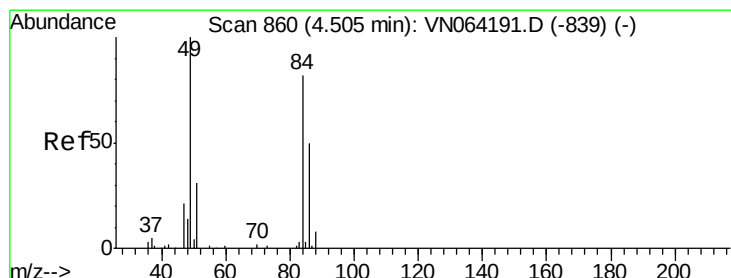
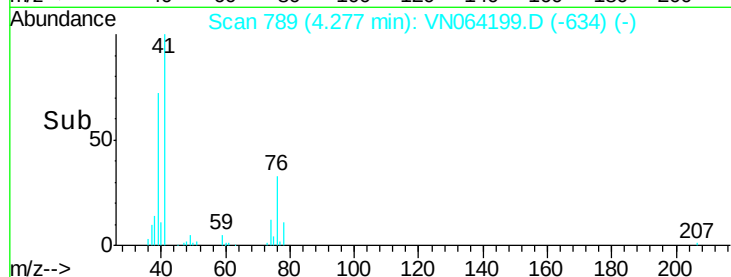
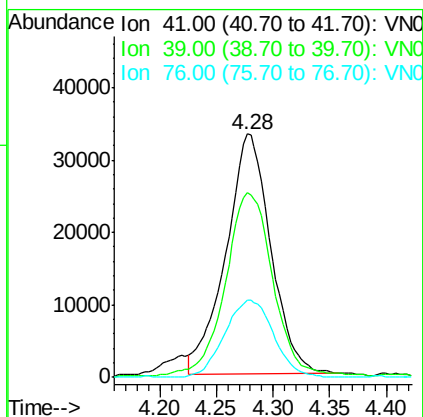
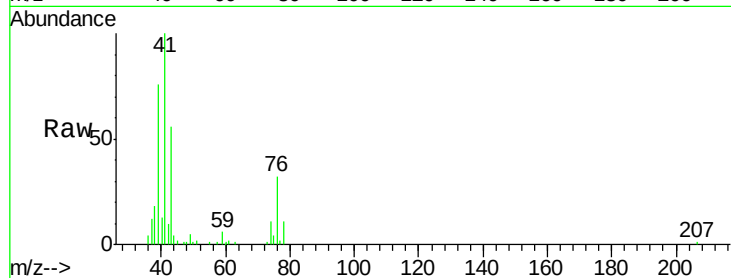
ClientSampleId :

VN1020WBS01

Tot Ion:	41	Resp:	91747
Ion	Ratio	Lower	Upper
41	100		
39	75.2	36.8	110.4
76	32.3	18.8	56.4

Manual Integrations
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#18

Methylene Chloride

Concen: 18.983 ug/l

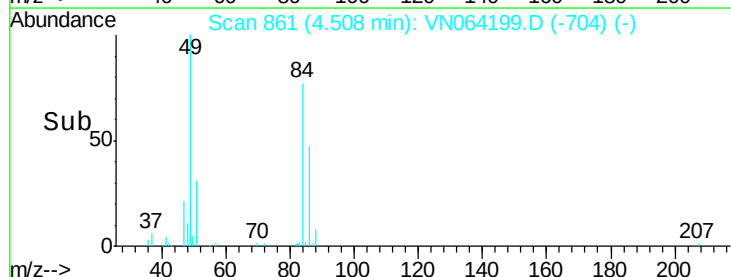
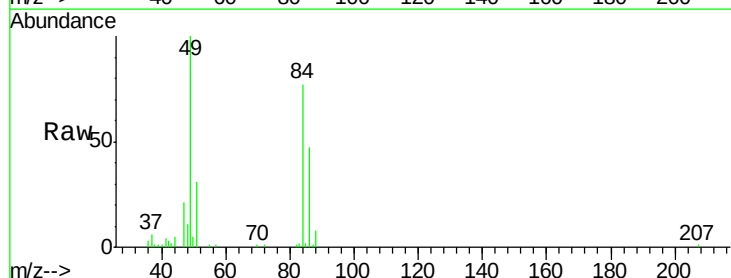
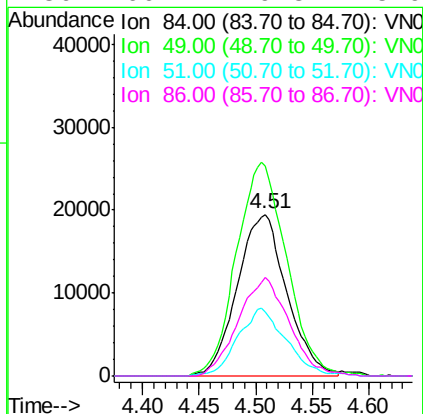
RT: 4.51 min Scan# 861

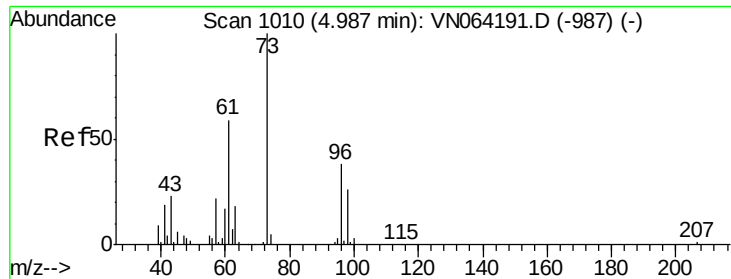
Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Tgt Ion:	84	Resp:	59212
Ion	Ratio	Lower	Upper
84	100		
49	130.1	97.6	146.4
51	39.9	31.1	46.7
86	60.7	49.3	73.9





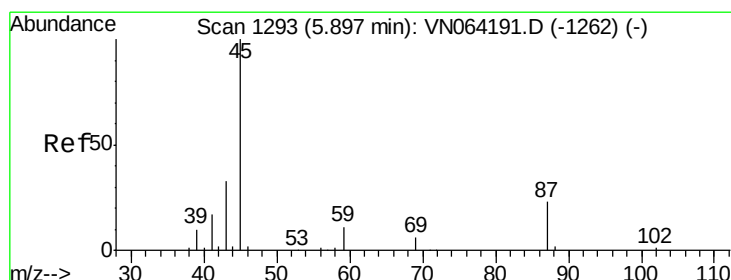
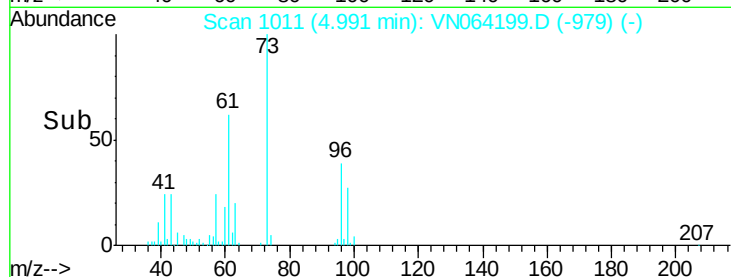
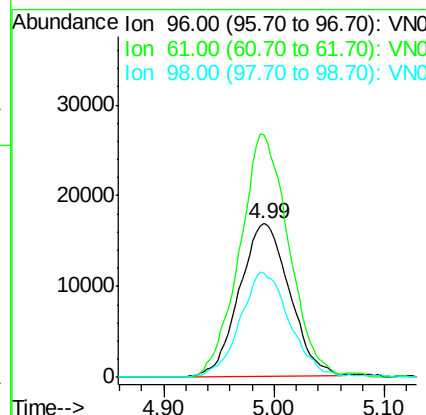
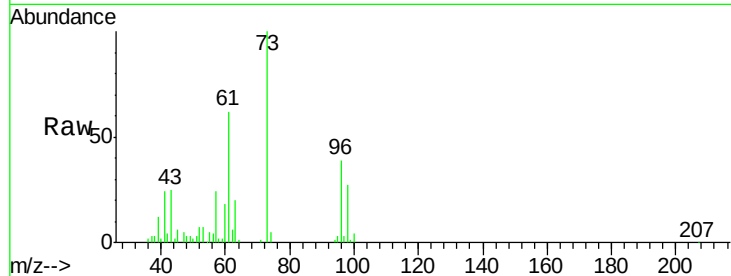
#19
trans-1,2-Dichloroethene
Concen: 18.096 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.3	125.5	188.3
98	67.0	54.7	82.1

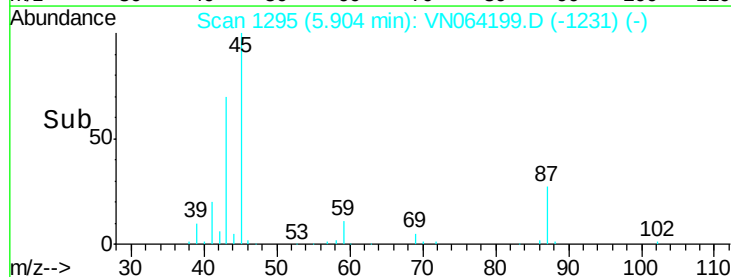
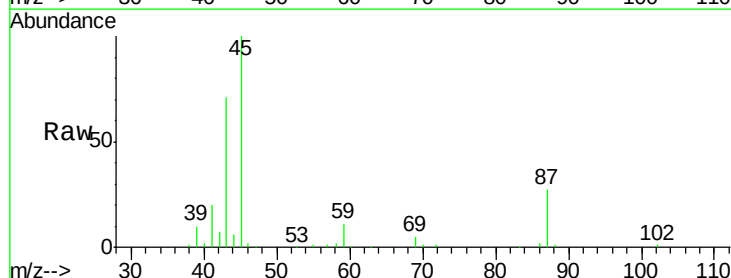
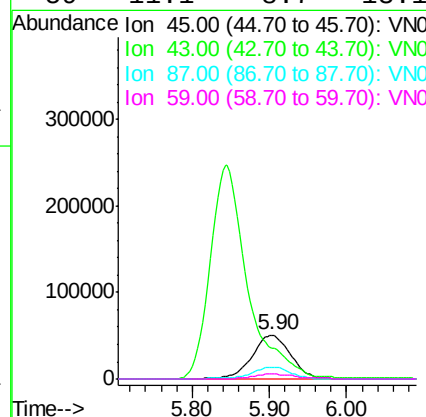
Manual Integrations
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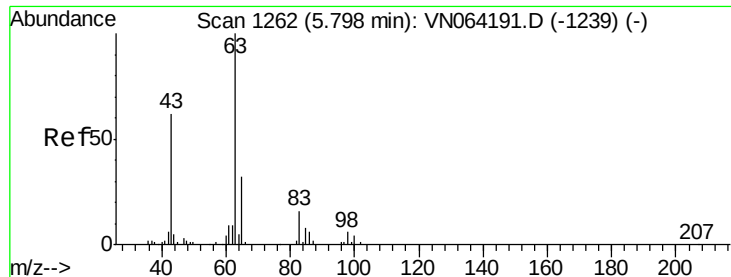
MMDadoda
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#20
Diisopropyl ether
Concen: 18.968 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.1	55.1	82.7
87	26.7	19.4	29.2
59	11.1	8.7	13.1





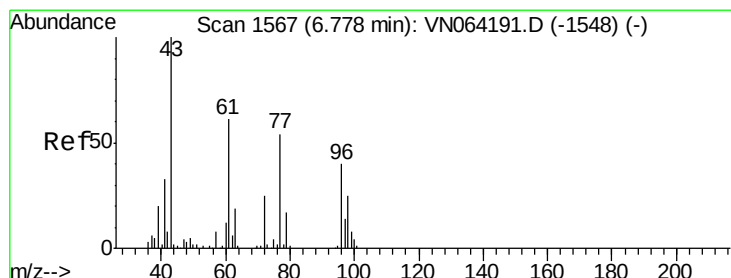
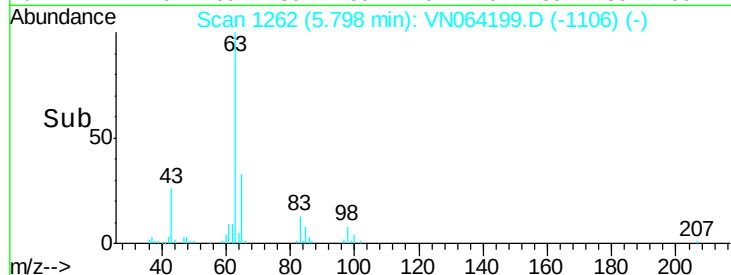
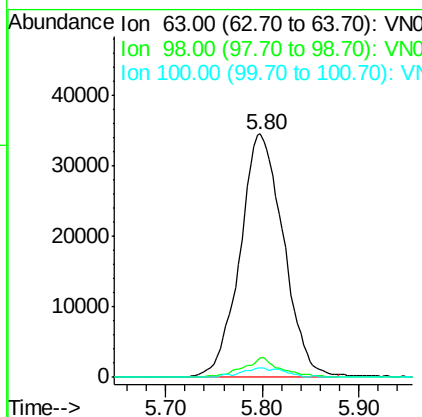
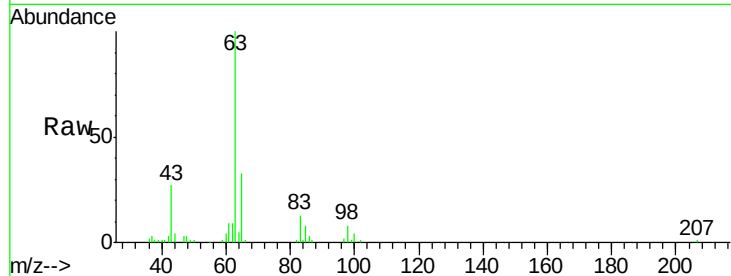
#21
 1,1-Dichloroethane
 Concen: 18.807 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	8.1	2.9	8.7
100	3.8	2.1	6.3

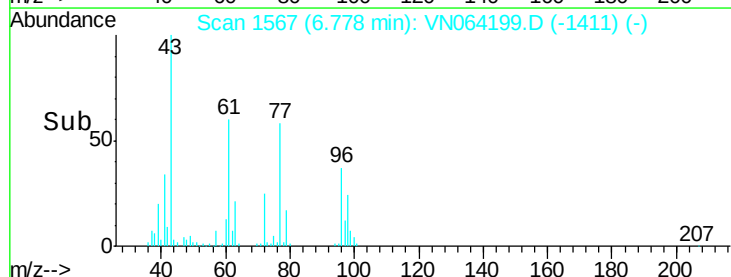
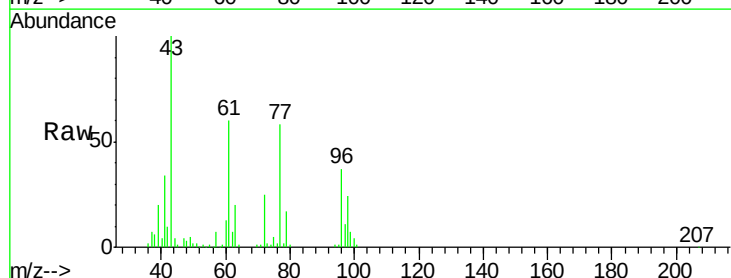
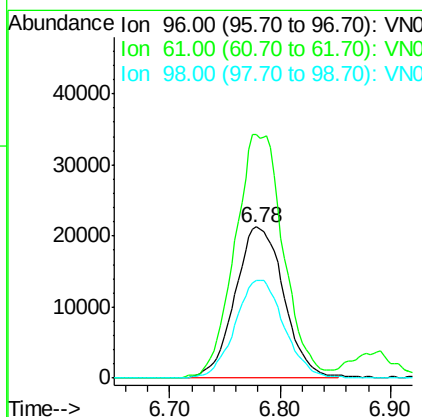
Manual Integrations
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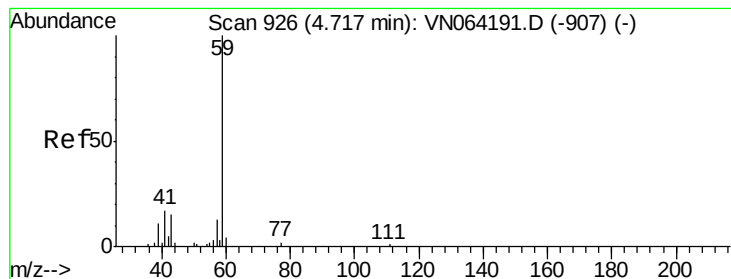
MMDadoda
 10/23/2020 2:28:53 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.970 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	86.4	126.2	189.4#
98	64.7	50.2	75.4





#23

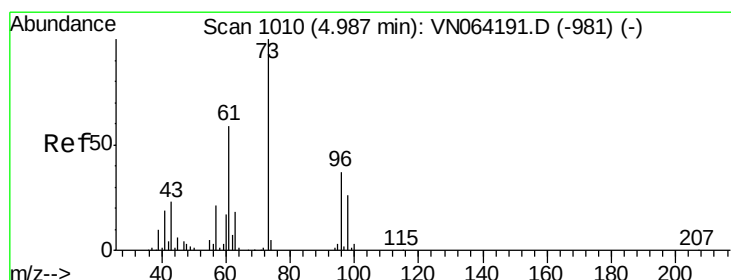
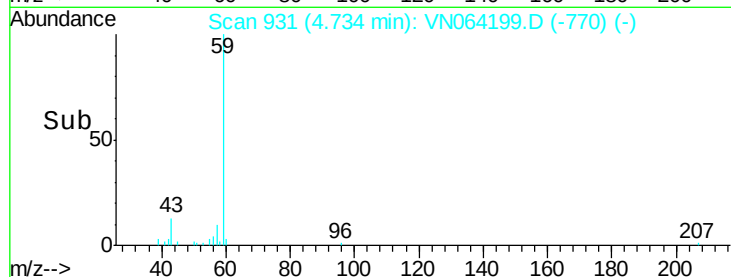
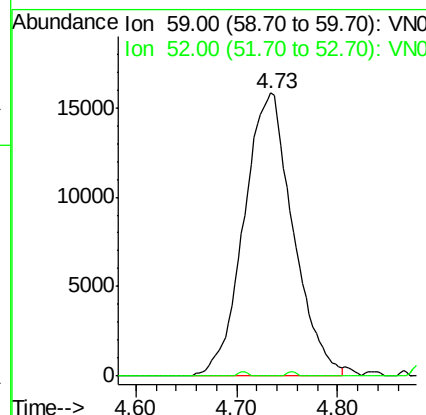
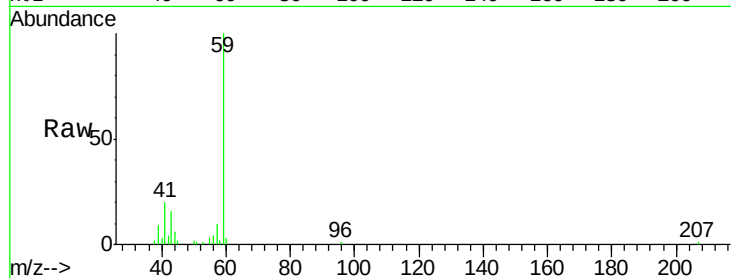
tert-Butyl Alcohol
 Concen: 99.713 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.02 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	53422		
52	52	0.3		0.0	0.0#

Manual Integrations
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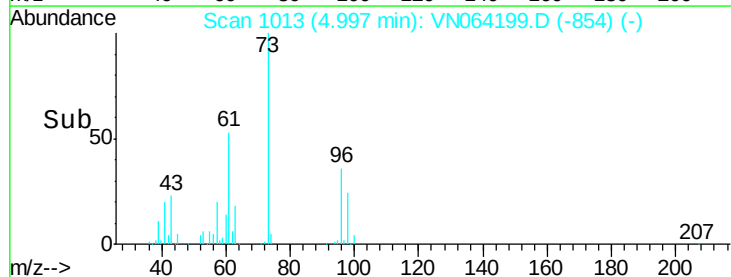
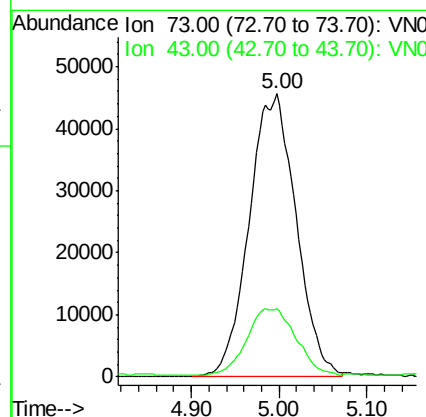
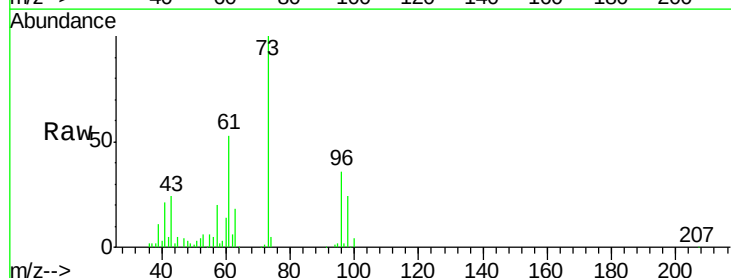
MMDadoda
 10/23/2020 2:28:53 PM

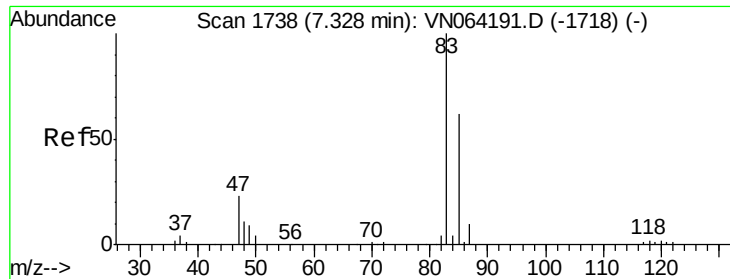


#24

Methyl tert-Butyl Ether
 Concen: 18.804 ug/l m
 RT: 5.00 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	169455		
43	43	12.5		18.2	27.2#





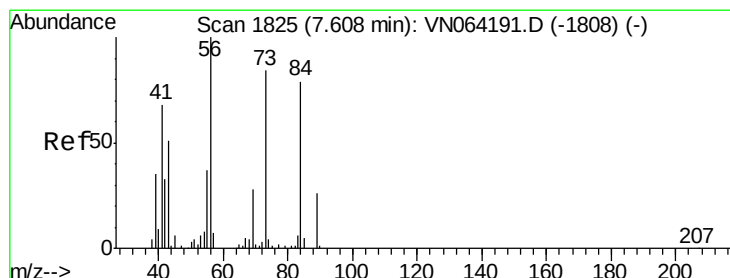
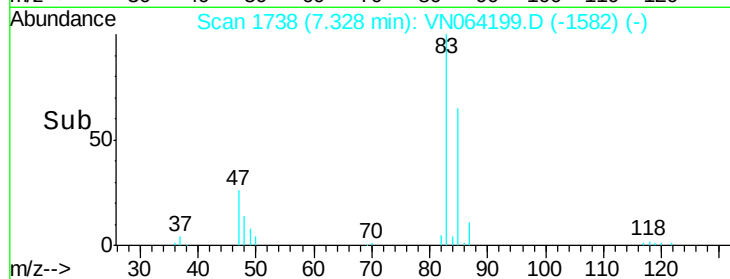
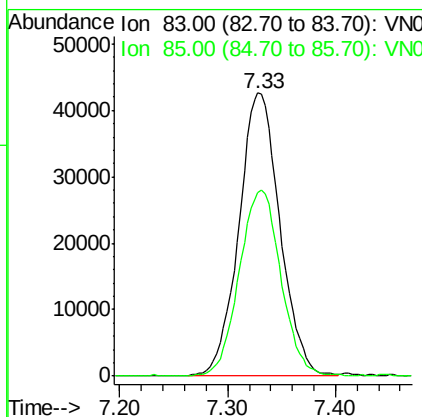
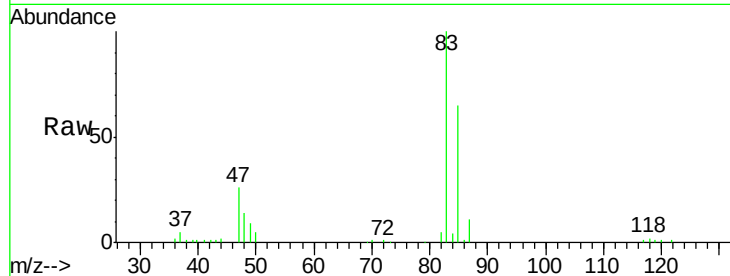
#25
Chloroform
Concen: 18.998 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	83	Resp	112933
Ion Ratio	100	Lower	Upper
85	64.9	49.7	74.5

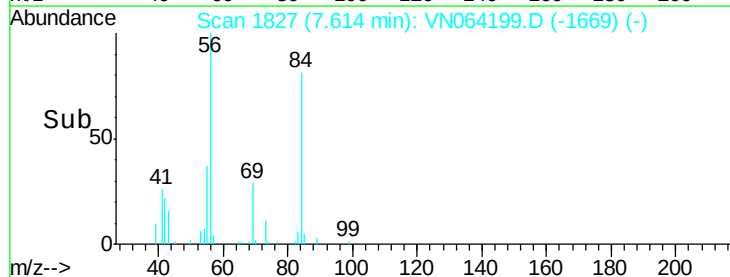
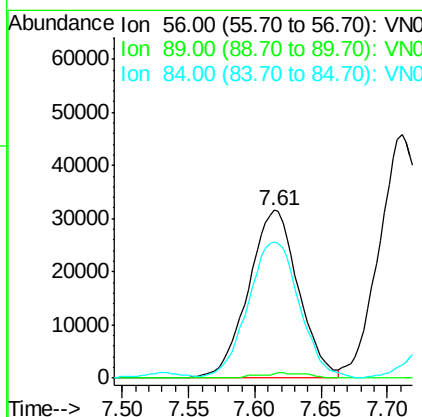
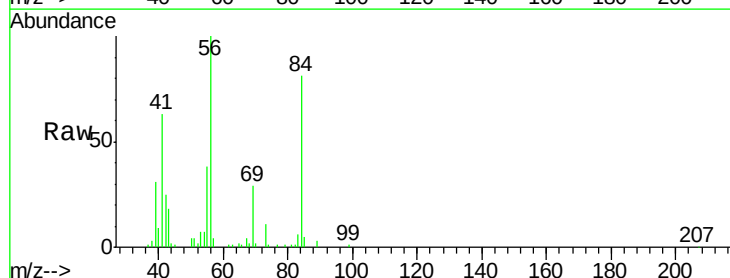
Manual Integrations
APPROVED

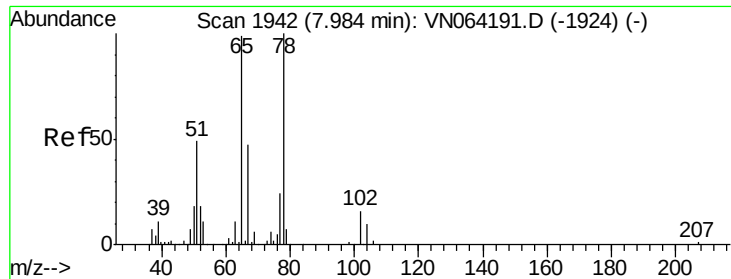
MMDadoda
10/23/2020 2:28:53 PM



#26
Cyclohexane
Concen: 18.322 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	56	Resp	83115
Ion Ratio	100	Lower	Upper
89	0.4	21.4	32.0#
84	83.3	65.8	98.6





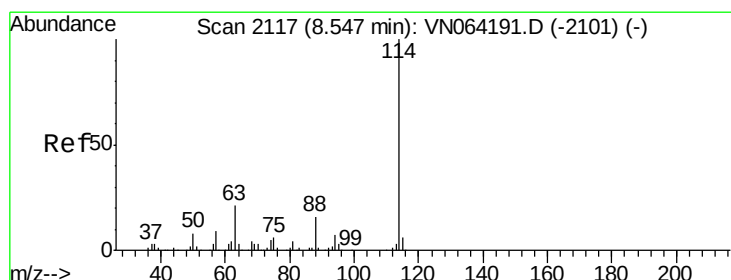
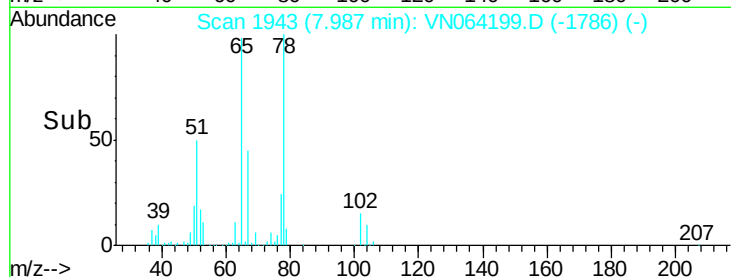
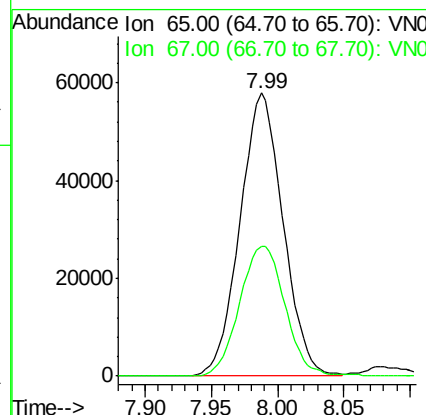
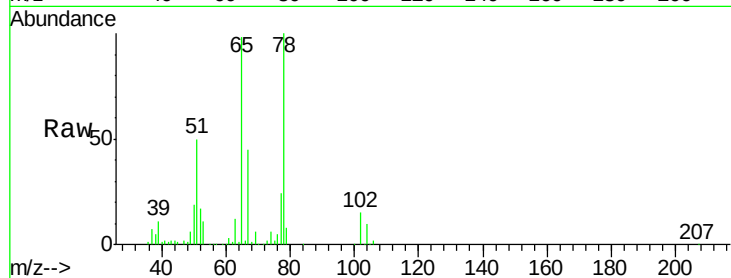
#27
 1,2-Dichloroethane-d4
 Concen: 33.368 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.3	39.8	59.6

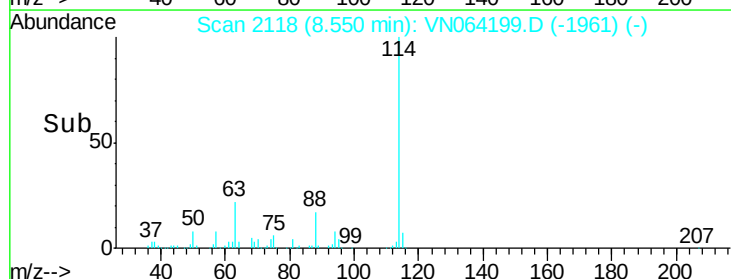
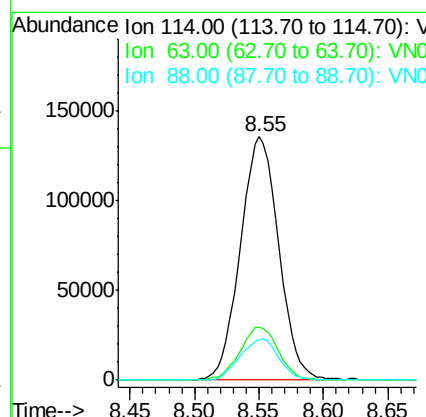
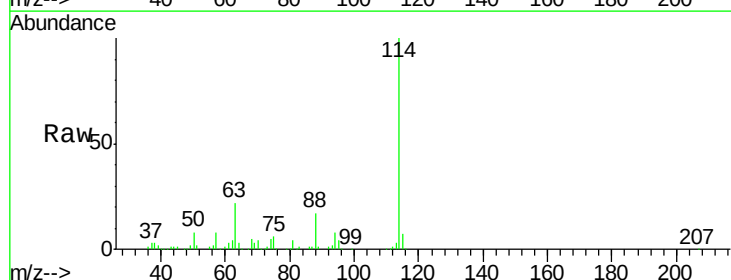
Manual Integrations
 APPROVED

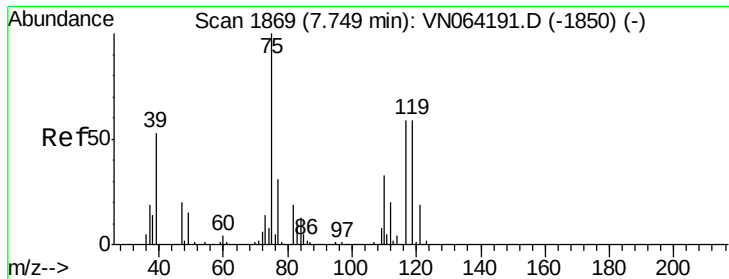
MMDadoda
 10/23/2020 2:28:53 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	17.0	25.4
88	17.1	13.0	19.4





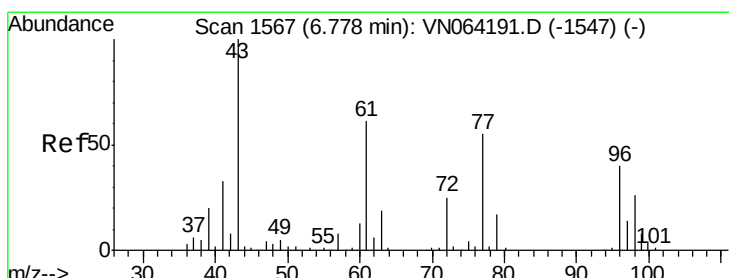
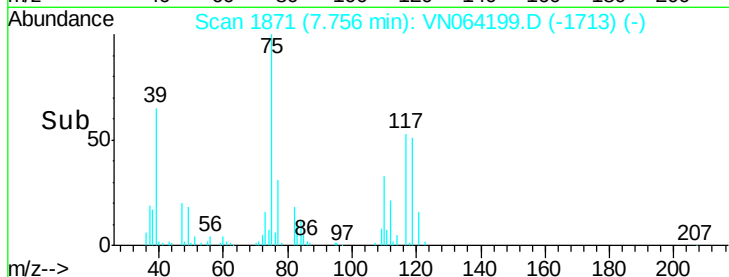
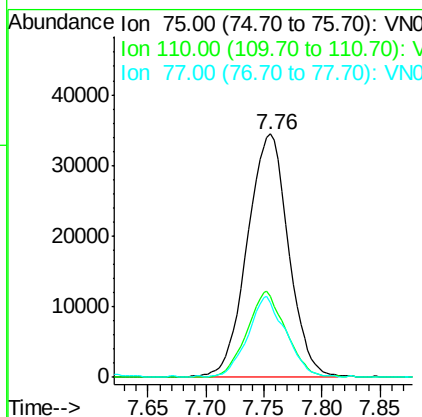
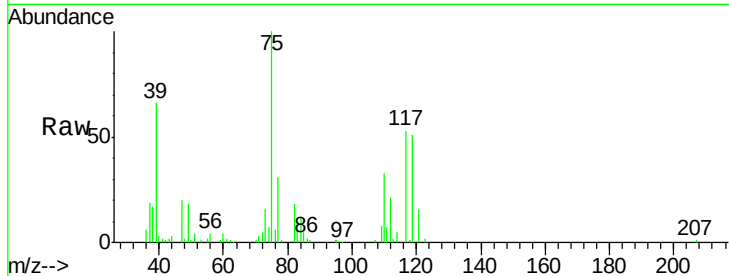
#29
 1,1-Dichloropropene
 Concen: 18.248 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	0.0	66.8
77	30.7	0.0	63.6

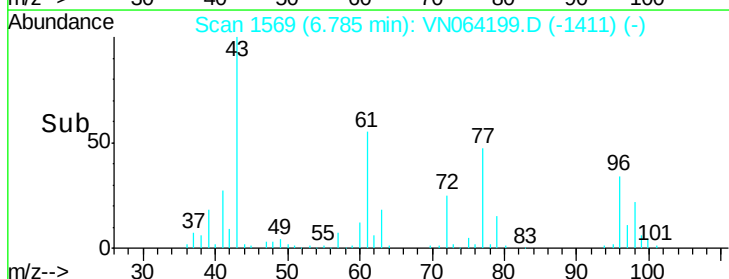
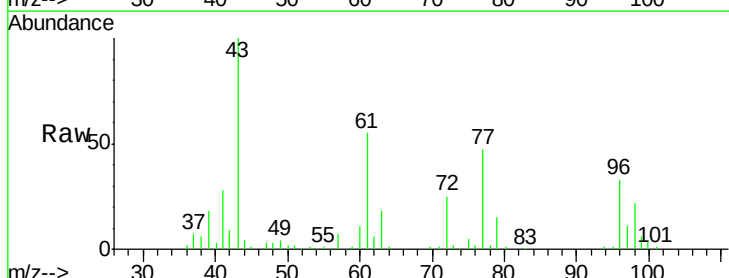
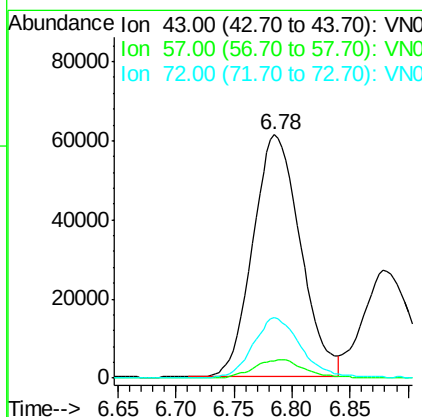
Manual Integrations
 APPROVED

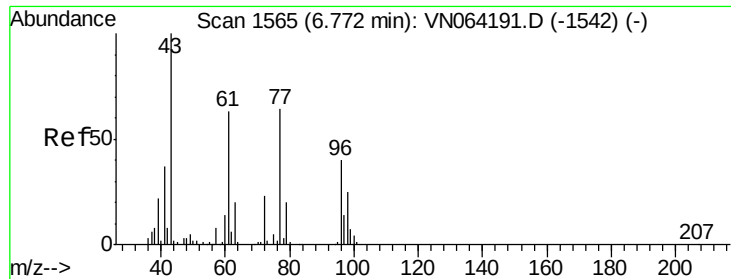
MMDadoda
 10/23/2020 2:28:53 PM



#30
 2-Butanone
 Concen: 90.785 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	5.8	8.6
72	25.1	19.8	29.8





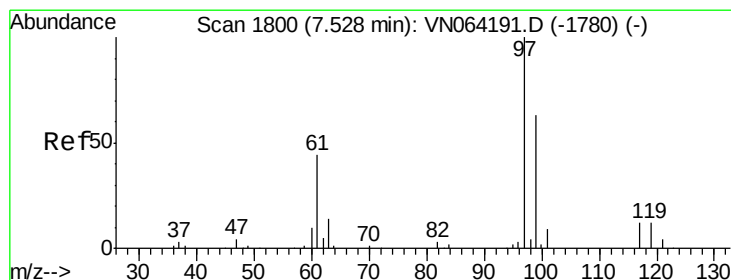
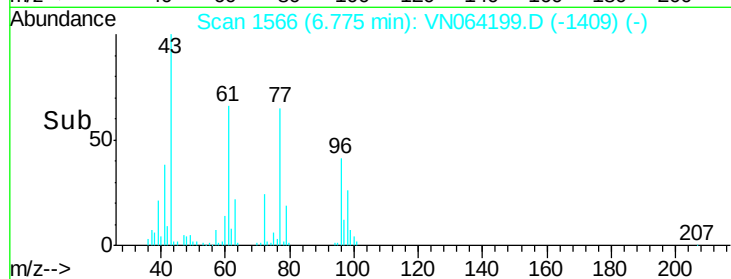
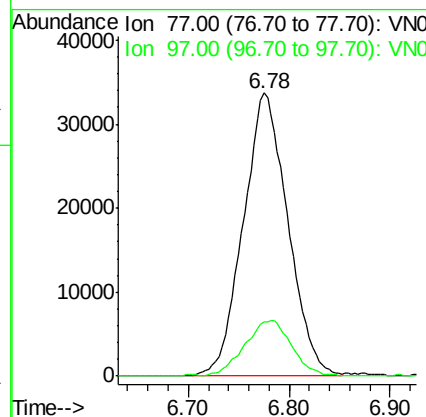
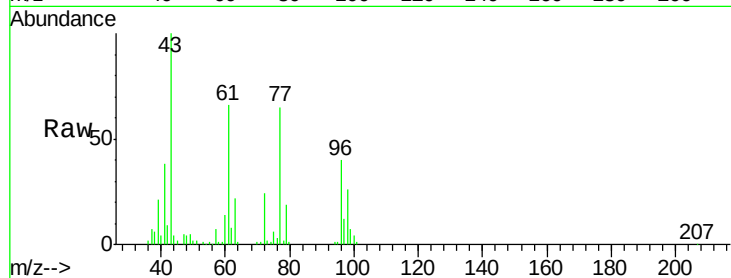
#31
 2,2-Dichloropropane
 Concen: 17.438 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.7	17.3	25.9

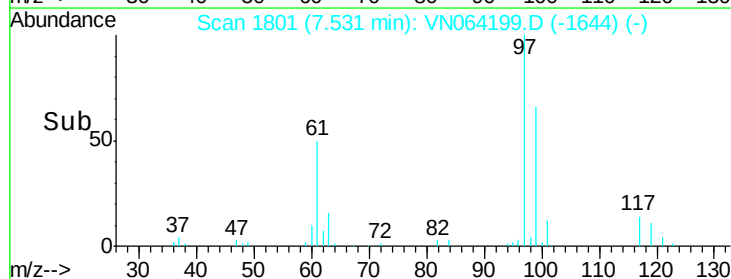
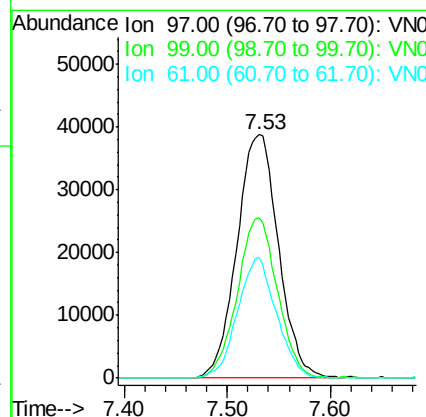
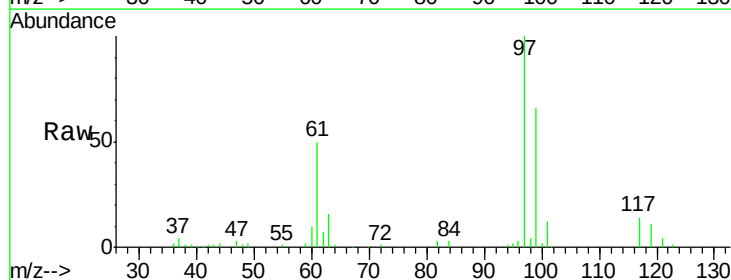
Manual Integrations
 APPROVED

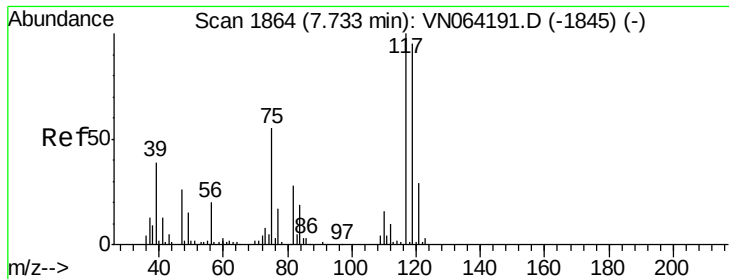
MMDadoda
 10/23/2020 2:28:53 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.254 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	46.2	34.8	52.2





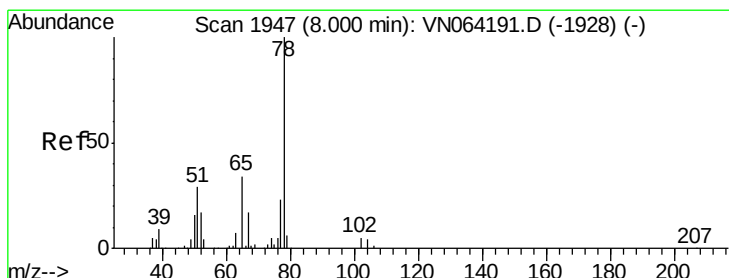
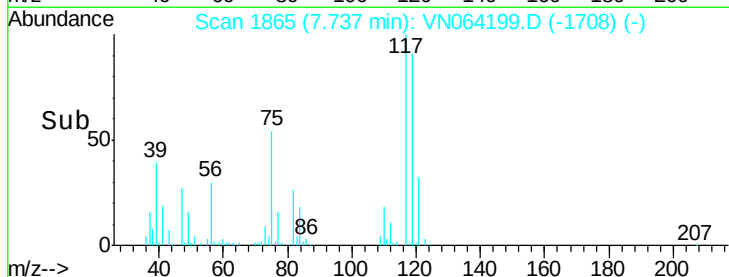
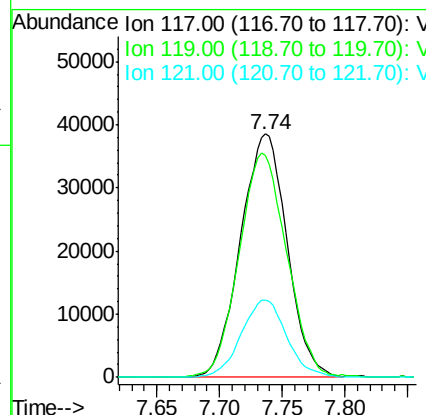
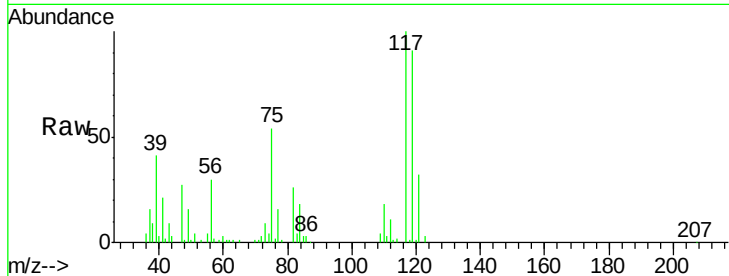
#33
Carbon Tetrachloride
Concen: 18.303 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampled :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	90.3	76.0	114.0
121	31.9	23.0	34.6

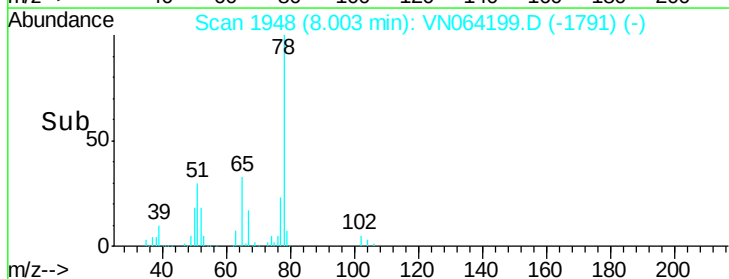
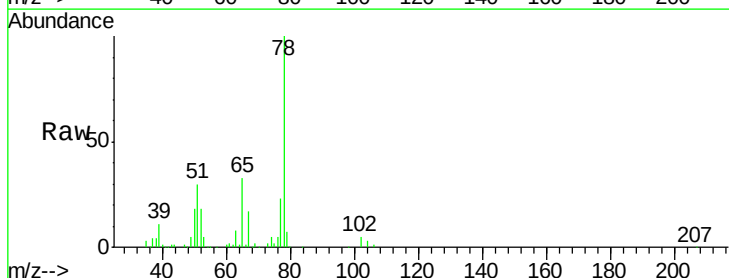
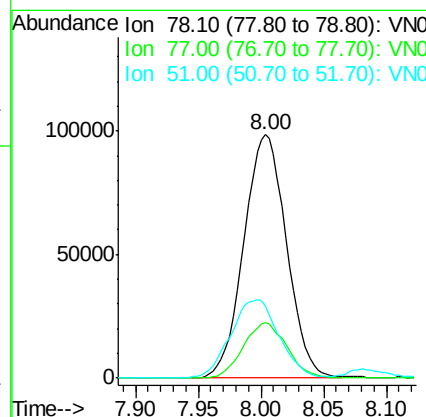
Manual Integrations
APPROVED

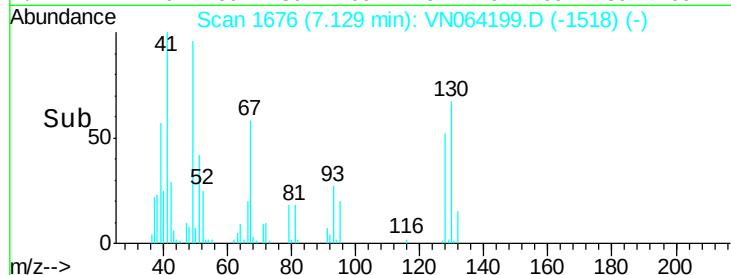
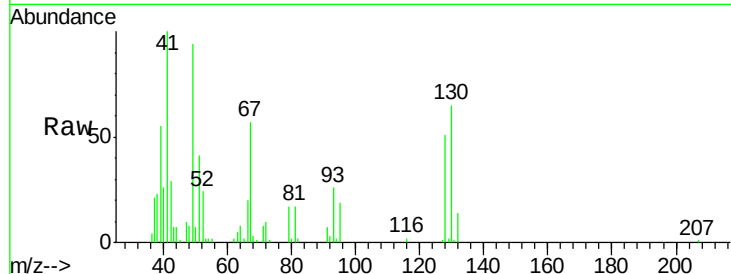
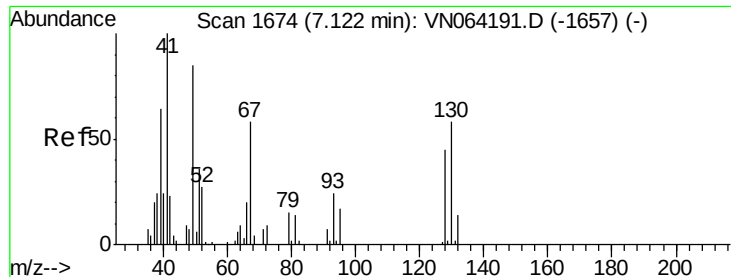
MMDadoda
10/23/2020 2:28:53 PM



#34
Benzene
Concen: 17.910 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6
51	29.3	23.0	34.6





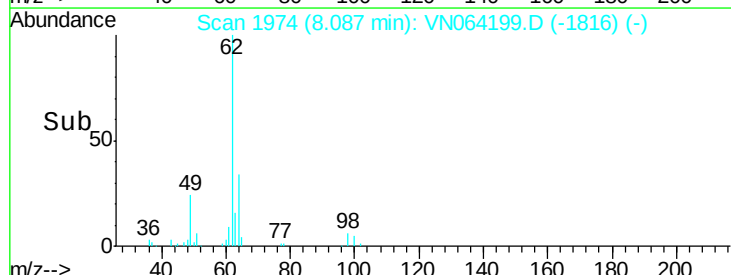
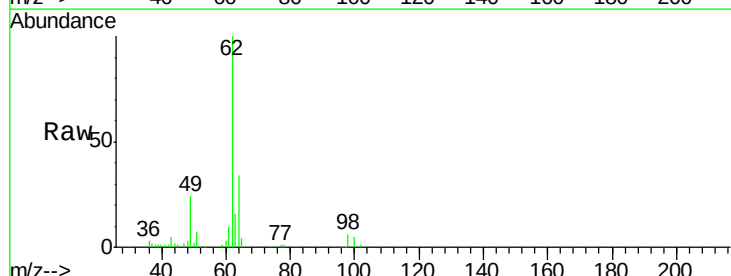
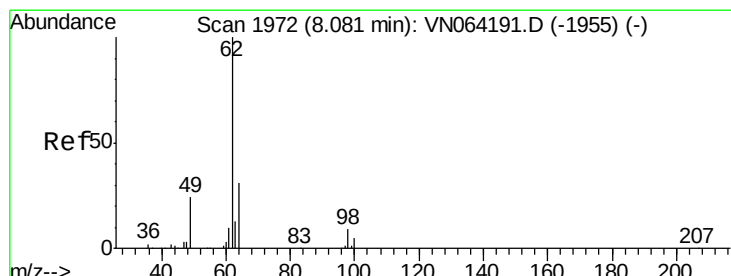
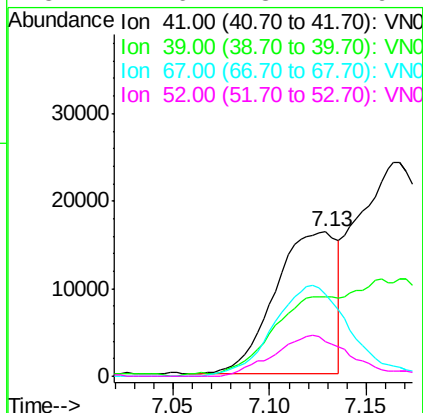
#35
Methacrylonitrile
Concen: 17.144 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tot Ion	41.00	Resp:	36274
Ion	Ratio	Lower	Upper
41	100		
39	54.6	32.1	96.3
67	57.8	28.9	86.8
52	24.6	13.4	40.2

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

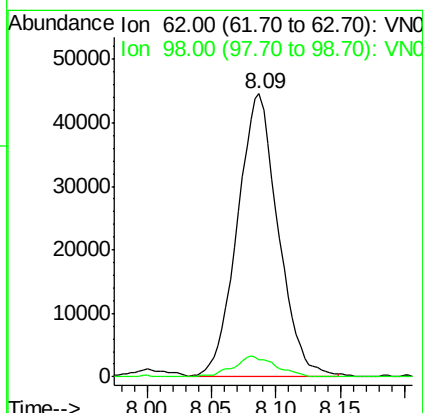
Manual Integrations
APPROVED

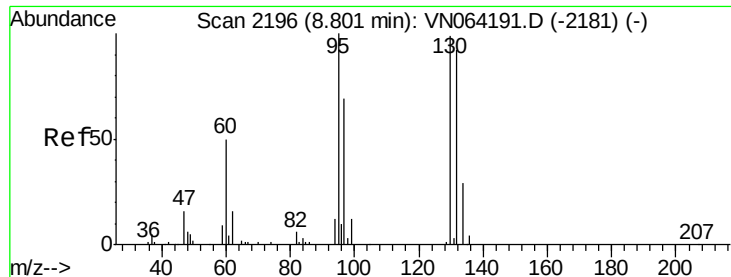
MMDadoda
10/23/2020 2:28:53 PM



#36
1,2-Dichloroethane
Concen: 18.444 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	62	Resp:	97168
Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.3	9.5





#37

Trichloroethene

Concen: 17.826 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBS01

Tot Ion:130 Resp: 63931

Ion Ratio Lower Upper

130 100

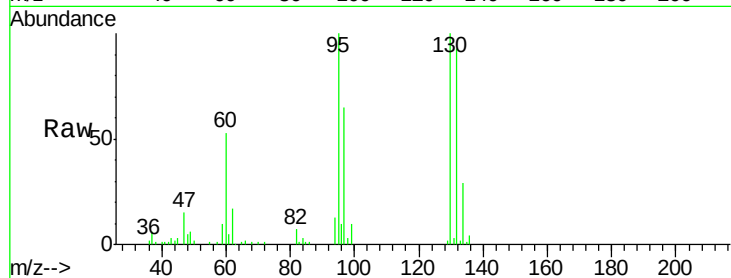
95 99.6 81.0 121.4

Manual Integrations

APPROVED

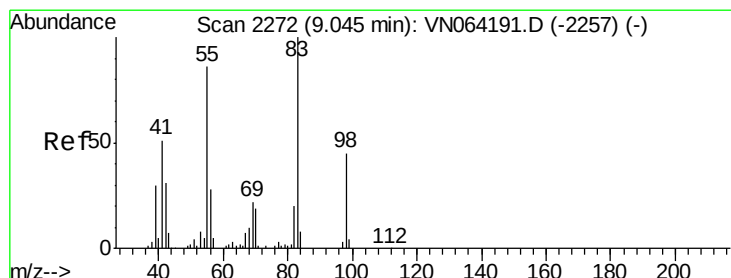
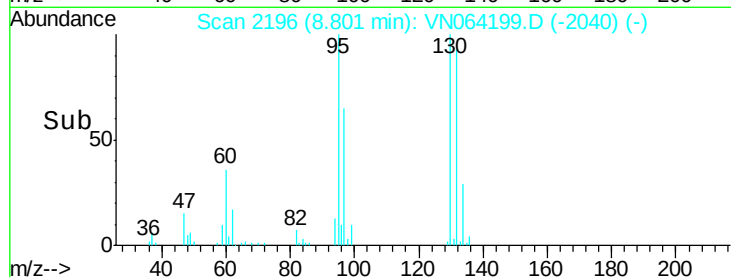
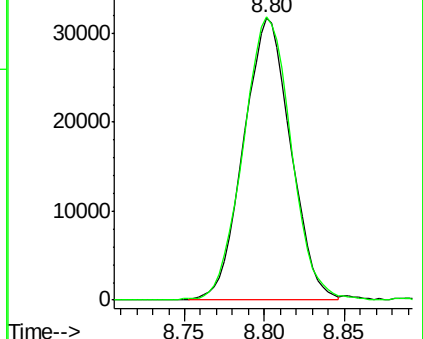
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 16.976 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

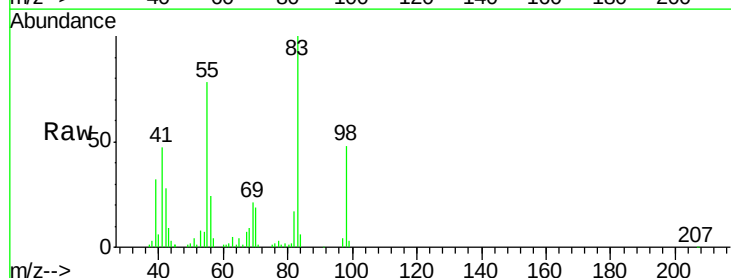
Tgt Ion: 83 Resp: 75945

Ion Ratio Lower Upper

83 100

55 82.1 40.3 120.9

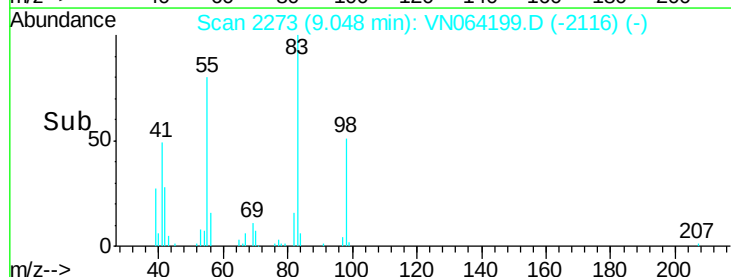
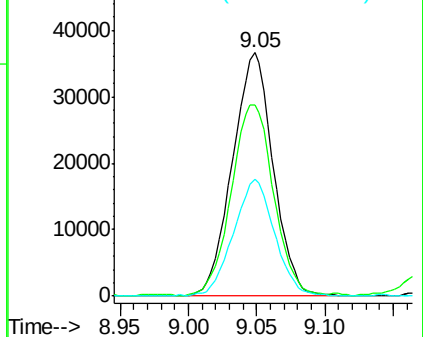
98 48.2 22.4 67.0

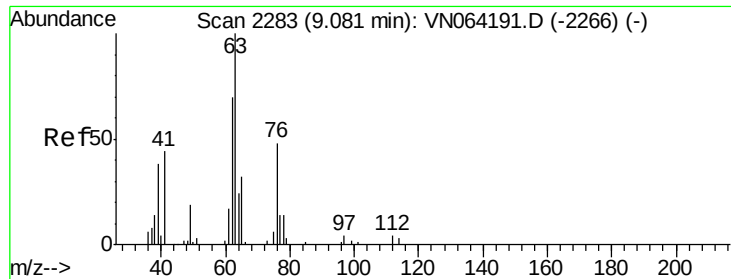


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





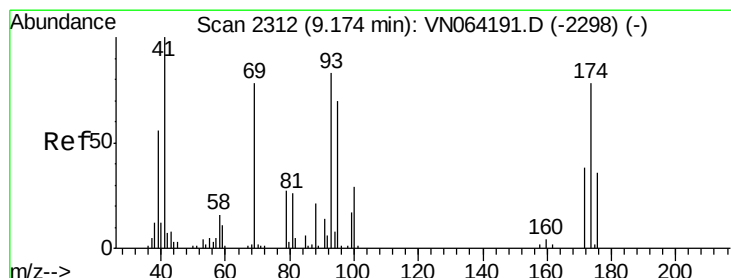
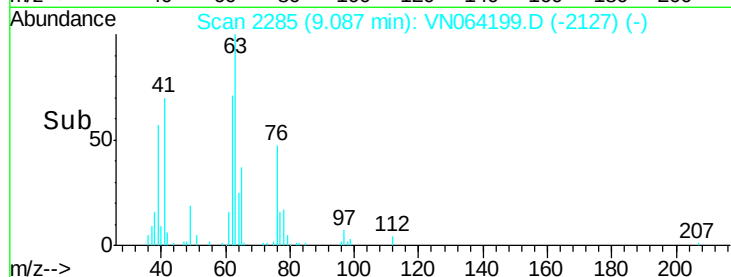
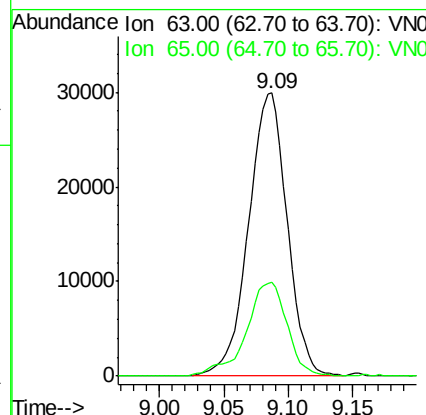
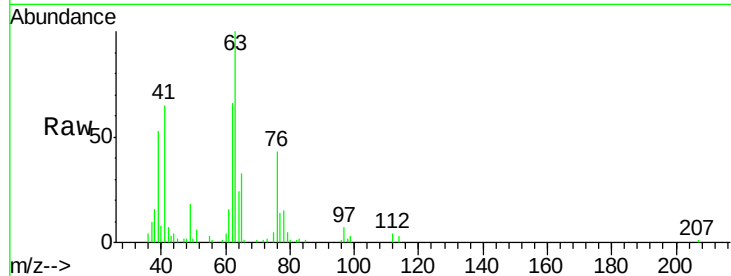
#39
 1,2-Dichloropropane
 Concen: 17.958 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion: 63 Resp: 62423
 Ion Ratio Lower Upper
 63 100
 65 33.1 26.5 39.7

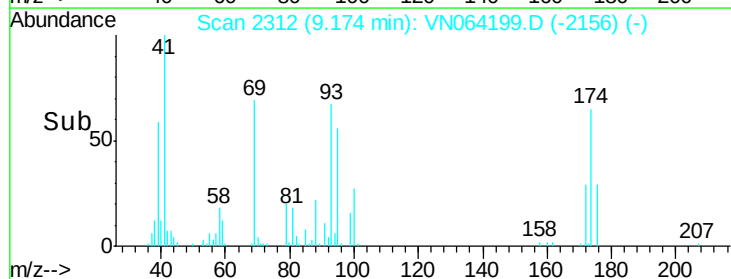
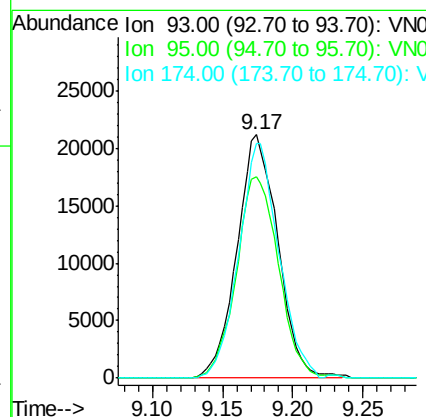
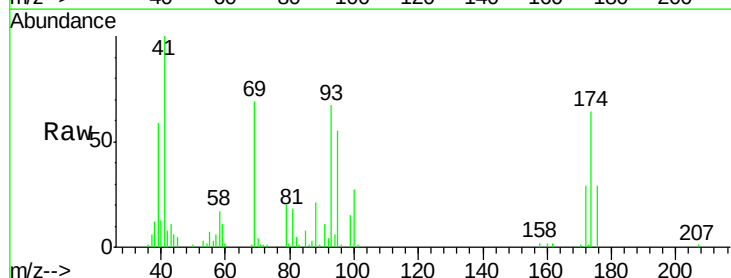
Manual Integrations
 APPROVED

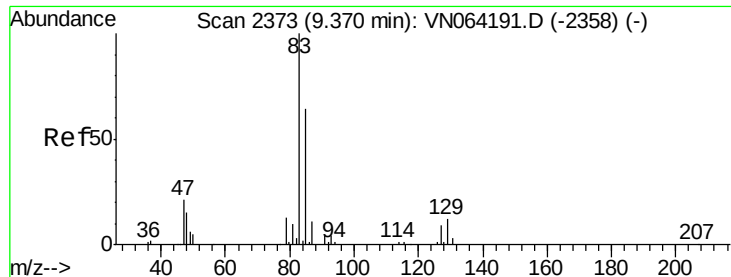
MMDadoda
 10/23/2020 2:28:53 PM



#40
 Dibromomethane
 Concen: 17.806 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion: 93 Resp: 43065
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 169.2
 174 94.2 0.0 187.4





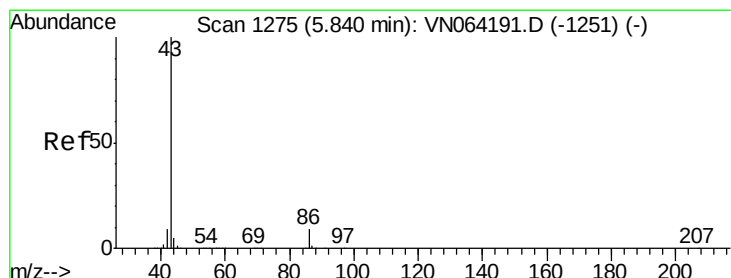
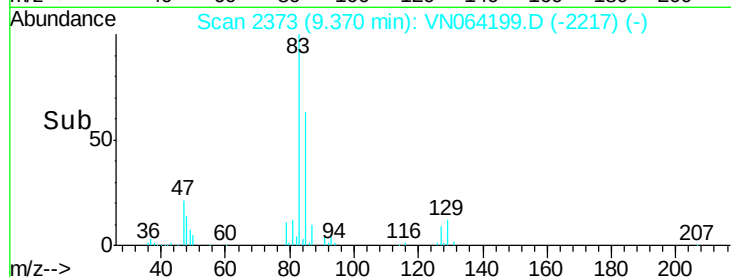
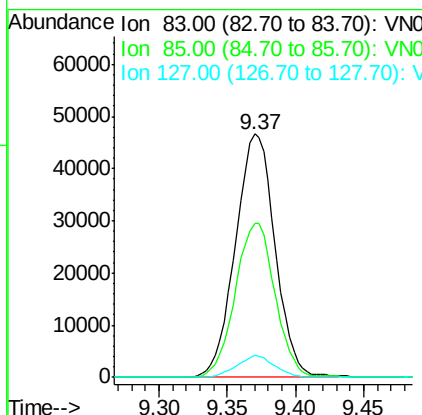
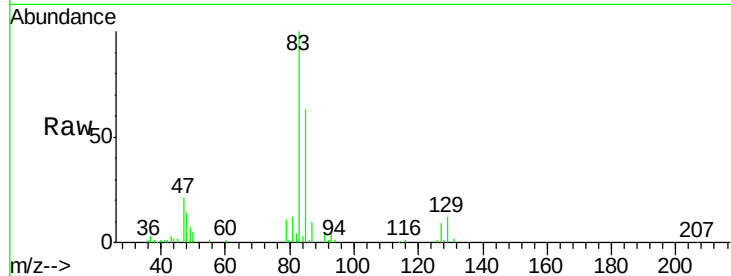
#41
Bromodichloromethane
Concen: 17.988 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	83	Resp	94155
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	8.9	6.8	10.2

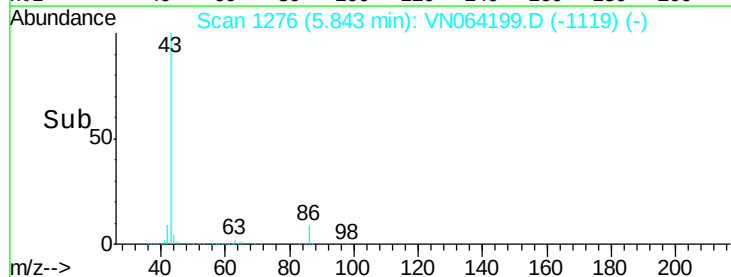
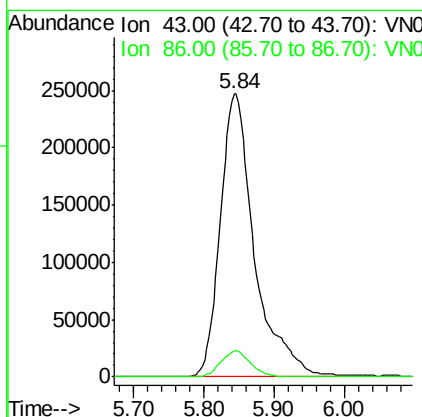
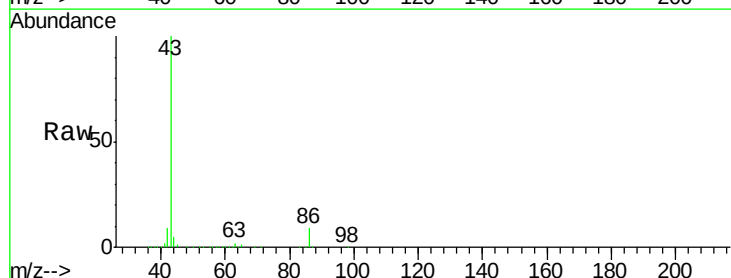
Manual Integrations
APPROVED

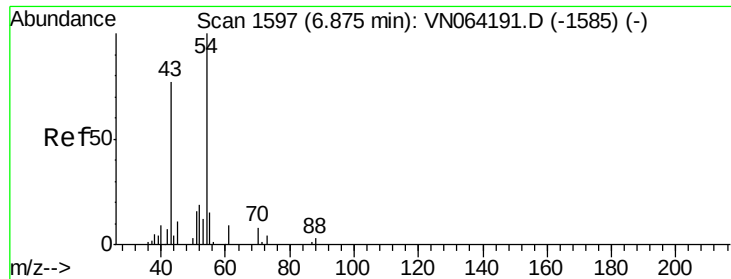
MMDadoda
10/23/2020 2:28:53 PM



#42
Vinyl Acetate
Concen: 90.730 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	43	Resp	830870
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.7	10.1





#43

Ethyl Acetate

Concen: 19.372 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBS01

Tot Ion: 43 Resp: 81611

Ion Ratio Lower Upper

43 100

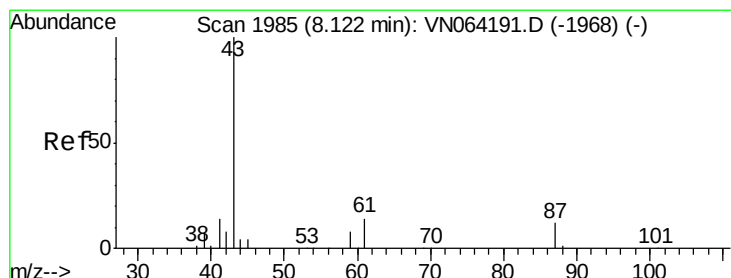
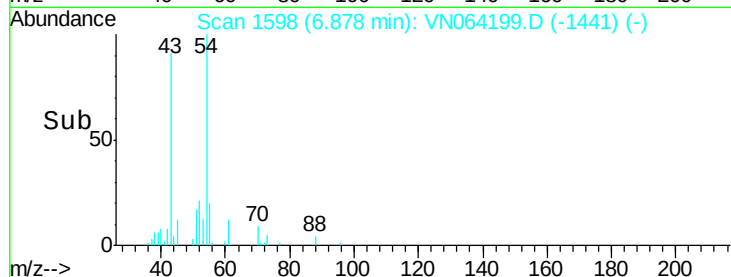
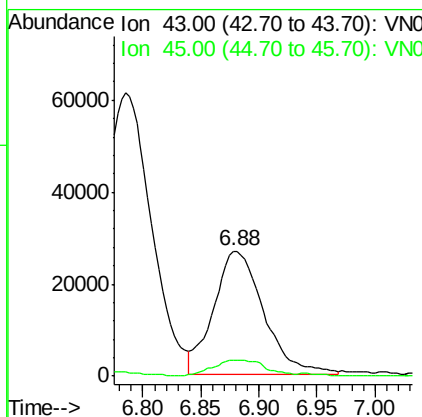
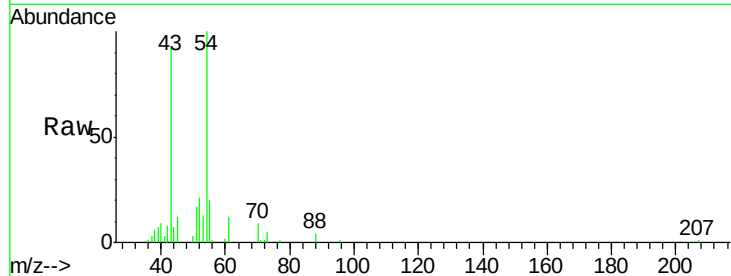
45 6.6 9.8 14.8#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 18.845 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064199.D

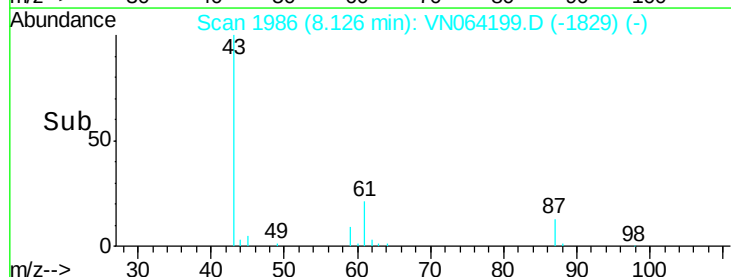
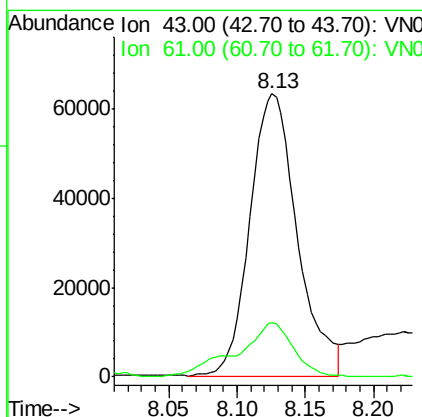
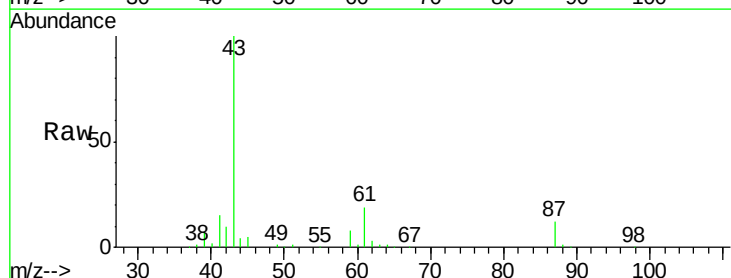
Acq: 20 Oct 2020 16:43

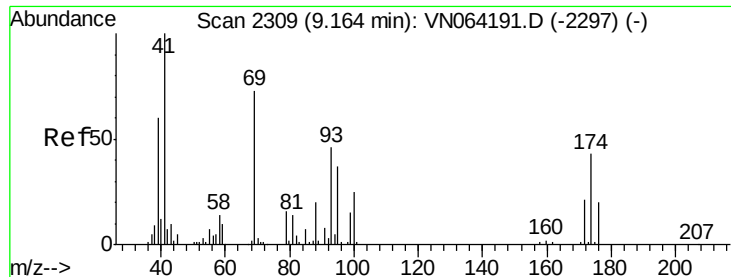
Tgt Ion: 43 Resp: 152415

Ion Ratio Lower Upper

43 100

61 17.1 18.7 28.1#





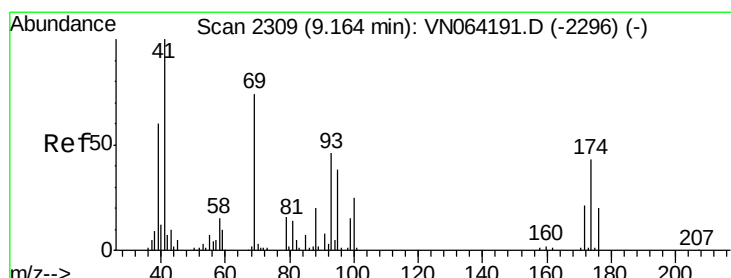
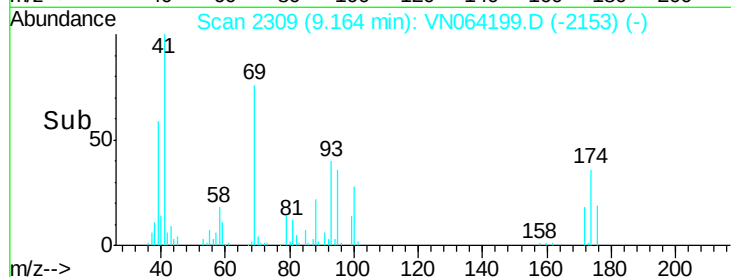
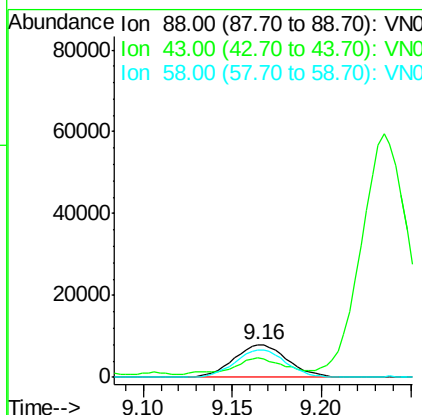
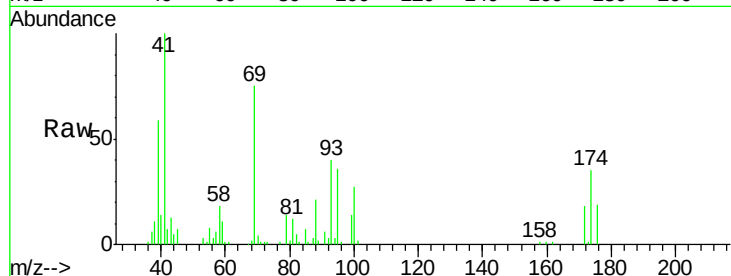
#45
1,4-Dioxane
Concen: 354.708 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.3	37.0	55.4
58	79.8	62.4	93.6

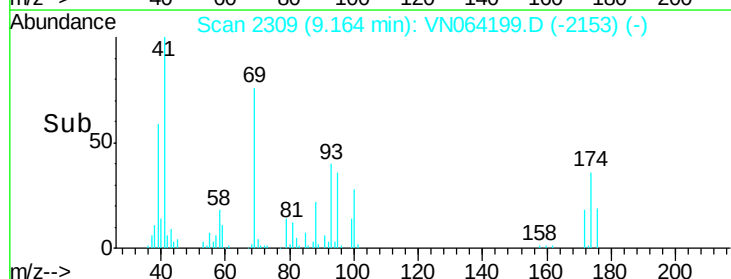
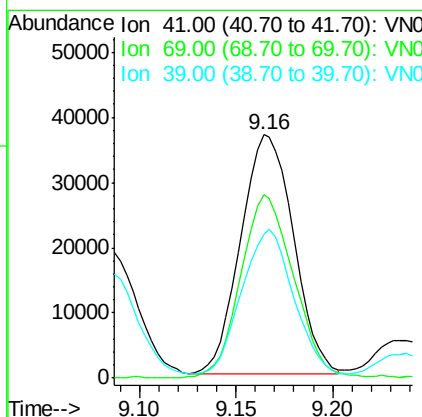
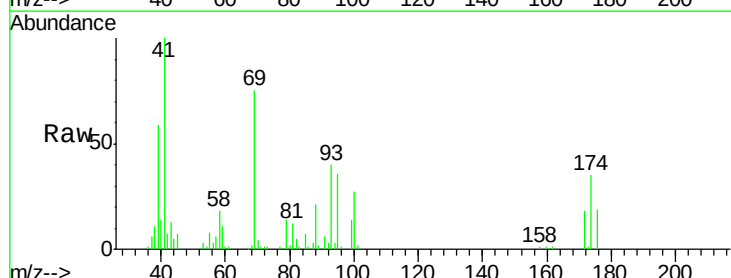
Manual Integrations
APPROVED

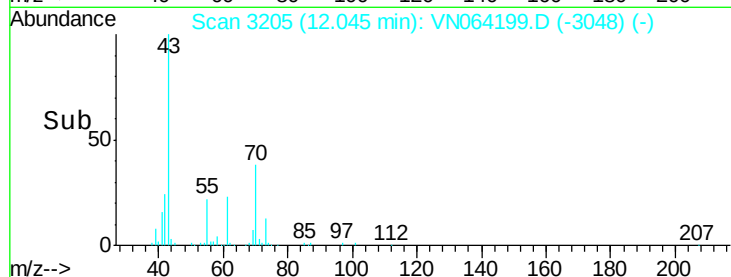
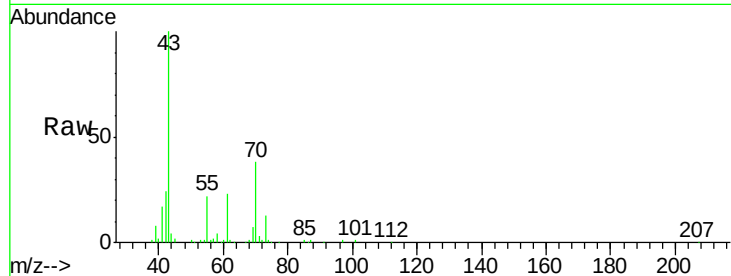
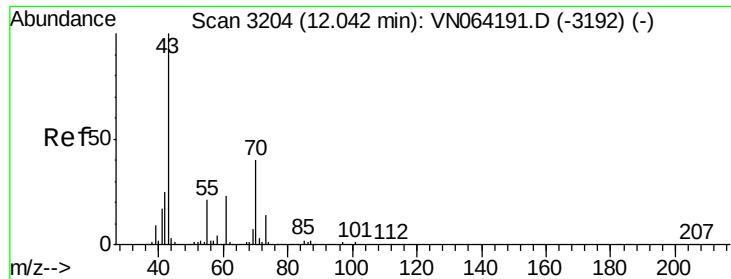
MMDadoda
10/23/2020 2:28:53 PM



#46
Methyl methacrylate
Concen: 18.196 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.1	36.8	110.4
39	58.4	30.4	91.2





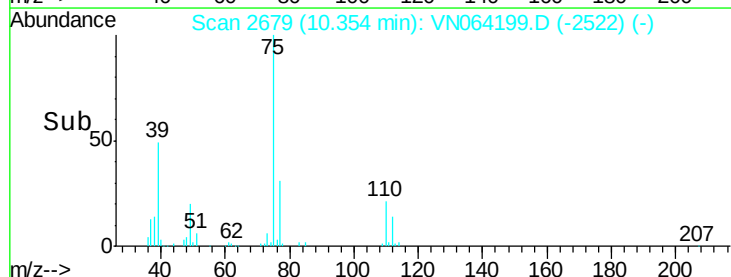
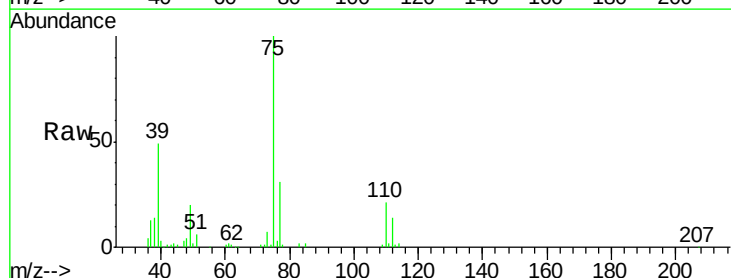
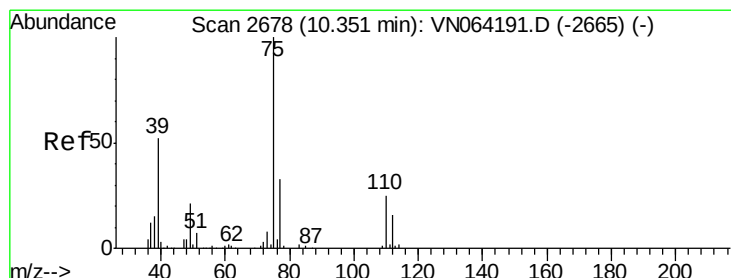
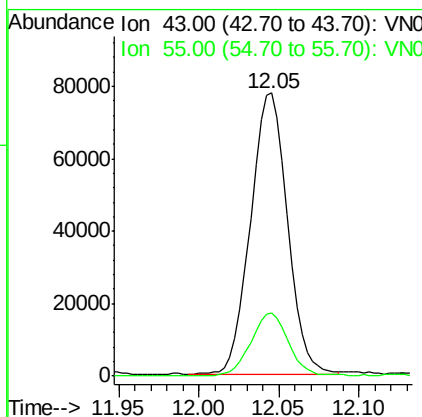
#47
n-amvl Acetate
Concen: 17.163 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tot Ion: 43 Resp: 123149
Ion Ratio Lower Upper
43 100
55 22.9 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

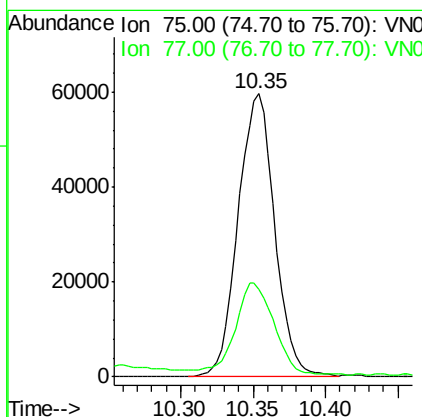
Manual Integrations
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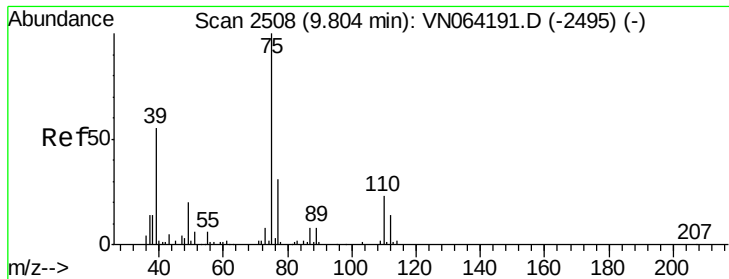
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 17.741 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 75 Resp: 104729
Ion Ratio Lower Upper
75 100
77 29.8 27.4 41.2





#49

cis-1,3-Dichloropropene

Concen: 17.959 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

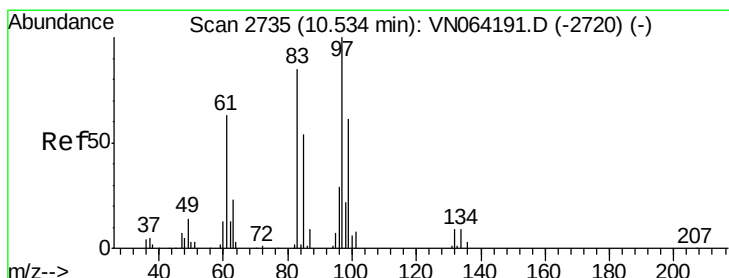
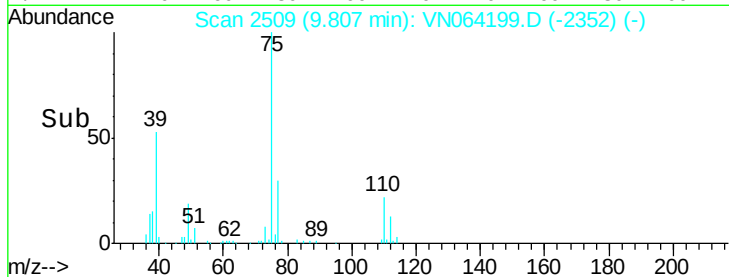
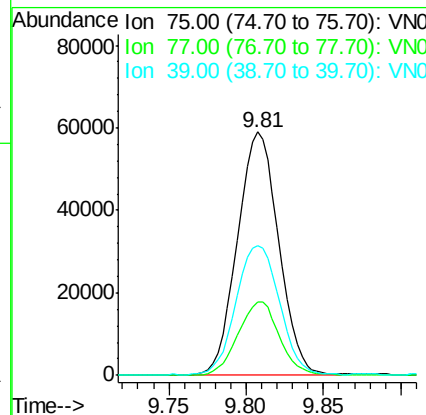
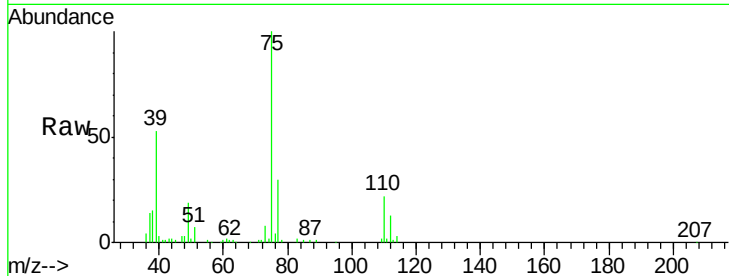
ClientSampleId :

VN1020WBS01

Tot Ion:	75	Resp:	109539
Ion Ratio		Lower	Upper
75	100		
77	30.4	24.5	36.7
39	53.1	43.8	65.8

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 18.071 ug/l

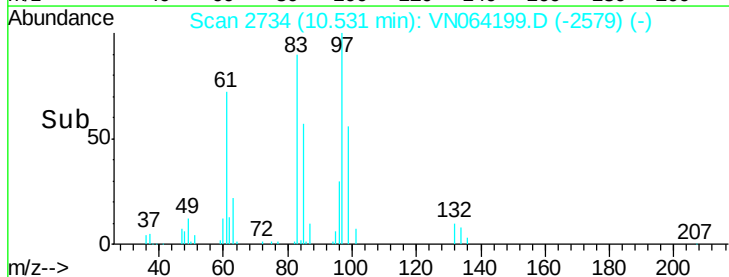
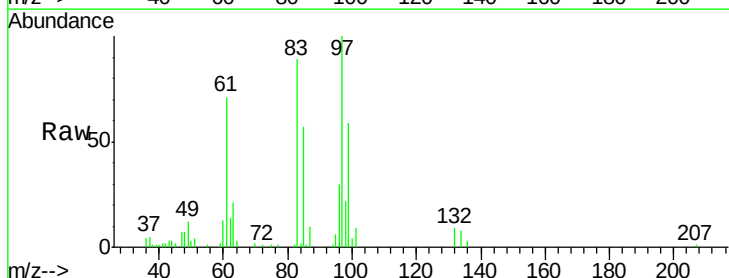
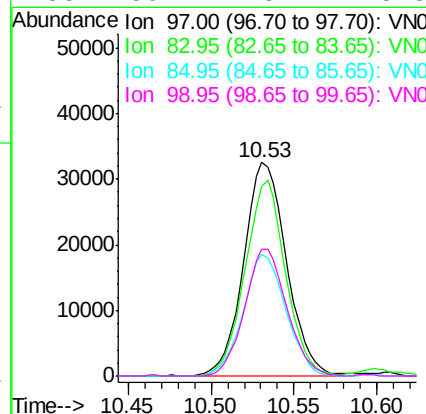
RT: 10.53 min Scan# 2734

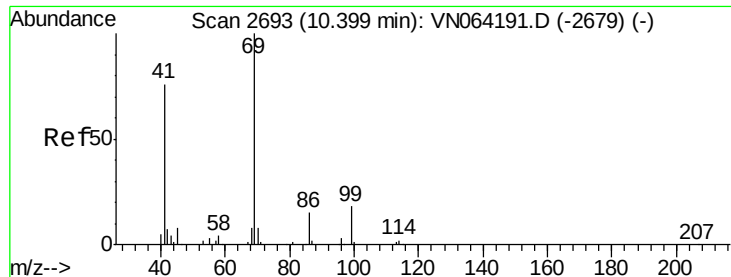
Delta R.T. -0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Tgt Ion:	97	Resp:	58554
Ion Ratio		Lower	Upper
97	100		
83	88.8	67.7	101.5
85	56.9	43.2	64.8
99	59.1	49.2	73.8





#51

Ethyl methacrylate

Concen: 17.319 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

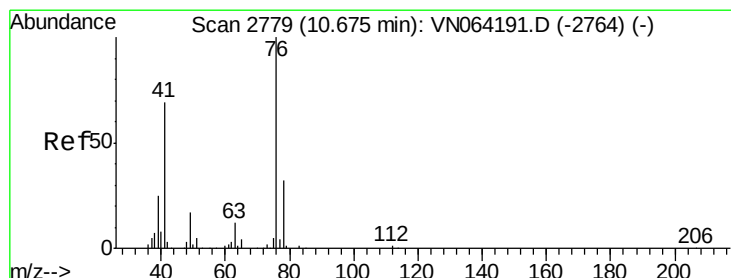
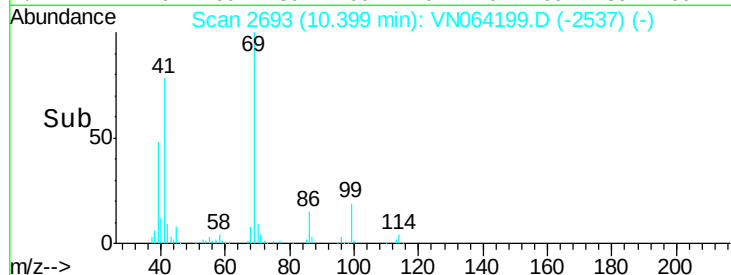
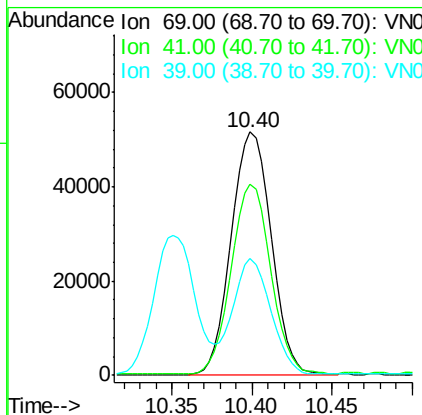
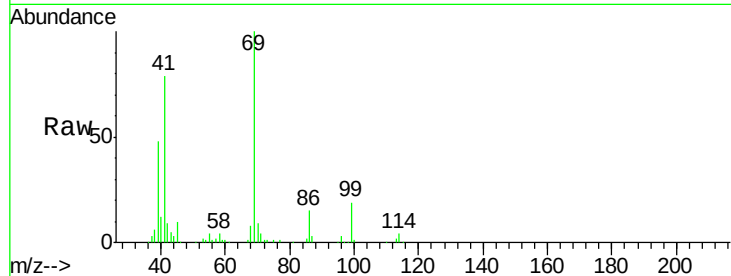
ClientSampleId :

VN1020WBS01

Tot Ion:	69	Resp:	88739
Ion	Ratio	Lower	Upper
69	100		
41	78.0	38.0	114.1
39	47.1	21.4	64.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.610 ug/l

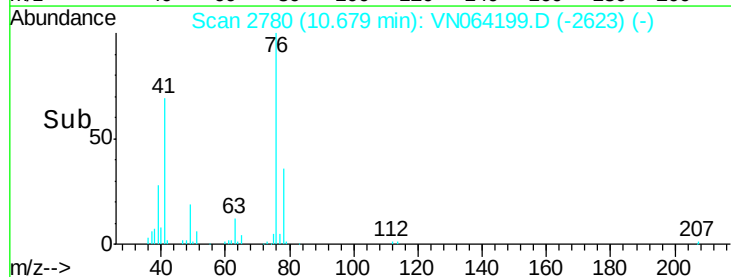
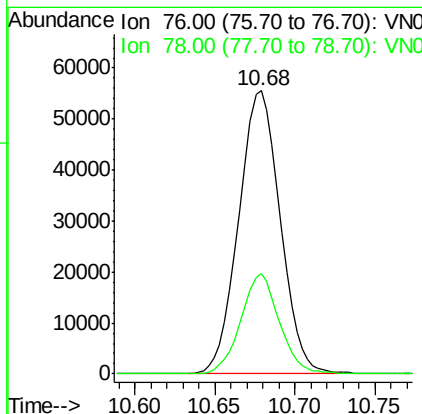
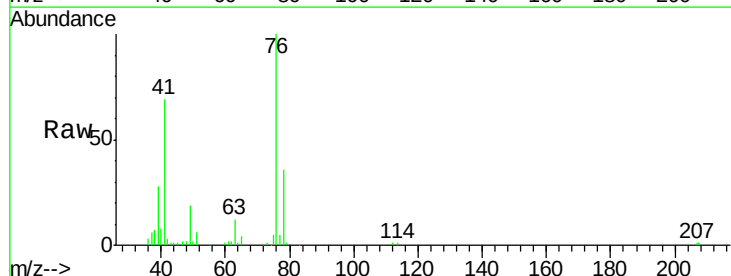
RT: 10.68 min Scan# 2780

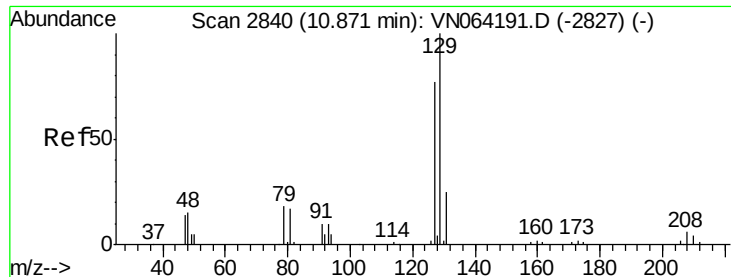
Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Tgt Ion:	76	Resp:	98375
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.4





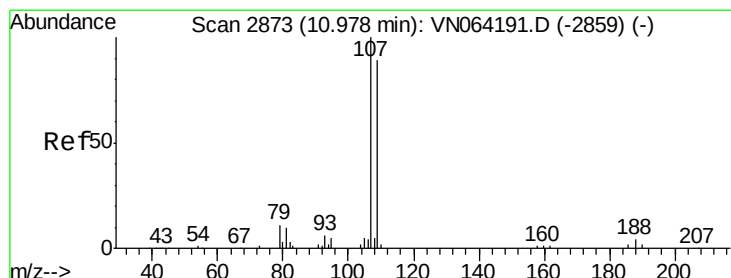
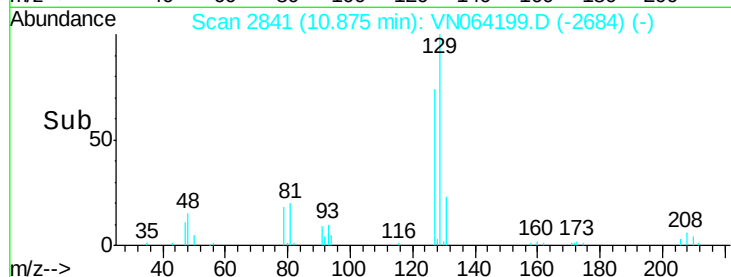
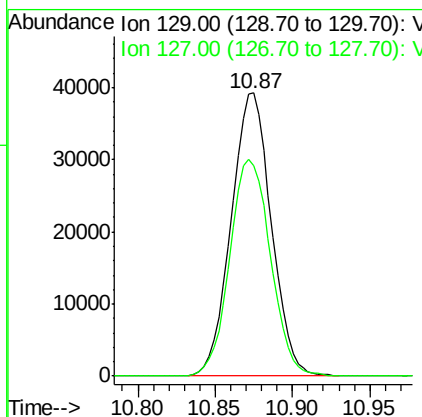
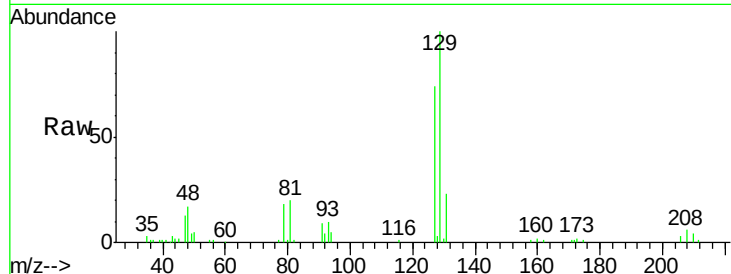
#53
Dibromochloromethane
Concen: 17.318 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion:129 Resp: 70625
Ion Ratio Lower Upper
129 100
127 77.9 39.0 117.0

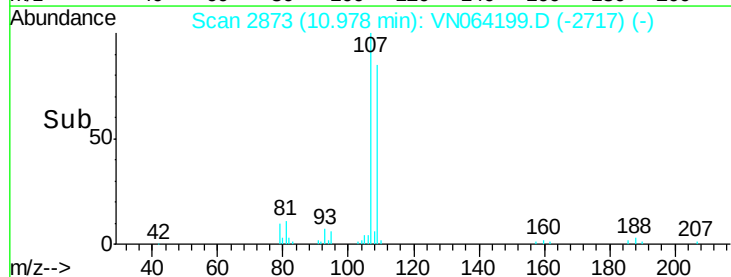
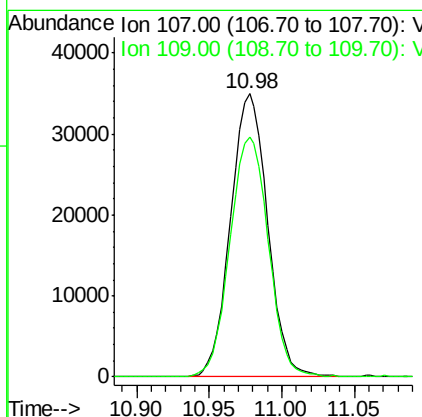
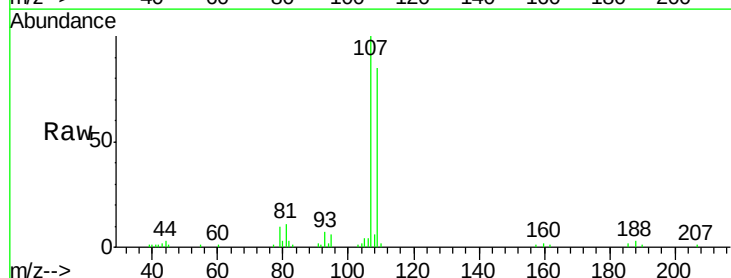
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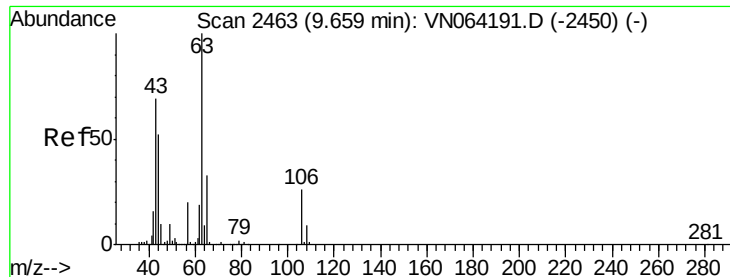
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#54
1,2-Dibromoethane
Concen: 18.075 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion:107 Resp: 62253
Ion Ratio Lower Upper
107 100
109 87.6 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 93.666 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

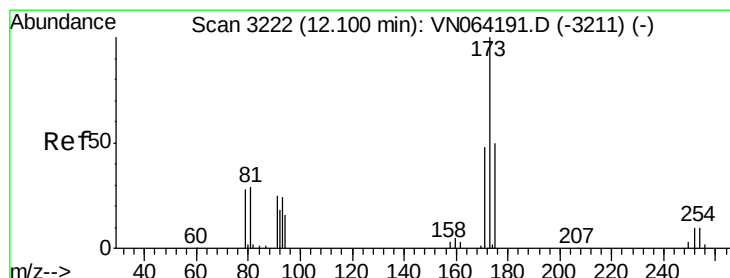
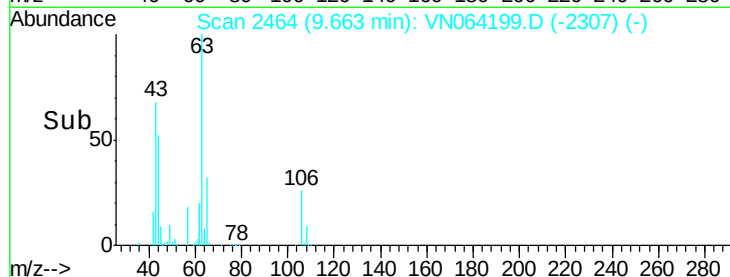
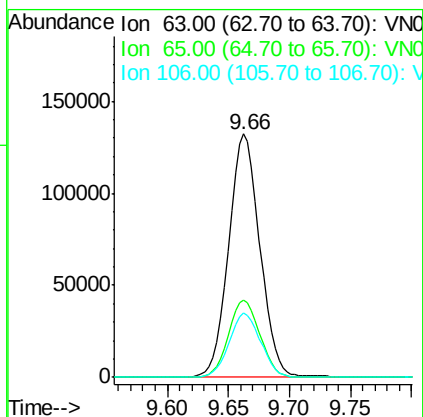
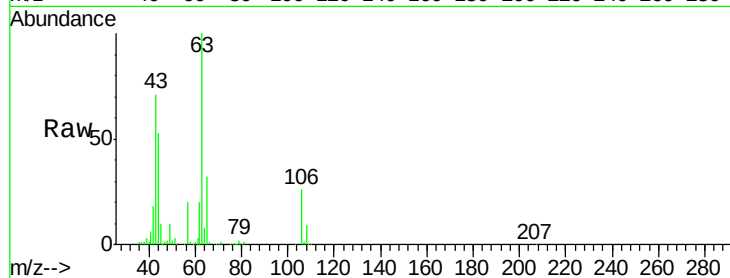
VN1020WBS01

Tot Ion: 63 Resp: 235871
Ion Ratio Lower Upper

63	100		
65	32.1	25.9	38.9
106	26.6	21.4	32.2

Manual Integrations
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#56

Bromoform

Concen: 16.614 ug/l

RT: 12.10 min Scan# 3222

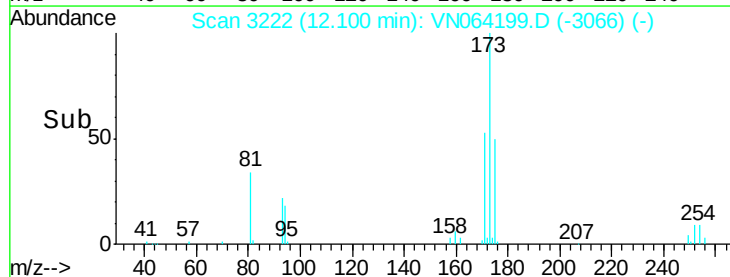
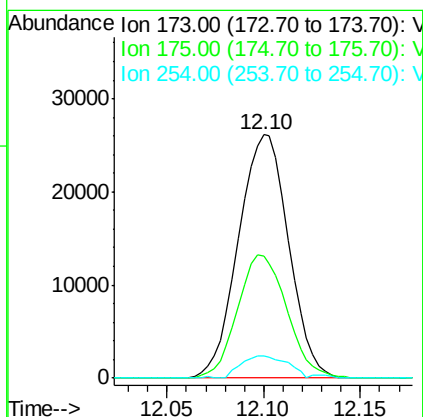
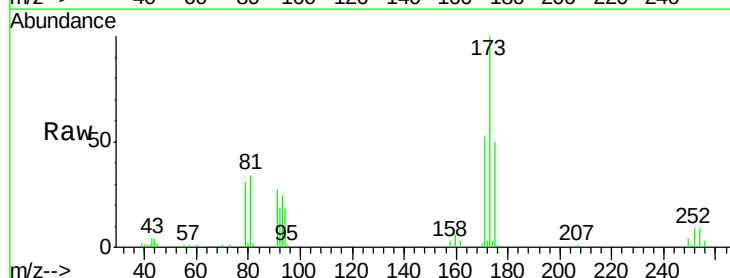
Delta R.T. 0.00 min

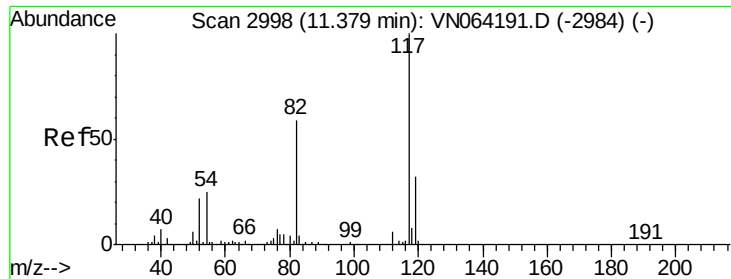
Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Tgt Ion: 173 Resp: 47186
Ion Ratio Lower Upper

173	100		
175	49.7	39.0	58.4
254	8.4	6.8	10.2





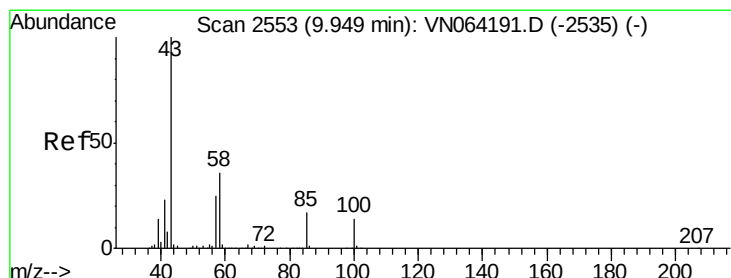
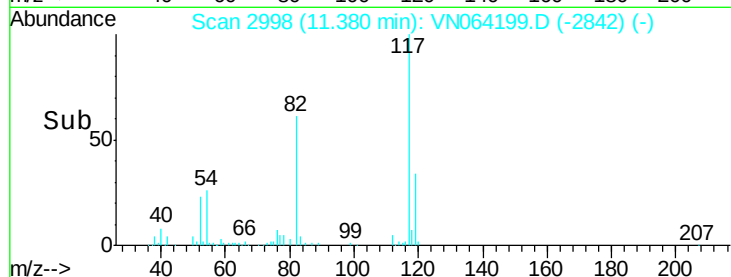
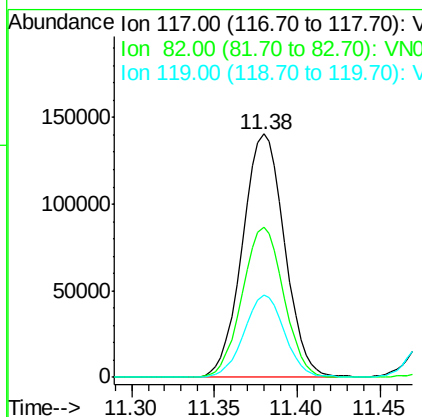
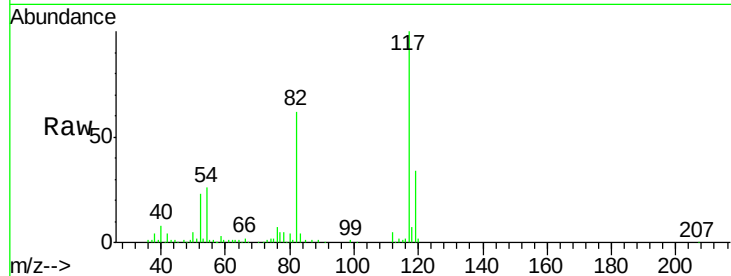
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion:	117	Resp:	248390
Ion Ratio	Lower	Upper	
117	100		
82	60.7	47.8	71.8
119	32.6	25.7	38.5

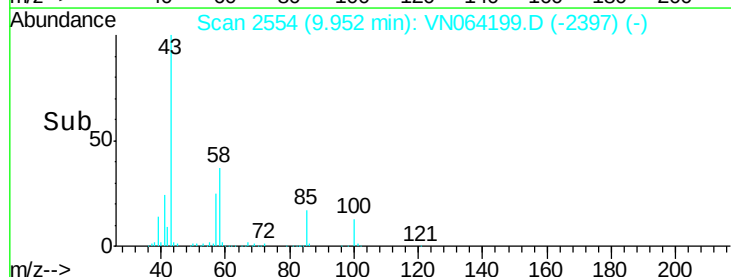
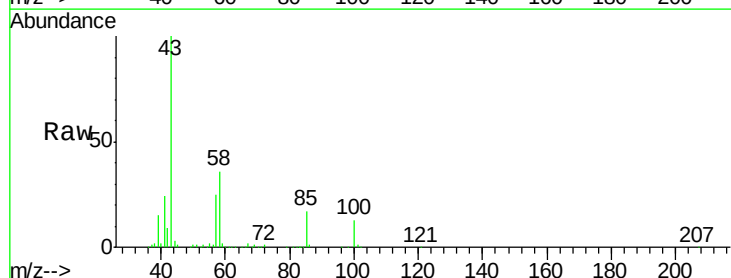
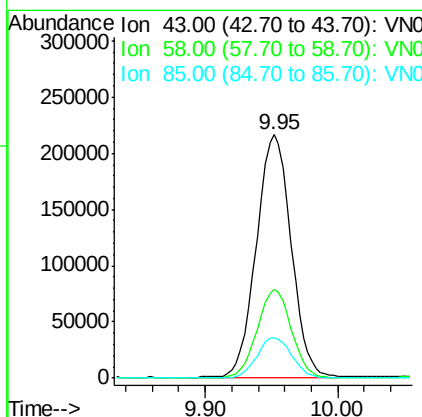
Manual Integrations
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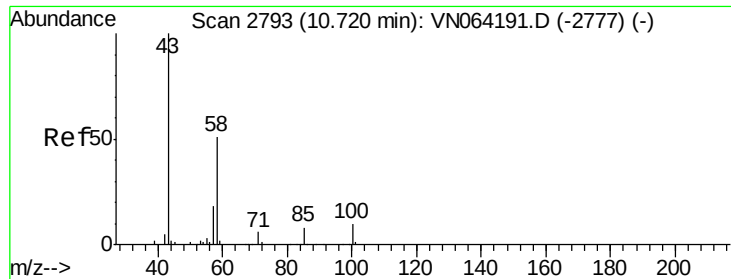
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 93.350 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion:	43	Resp:	392922
Ion Ratio	Lower	Upper	
43	100		
58	36.3	29.5	44.3
85	16.8	13.7	20.5





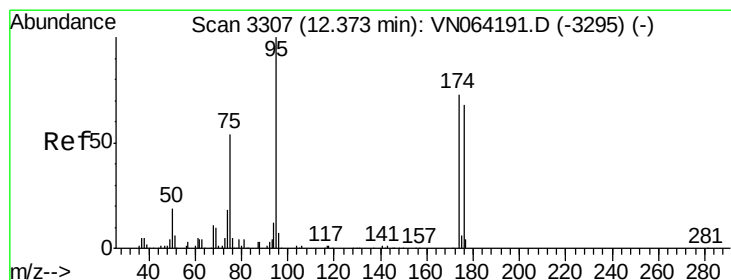
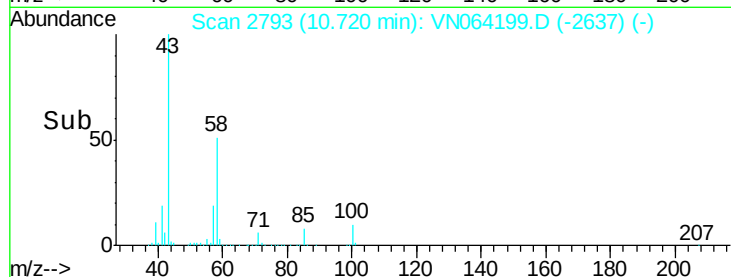
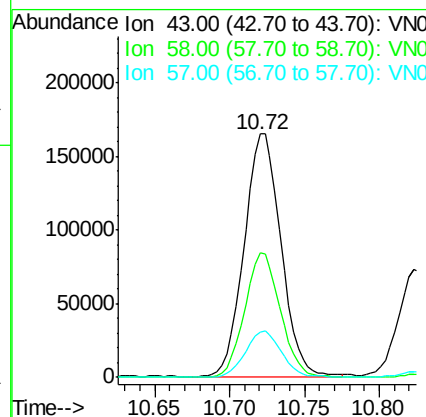
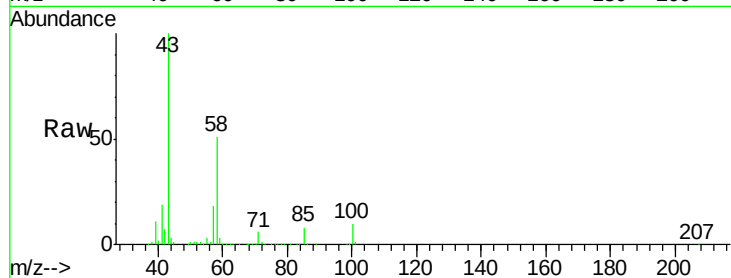
#59
2-Hexanone
Concen: 90.008 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	40.2	60.4
57	18.8	14.8	22.2

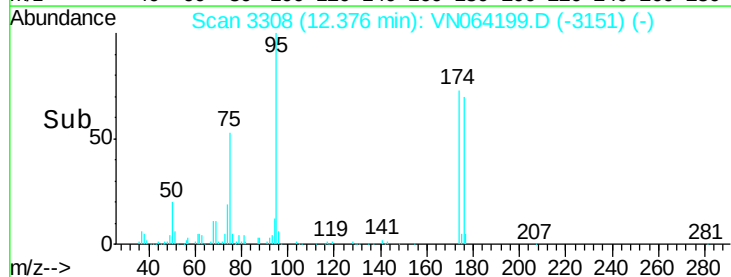
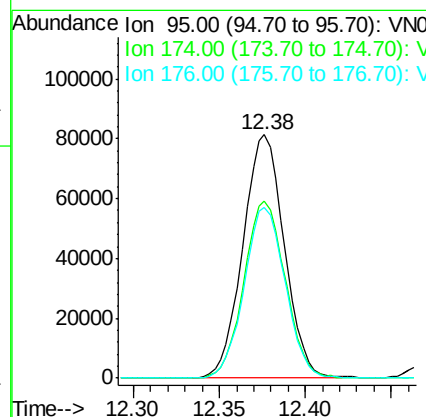
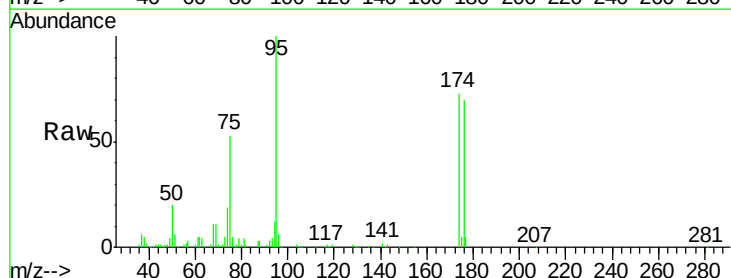
Manual Integrations
APPROVED

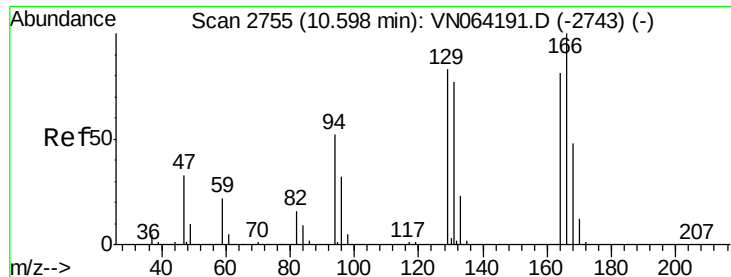
MMDadoda
10/23/2020 2:28:53 PM



#60
4-Bromofluorobenzene
Concen: 30.478 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.6	57.6	86.4
176	69.6	54.9	82.3





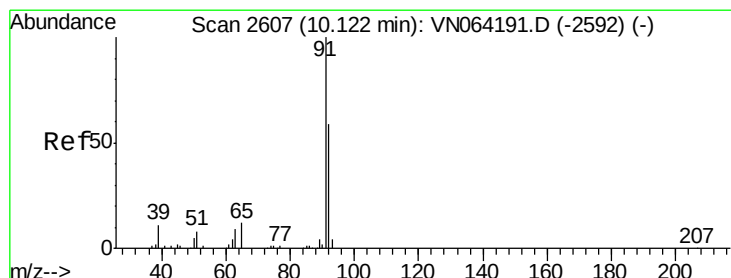
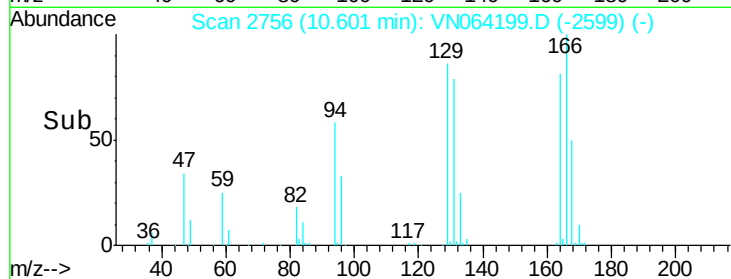
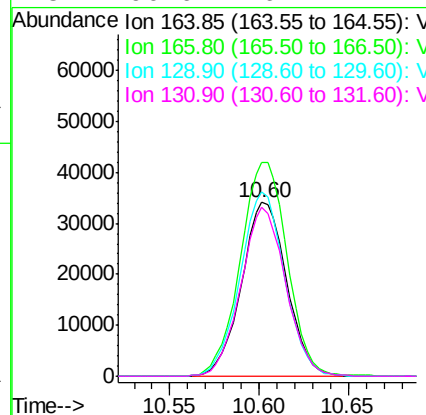
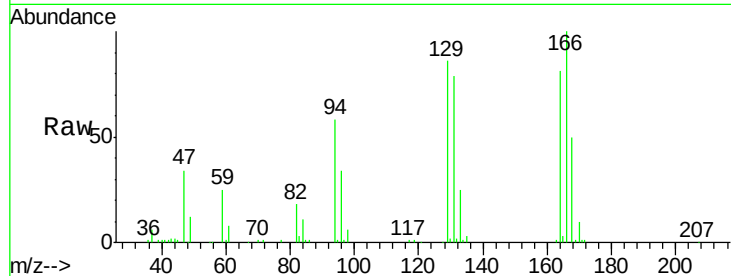
#61
Tetrachloroethene
Concen: 17.930 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.4	99.2	148.8
129	105.5	82.8	124.2
131	96.6	76.2	114.4

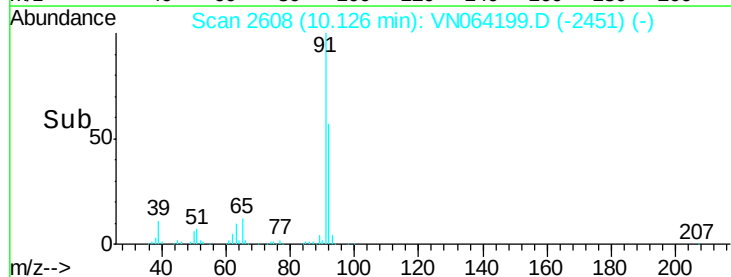
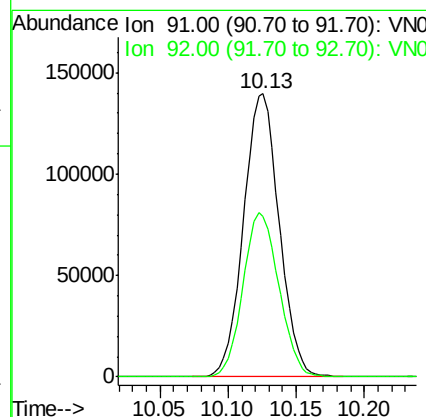
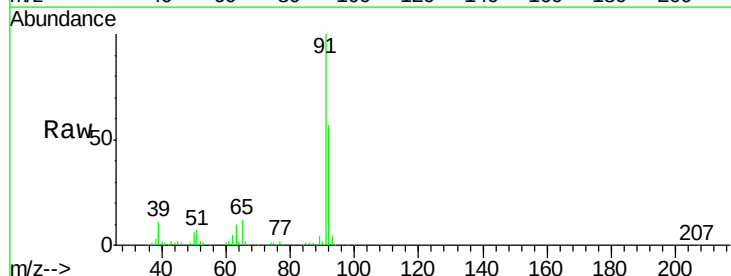
Manual Integrations
APPROVED

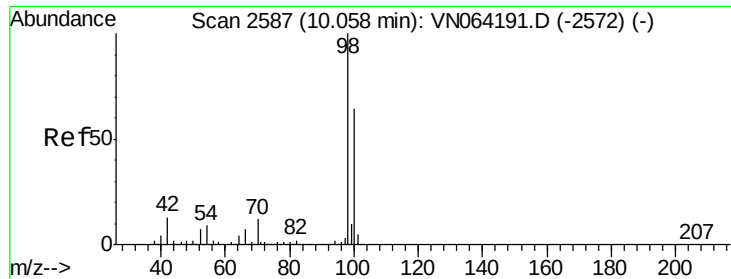
MMDadoda
10/23/2020 2:28:53 PM



#62
Toluene
Concen: 17.842 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.4	46.8	70.2





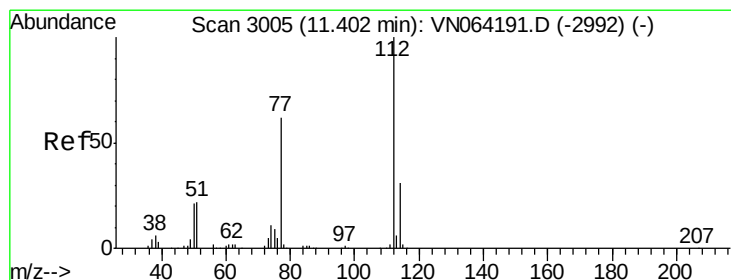
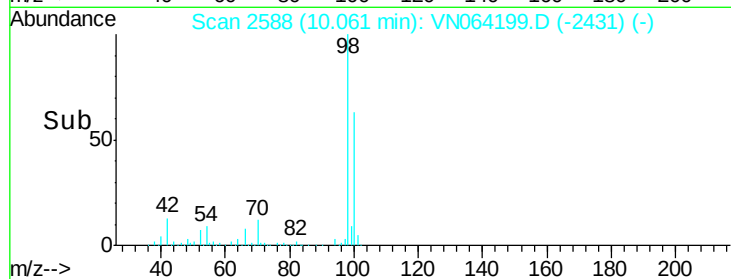
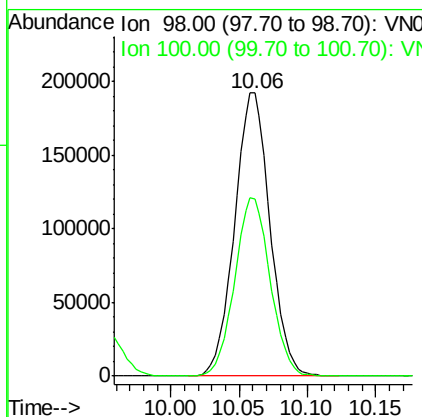
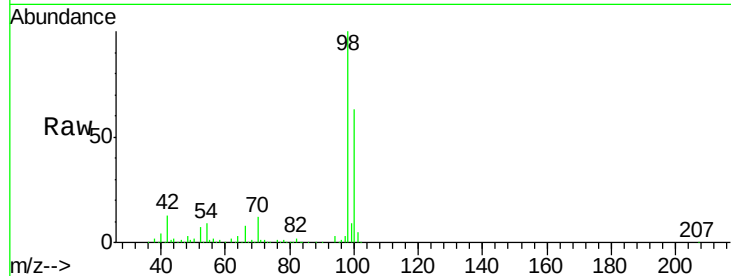
#63
Toluene-d8
Concen: 30.787 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion: 98 Resp: 346214
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.2

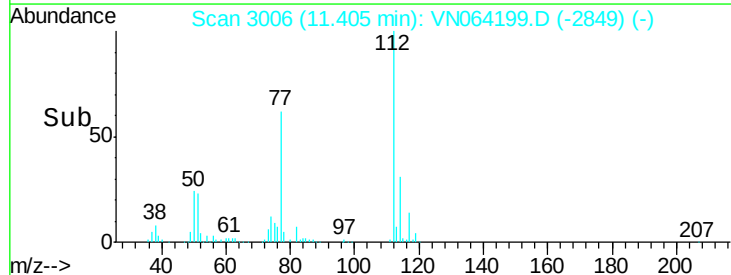
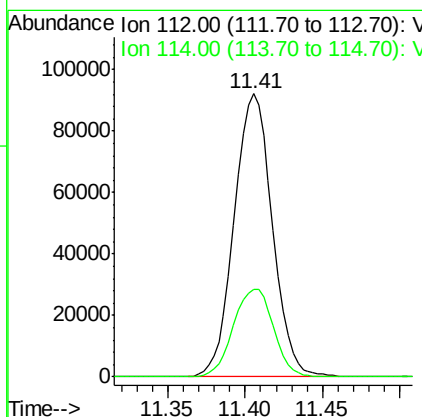
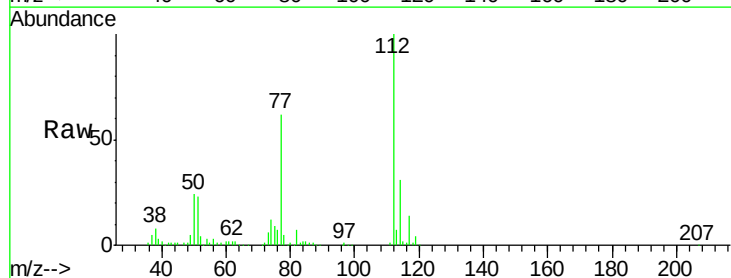
Manual Integrations
APPROVED

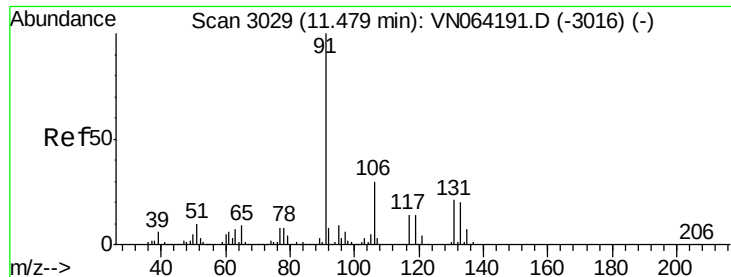
MMDadoda
10/23/2020 2:28:53 PM



#64
Chlorobenzene
Concen: 17.889 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 112 Resp: 158194
Ion Ratio Lower Upper
112 100
114 31.1 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 17.699 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

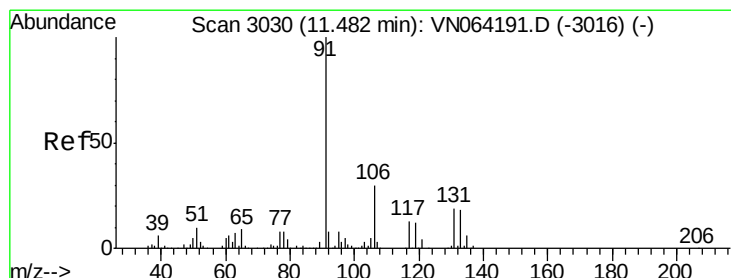
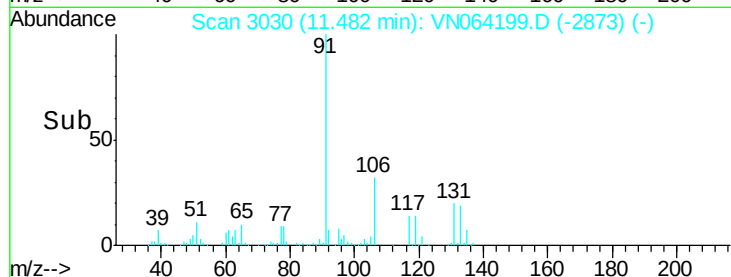
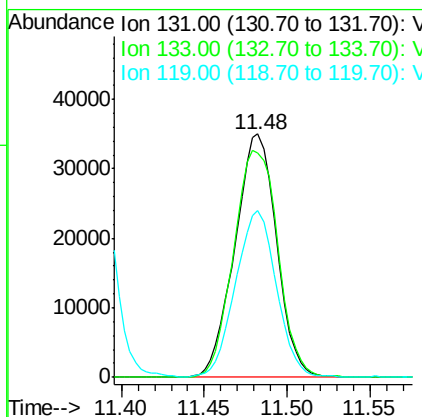
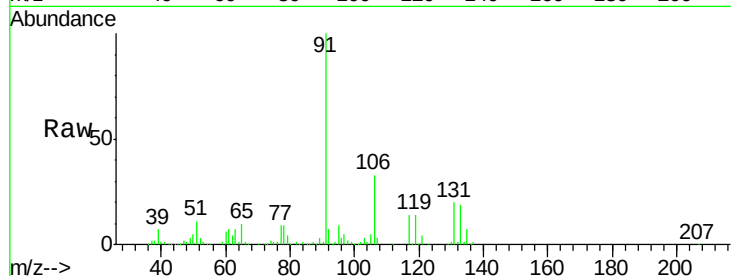
ClientSampleId :

VN1020WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	61323		
133	98.9	0.0	193.0	
119	67.2	0.0	132.2	

Manual Integrations
APPROVED

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#66

Ethyl Benzene

Concen: 17.799 ug/l

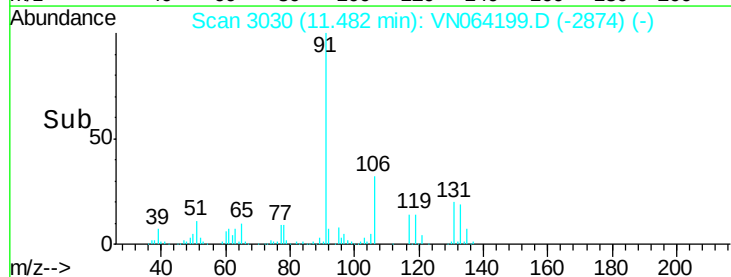
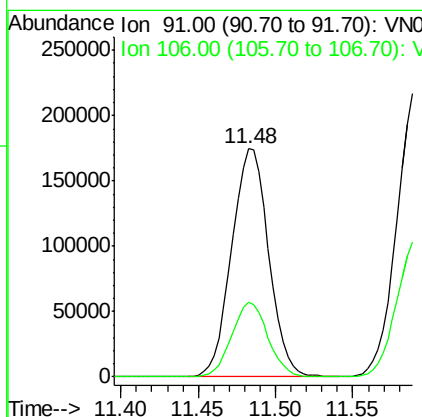
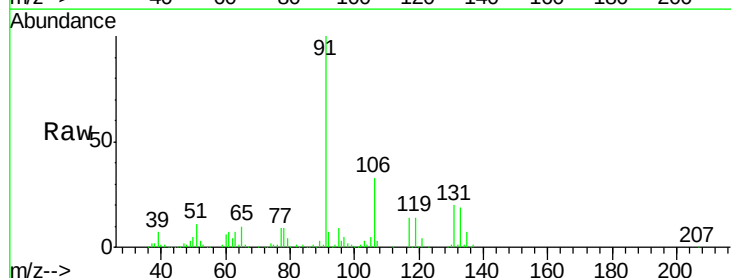
RT: 11.48 min Scan# 3030

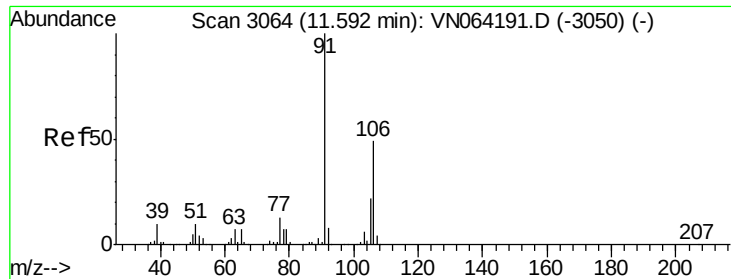
Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	290591		
106	32.7	23.9	35.9	





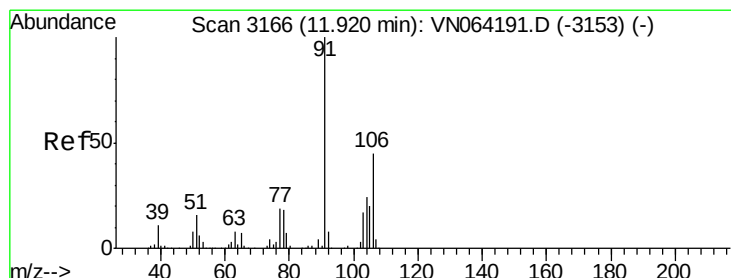
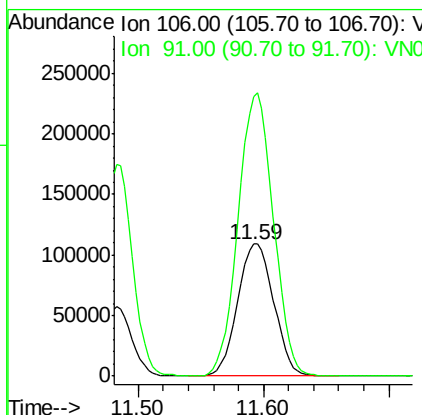
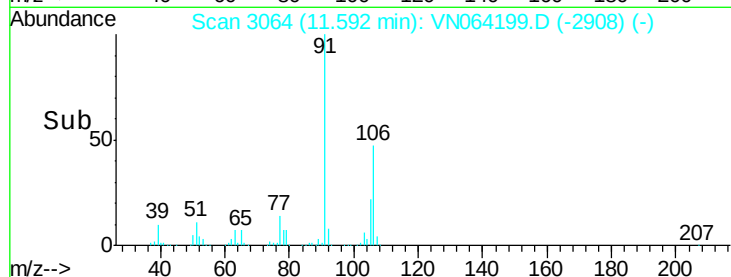
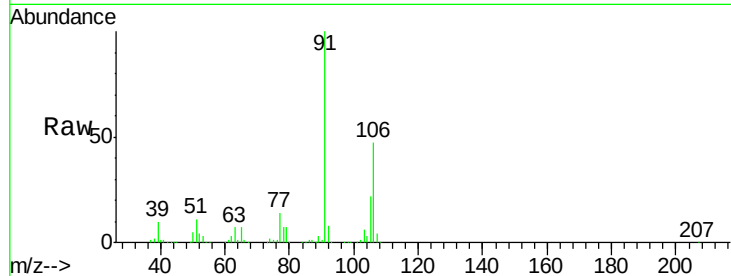
#67
m/p-Xylenes
Concen: 35.946 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		218254		
91	208.3	167.9	251.9		

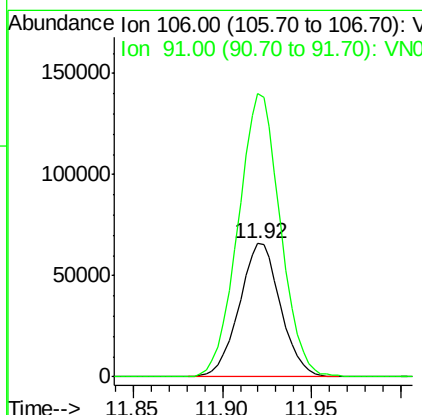
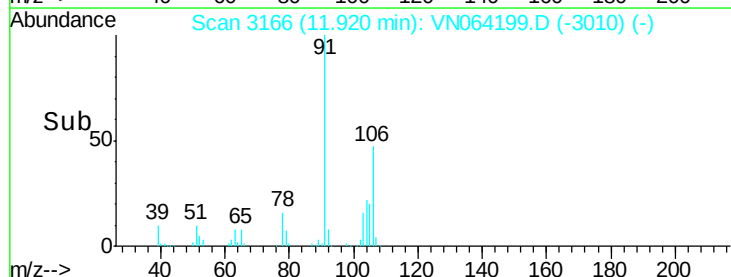
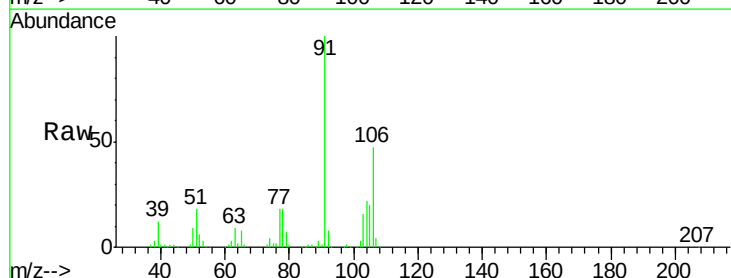
Manual Integrations
APPROVED

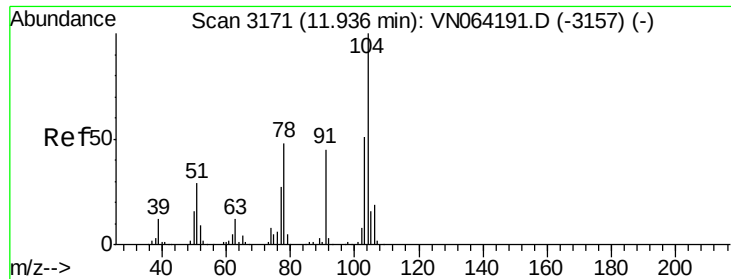
MMDadoda
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#68
o-Xylene
Concen: 18.019 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		106166		
91	217.8	113.9	341.7		





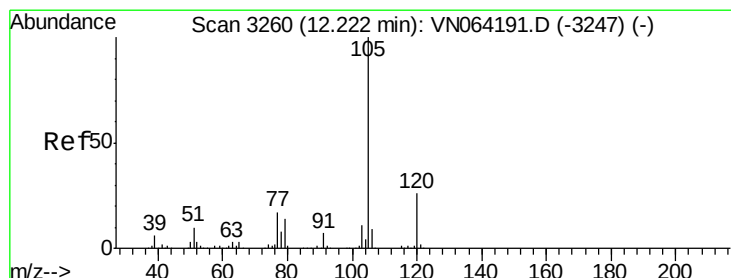
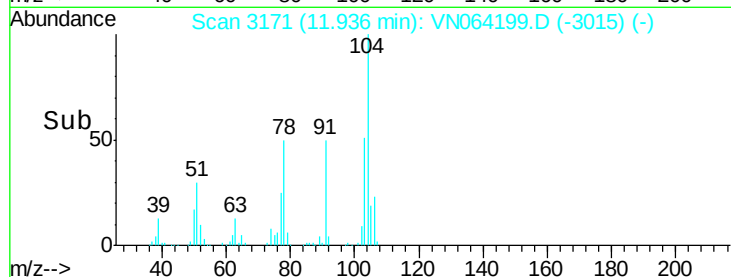
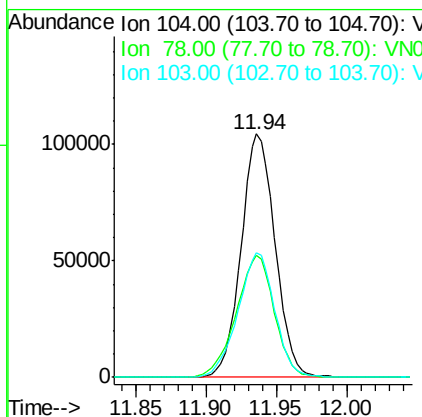
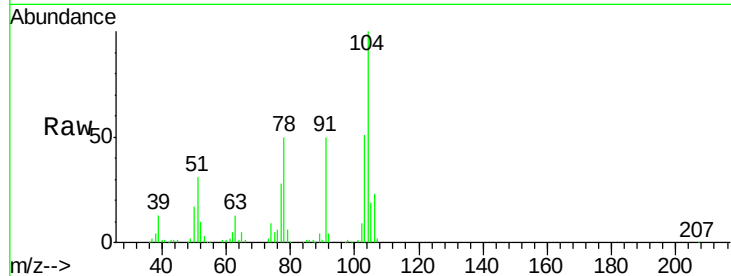
#69
Stvrene
Concen: 17.770 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	177130		
78	55.9		43.6	65.4
103	55.2		44.8	67.2

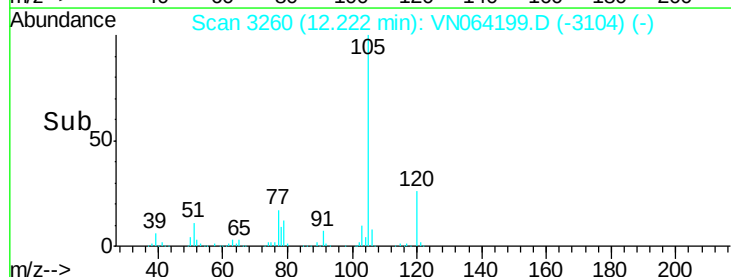
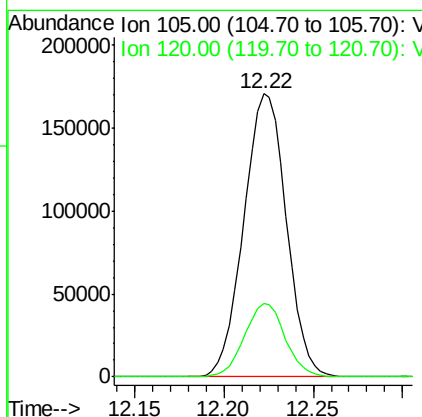
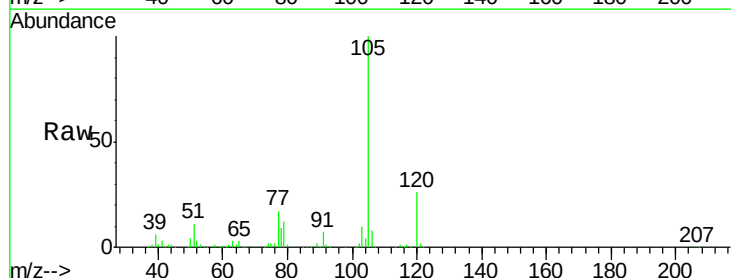
Manual Integrations
APPROVED

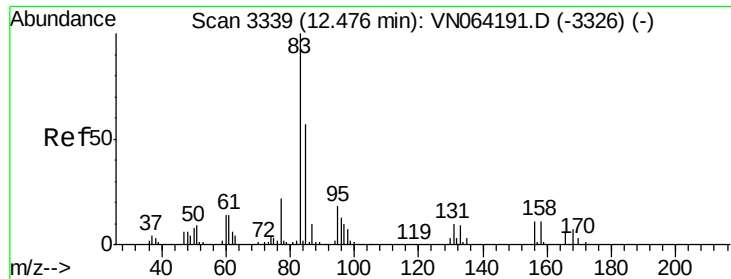
MMDadoda
10/23/2020 2:28:53 PM



#70
Isopropylbenzene
Concen: 18.236 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283761		
120	24.8		18.1	33.7





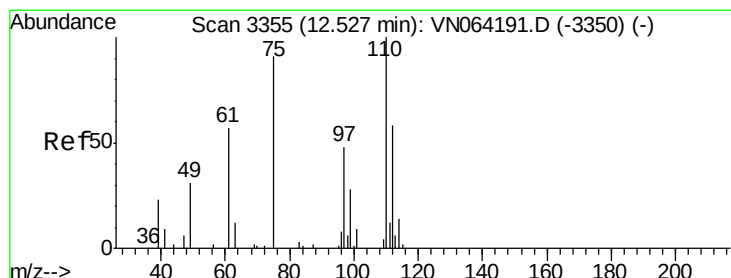
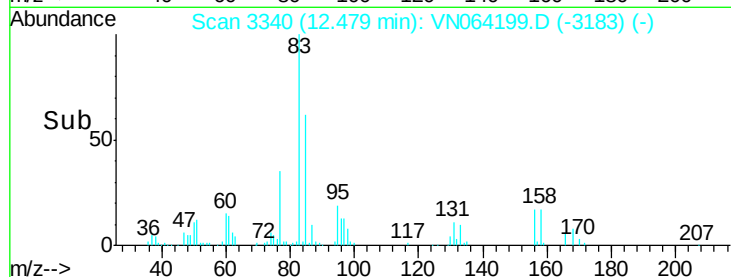
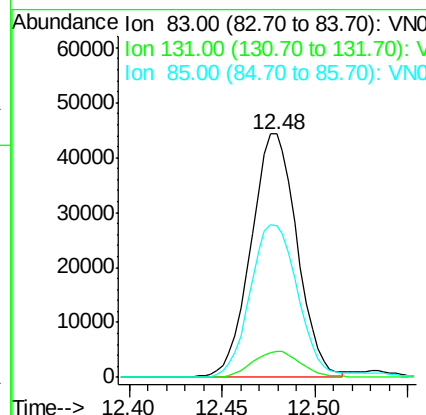
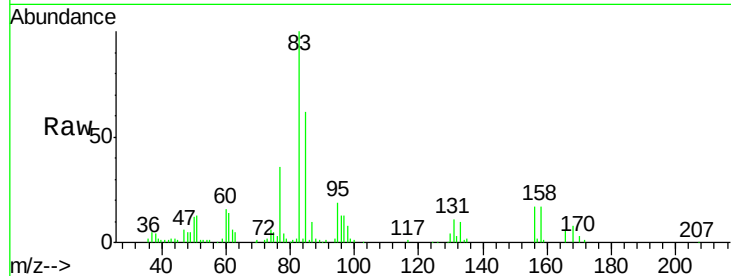
#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.928 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.6	30.8	92.4

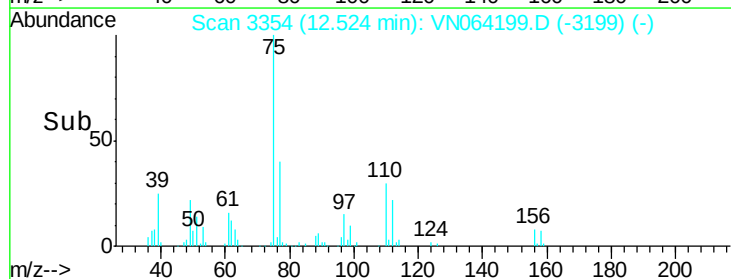
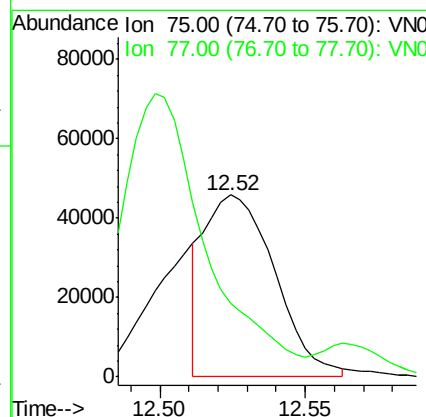
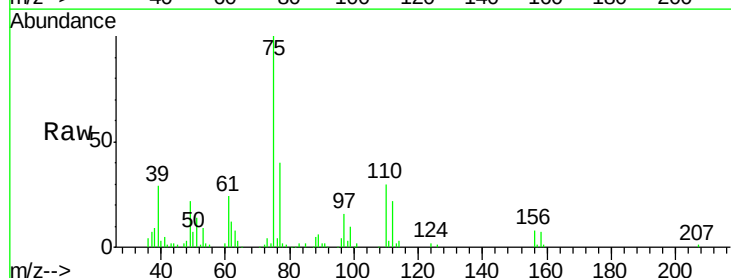
Manual Integrations
 APPROVED

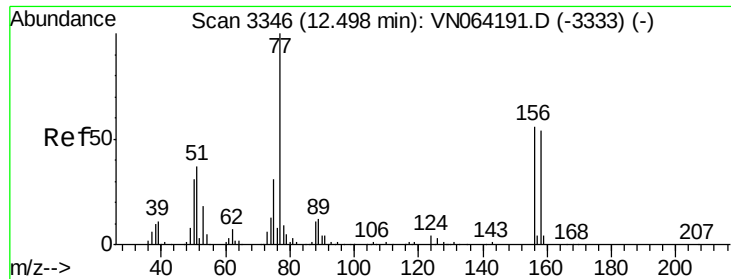
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#72
 1,2,3-Trichloropropane
 Concen: 17.241 ug/l m
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	191.2	0.0	417.6





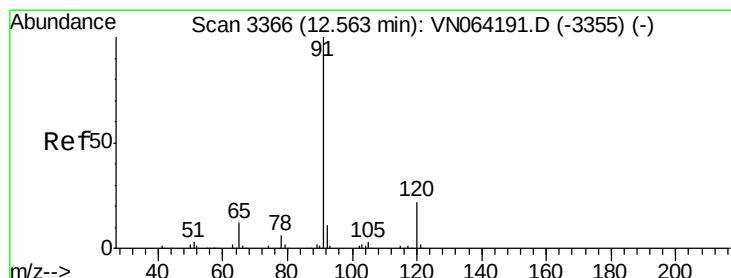
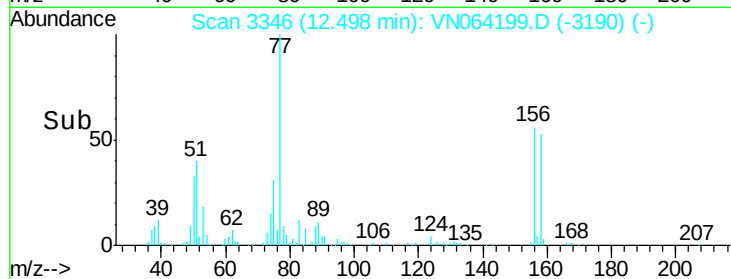
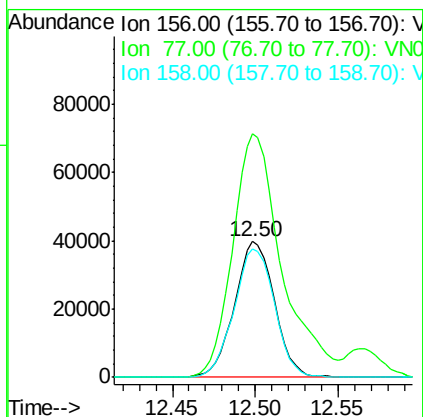
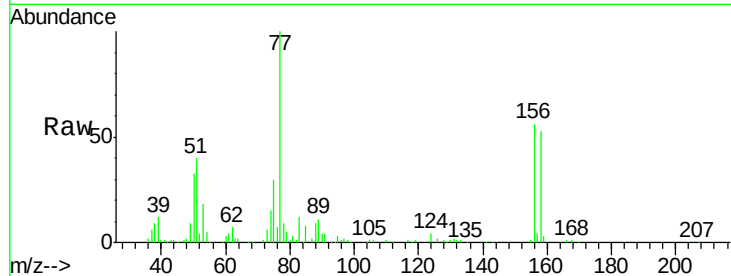
#73
Bromobenzene
Concen: 17.714 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.7	0.0	429.8
158	96.4	0.0	190.6

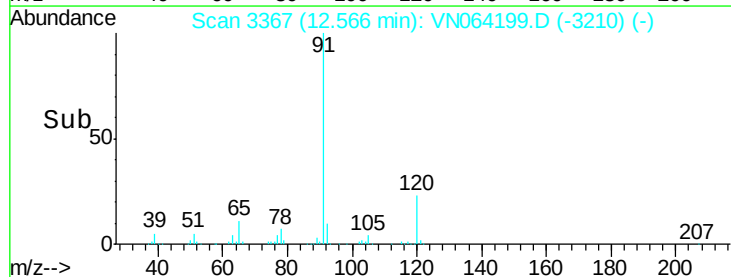
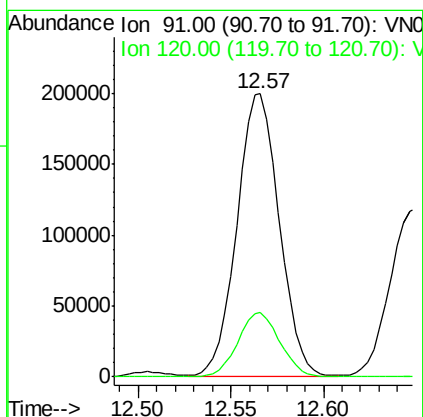
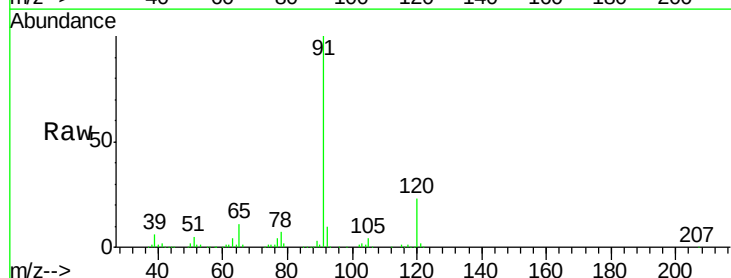
Manual Integrations
APPROVED

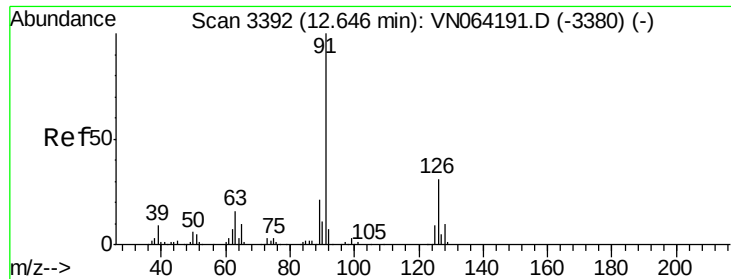
MMDadoda
10/23/2020 2:28:53 PM



#74
n-propylbenzene
Concen: 17.864 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	43.8





#75

2-Chlorotoluene

Concen: 18.169 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

VN1020WBS01

Tot Ion: 91 Resp: 199756

Ion Ratio Lower Upper

91 100

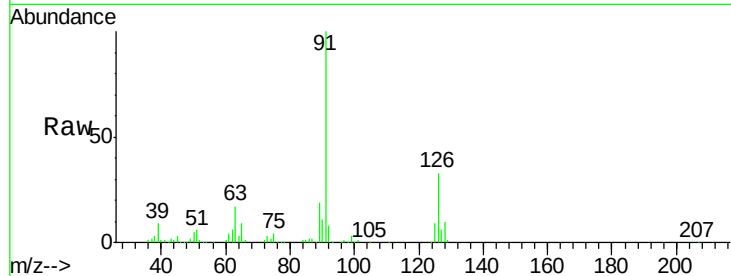
126 31.7 0.0 62.4

Manual Integrations

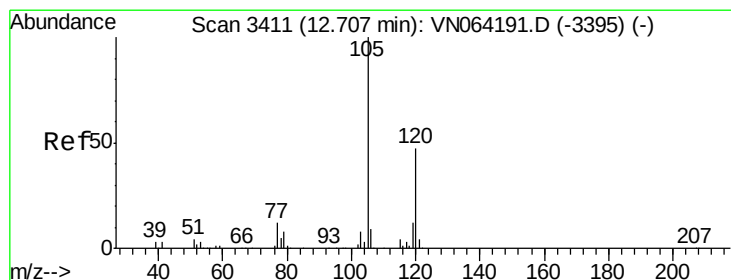
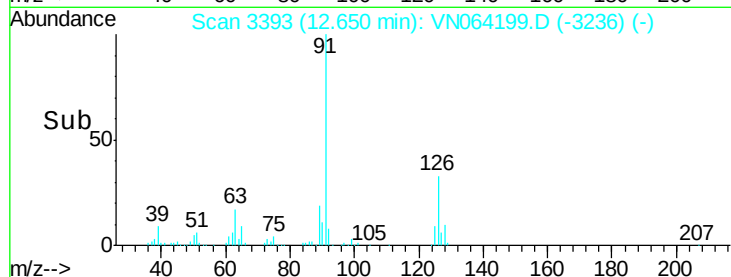
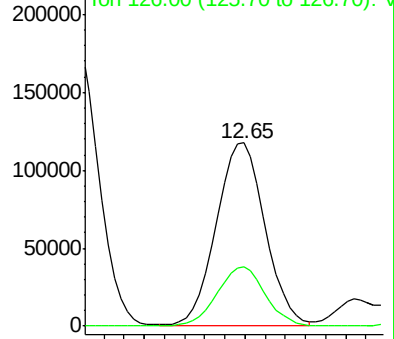
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN064199.D (-3393) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.134 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064199.D

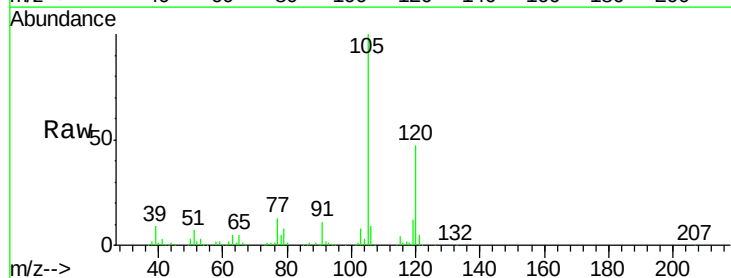
Acq: 20 Oct 2020 16:43

Tgt Ion: 105 Resp: 240111

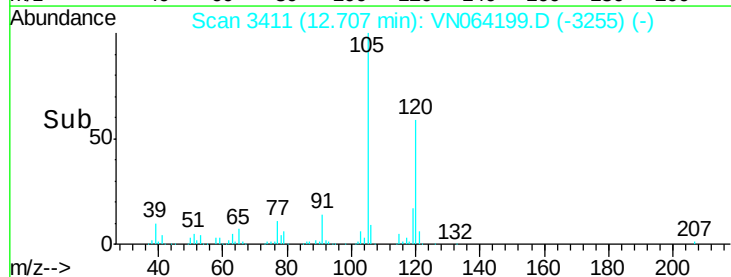
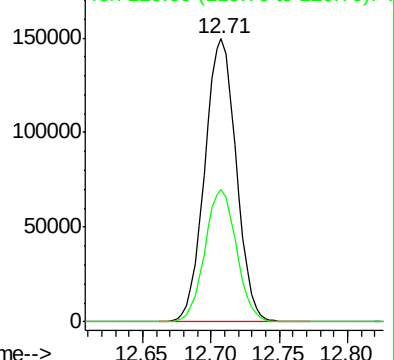
Ion Ratio Lower Upper

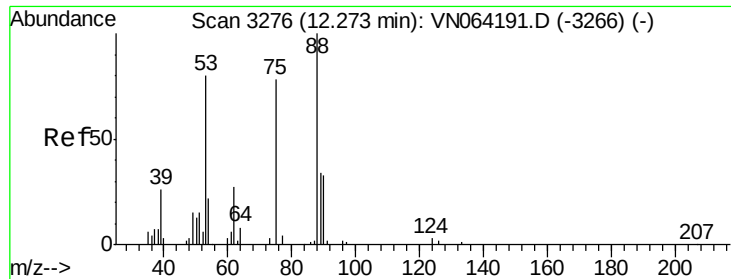
105 100

120 46.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064199.D (-3411) (-)





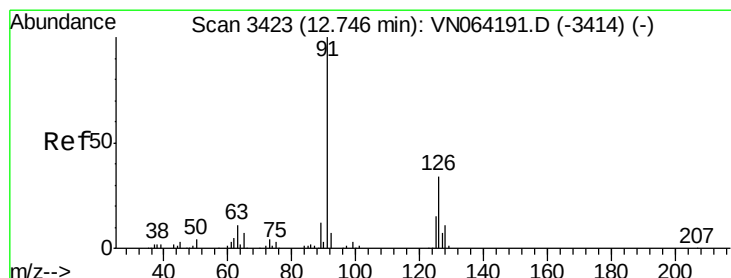
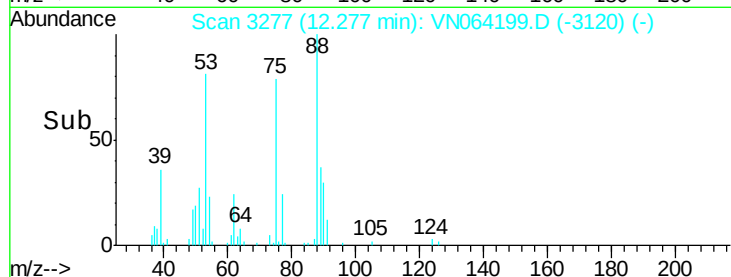
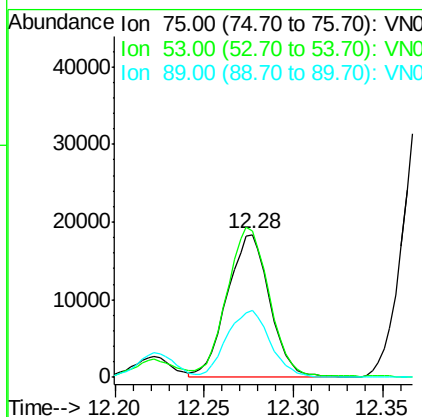
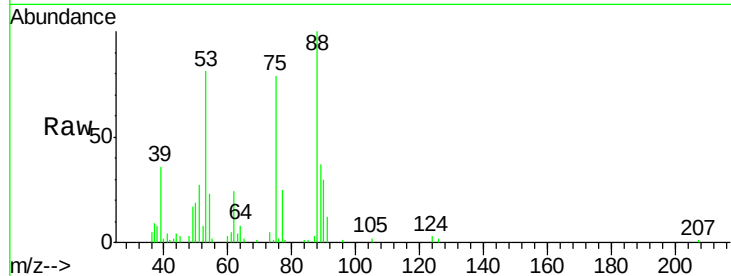
#77
t-1,4-Dichloro-2-butene
Concen: 17.596 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	51.4	154.2
89	46.4	23.8	71.5

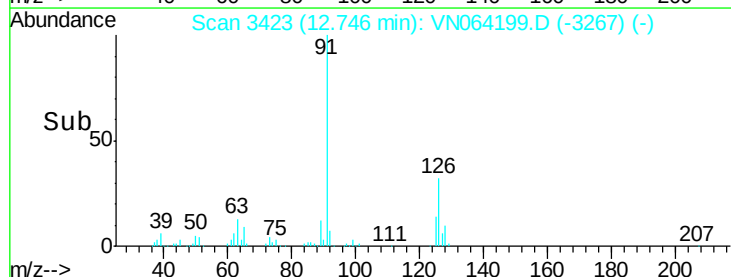
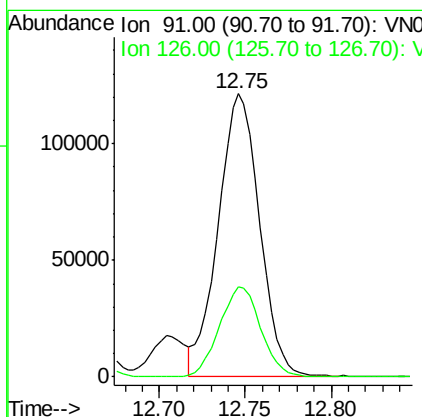
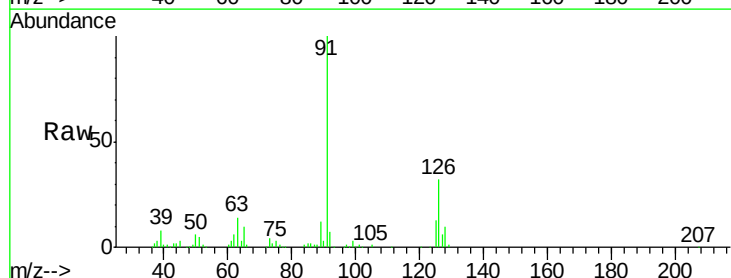
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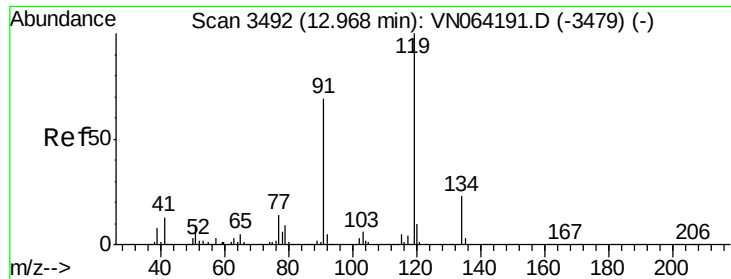
MMDadoda
10/23/2020 2:28:53 PM



#78
4-Chlorotoluene
Concen: 17.738 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	63.2





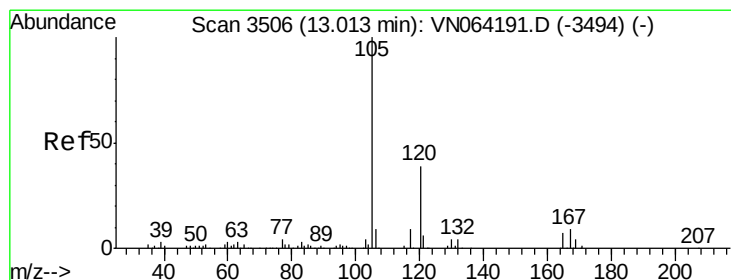
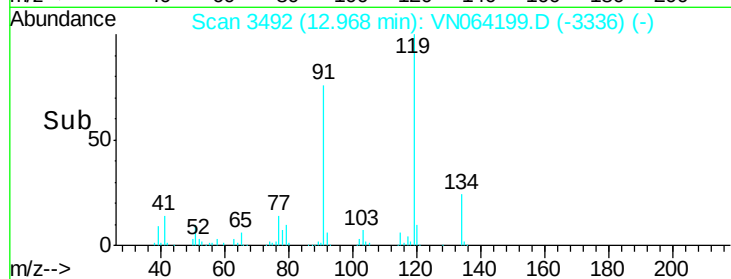
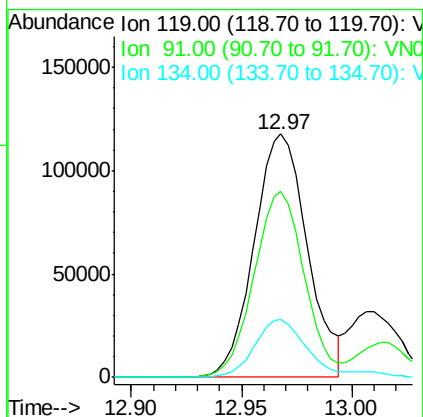
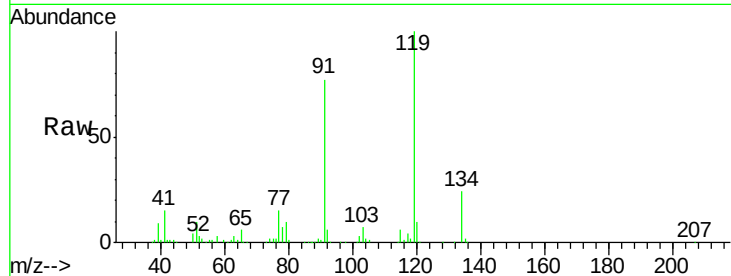
#79
tert-butylbenzene
Concen: 18.198 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	197000		
91	72.1	0.0	143.2	
134	22.8	0.0	49.2	

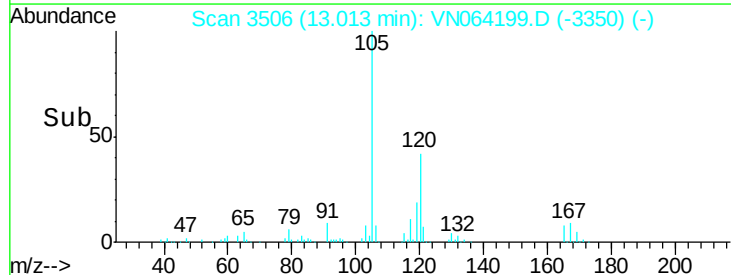
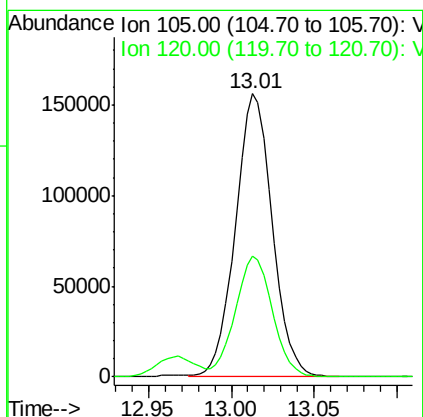
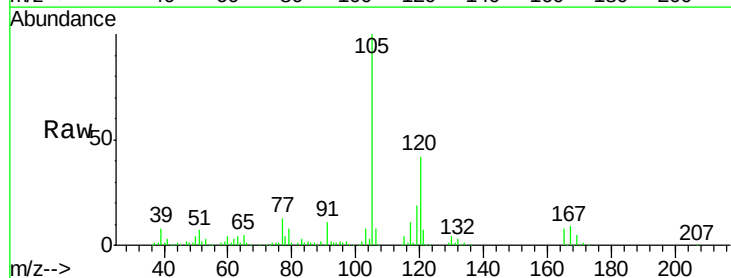
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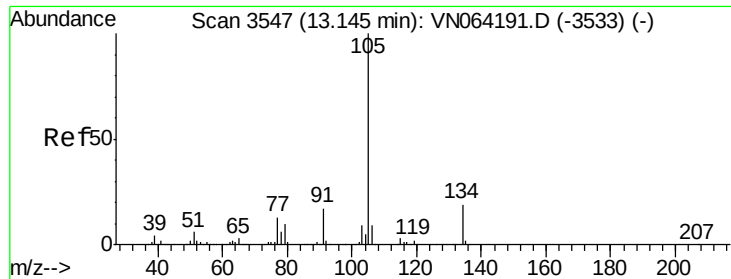
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#80
1,2,4-Trimethylbenzene
Concen: 17.903 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	240644		
120	42.9	0.0	85.8	





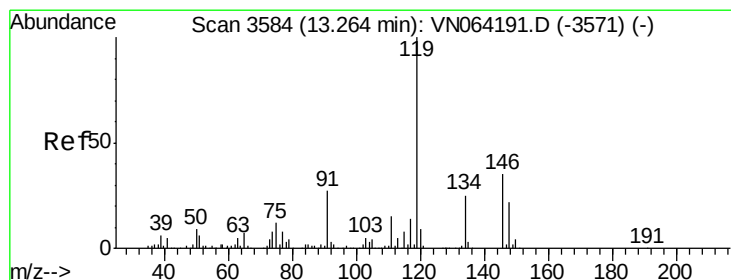
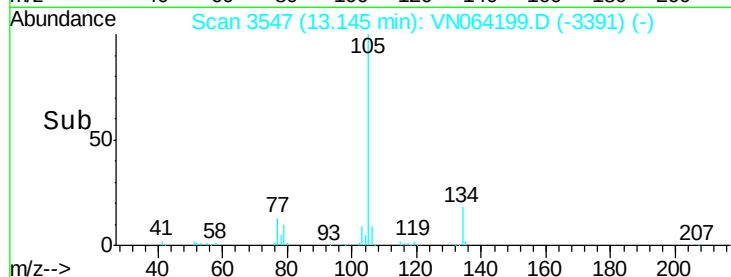
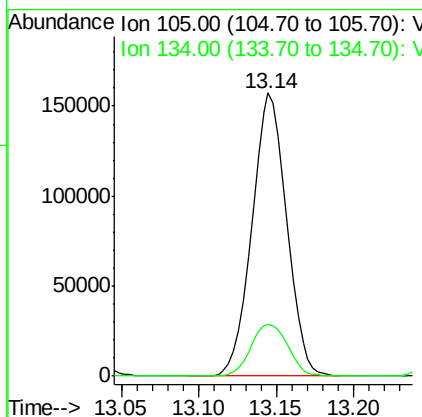
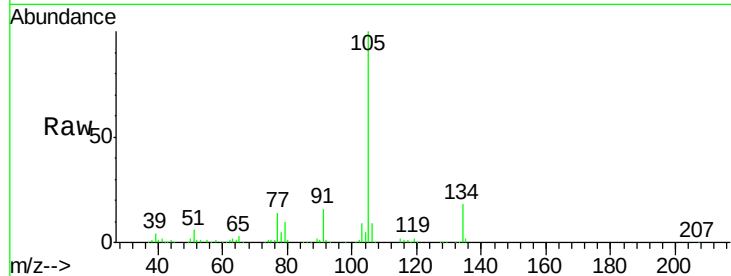
#81
 sec-Butylbenzene
 Concen: 17.399 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	245054		
134	19.5	0.0	38.4	

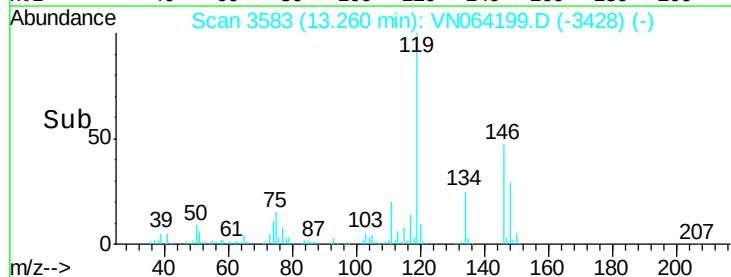
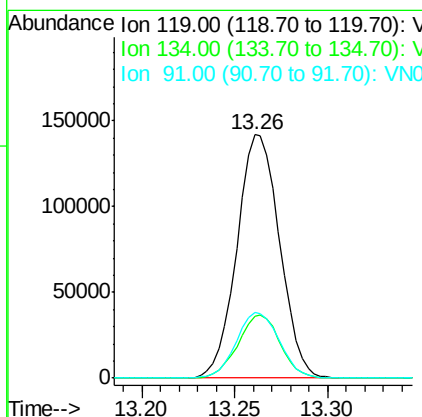
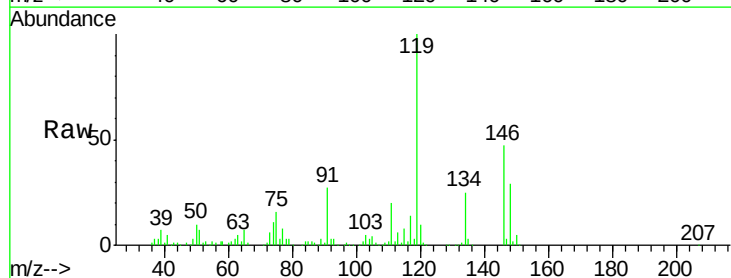
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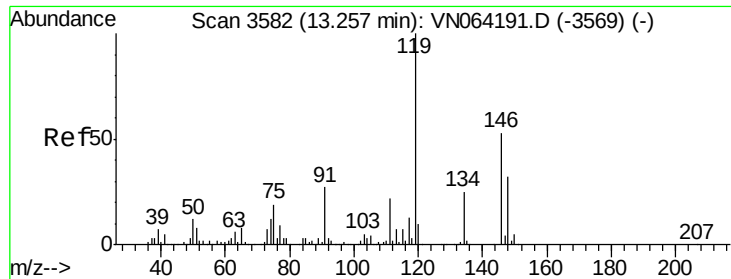
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#82
 p-Isopropyltoluene
 Concen: 17.397 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	226783		
134	25.7	0.0	51.4	
91	27.3	0.0	52.8	





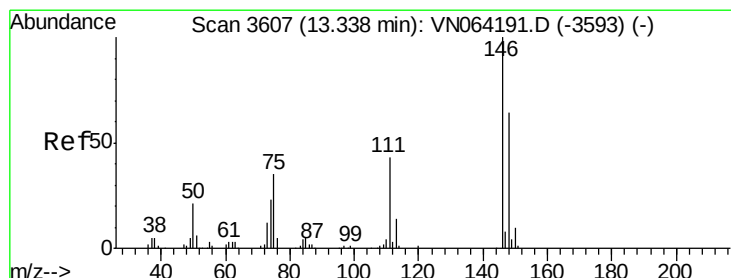
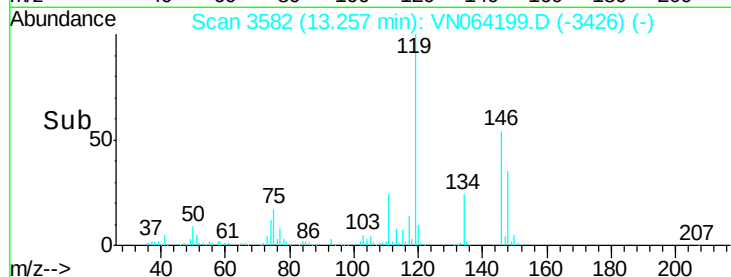
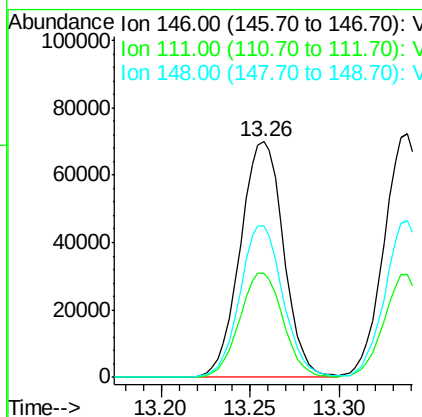
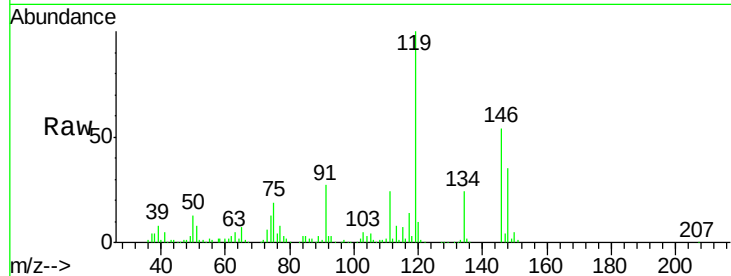
#83
 1,3-Dichlorobenzene
 Concen: 17.632 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118594		
111	44.3	21.8	65.4	
148	63.8	31.4	94.2	

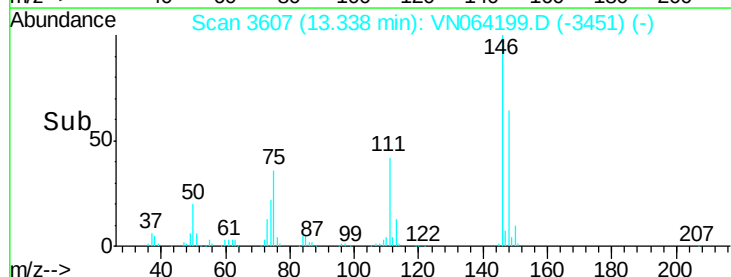
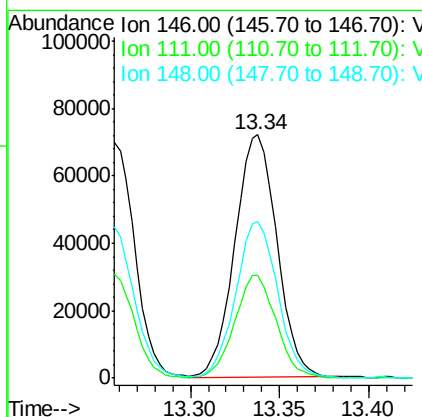
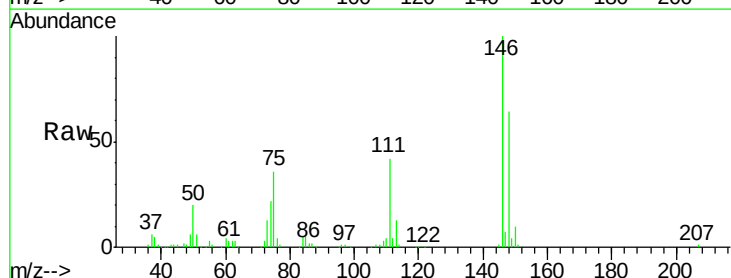
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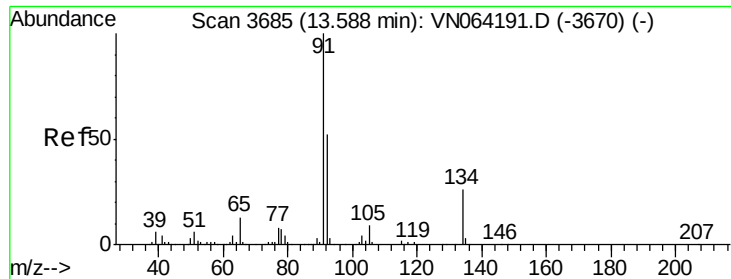
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#84
 1,4-Dichlorobenzene
 Concen: 17.446 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	117480		
111	42.3	20.9	62.8	
148	64.9	30.9	92.7	





#85

n-Butylbenzene

Concen: 17.288 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

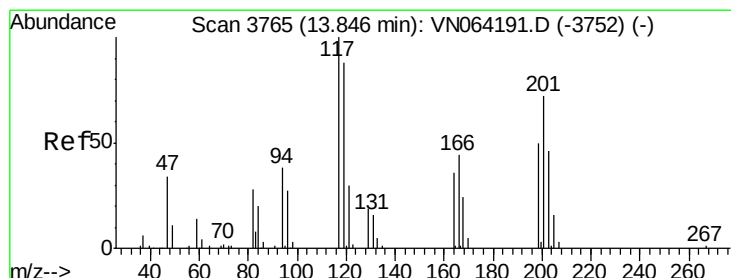
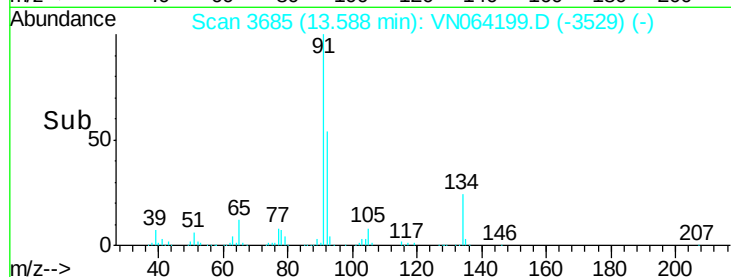
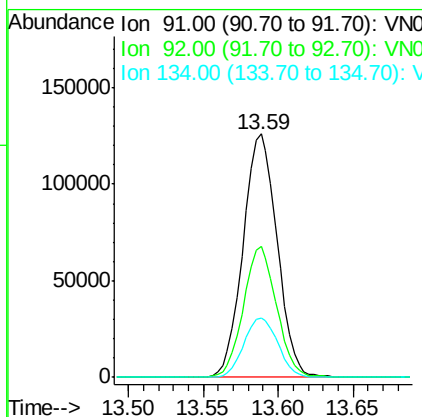
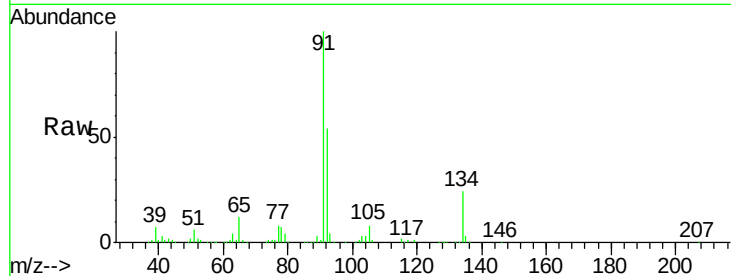
ClientSampleId :

VN1020WBS01

Tot Ion	91	Resp	200061
Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	104.8
134	24.4	0.0	49.8

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#86

Hexachloroethane

Concen: 17.308 ug/l

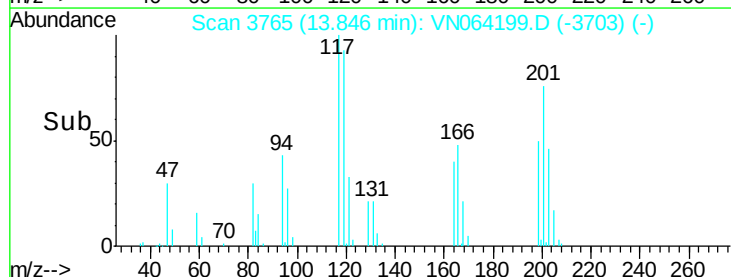
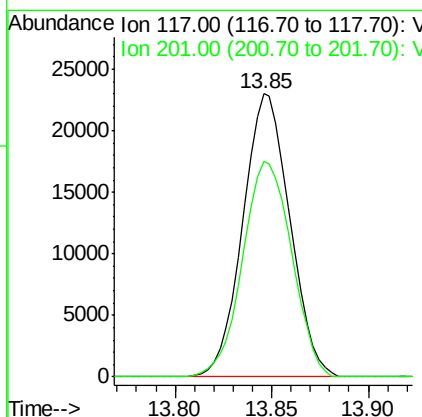
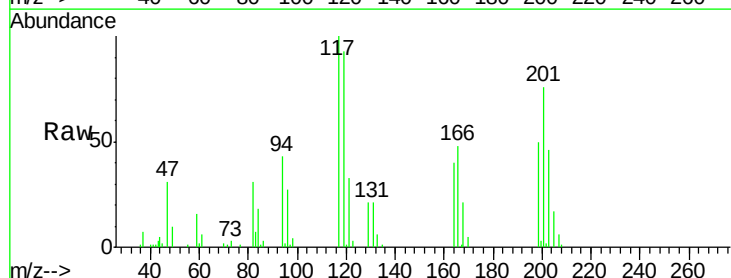
RT: 13.85 min Scan# 3765

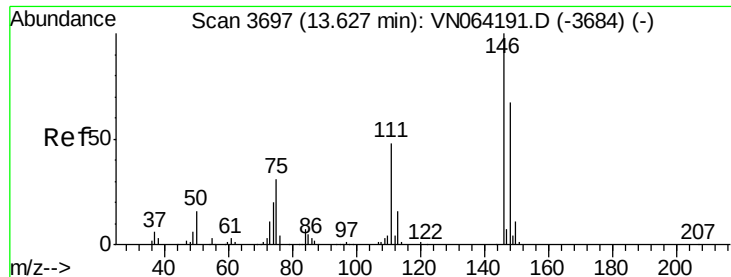
Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Tgt Ion	117	Resp	38842
Ion	Ratio	Lower	Upper
117	100		
201	79.3	37.5	112.3





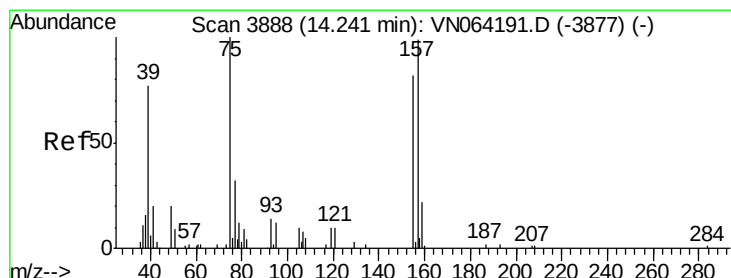
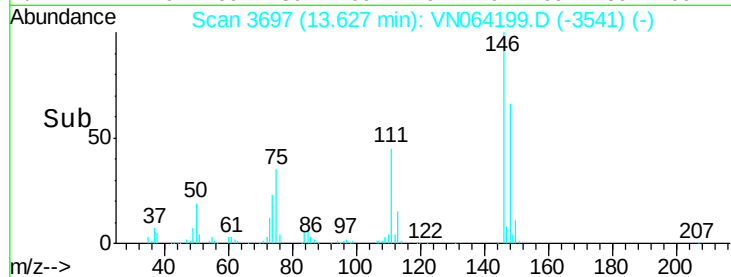
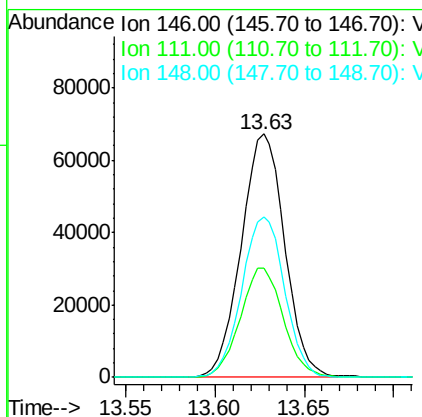
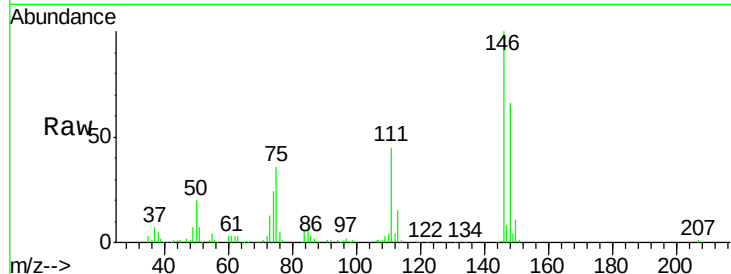
#87
 1,2-Dichlorobenzene
 Concen: 17.435 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.6	67.8
148	64.9	32.6	97.8

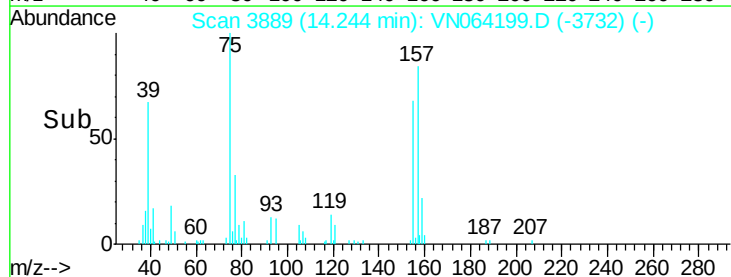
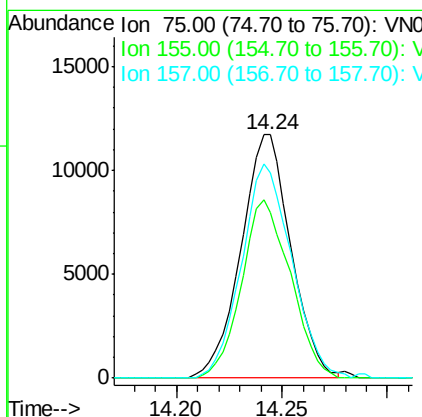
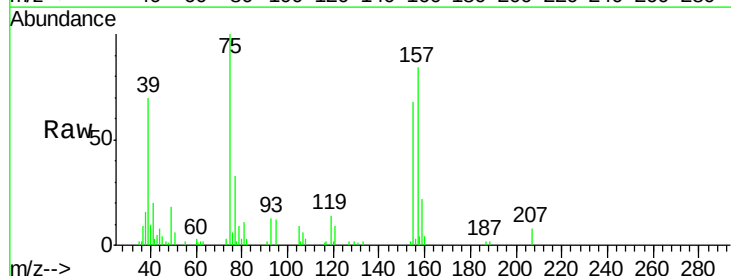
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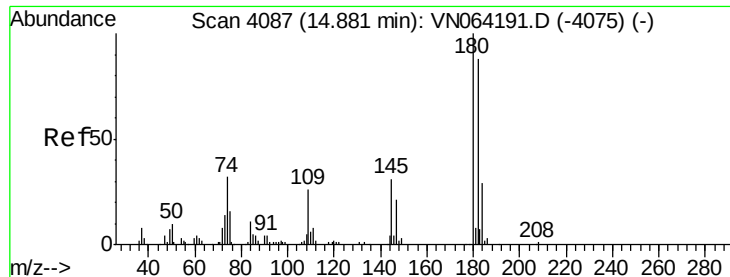
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.884 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.6	61.1	91.7
157	88.4	76.5	114.7





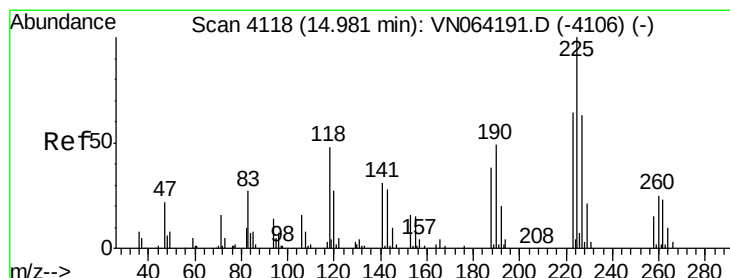
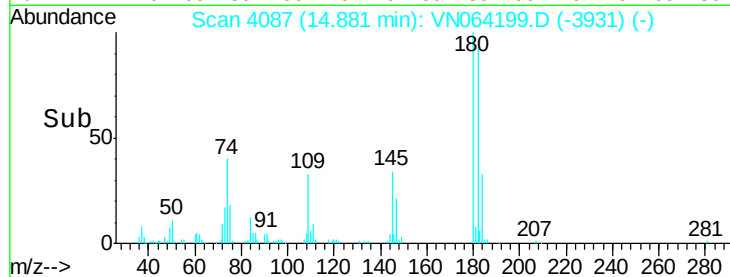
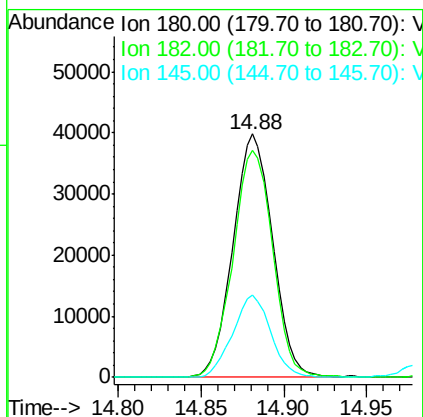
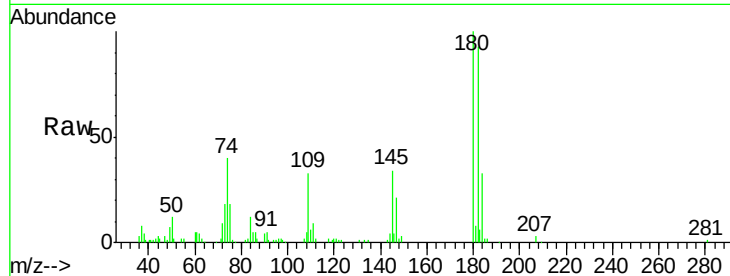
#89
 1,2,4-Trichlorobenzene
 Concen: 16.874 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	73.0	109.4
145	32.3	24.3	36.5

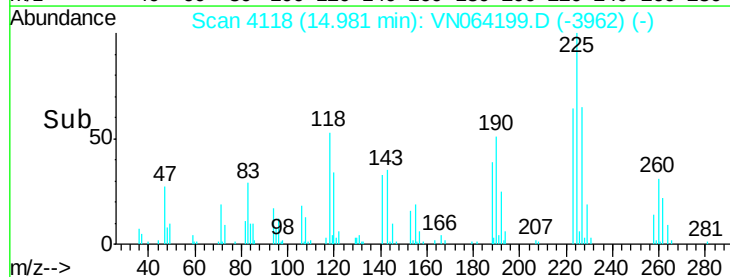
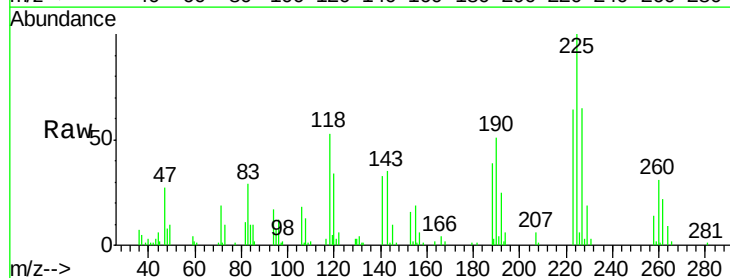
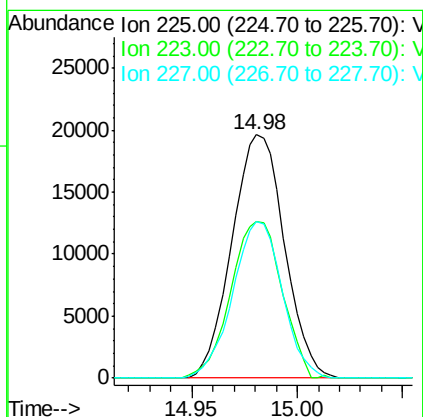
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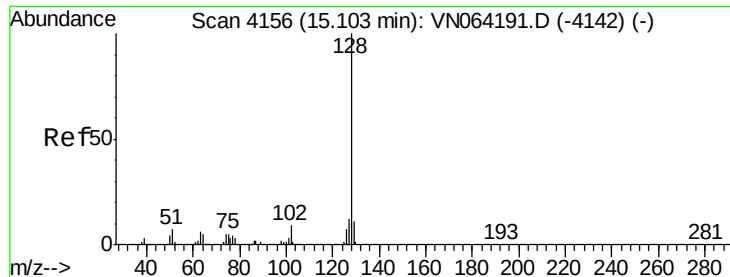
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#90
 Hexachlorobutadiene
 Concen: 16.994 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	0.0	127.0
227	60.8	0.0	129.4





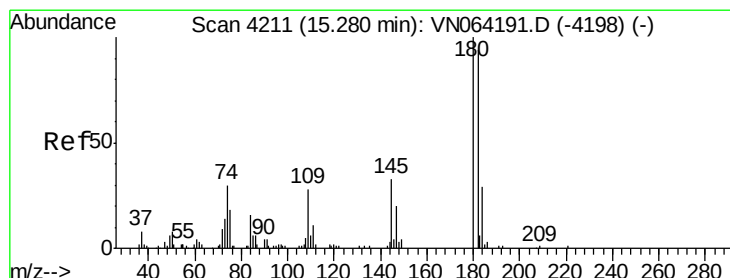
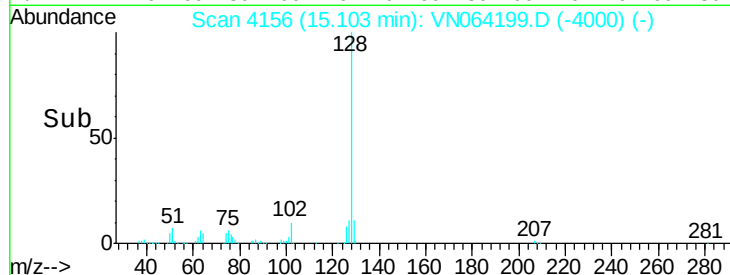
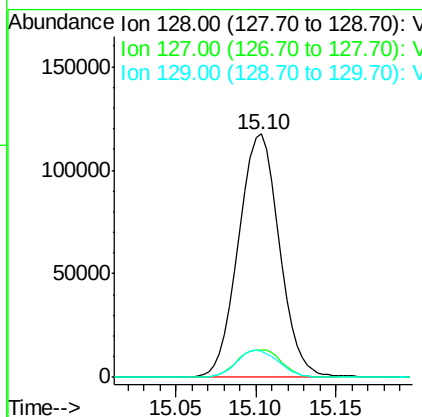
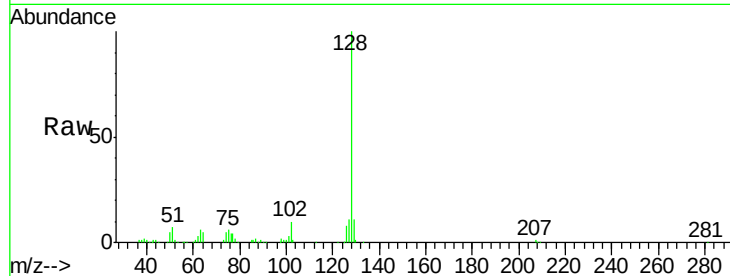
#91
Naphthalene
Concen: 17.184 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
VN1020WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	205175		
127	12.2		10.1	15.1
129	11.6		8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 16.945 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	63834		
182	99.3		0.0	190.0
145	33.9		0.0	66.6

