

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064084.D
 Acq On : 12 Oct 2020 17:50
 Operator : JC/MD
 Sample : VN1012MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 4:09:48 PM

Quant Time: Oct 13 02:09:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	256655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	428587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	394441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	203488	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.55	113	143544	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.06	98	527710	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.38	95	191030	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43374	16.016	ug/l	99
3) Chloromethane	2.04	50	56841	17.888	ug/l	98
4) Vinyl Chloride	2.16	62	56626	17.753	ug/l	99
5) Bromomethane	2.53	94	35276	17.582	ug/l	98
6) Chloroethane	2.67	64	35898	18.834	ug/l	97
7) Trichlorofluoromethane	2.98	101	90541	17.898	ug/l	98
8) Diethyl Ether	3.37	74	34667	20.263	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48928	18.096	ug/l	97
10) Methyl Iodide	3.91	142	58119	18.512	ug/l	98
11) Tert butyl alcohol	4.74	59	59453	127.003	ug/l	99
12) 1,1-Dichloroethene	3.69	96	46399	17.953	ug/l	93
13) Acrolein	3.57	56	27861	96.973	ug/l	100
14) Allyl chloride	4.28	41	99633	20.751	ug/l	87
15) Acrylonitrile	4.93	53	156546	116.828	ug/l	98
16) Acetone	3.78	43	145773	111.682	ug/l	97
17) Carbon Disulfide	4.01	76	120394	17.694	ug/l	98
18) Methyl Acetate	4.28	43	87326	25.768	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	184328	19.631	ug/l	96
20) Methylene Chloride	4.51	84	59114	19.832	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	51231	17.697	ug/l	98
22) Diisopropyl ether	5.90	45	215161	21.780	ug/l	94
23) Vinyl Acetate	5.85	43	850361	103.917	ug/l	100
24) 1,1-Dichloroethane	5.80	63	111367	19.717	ug/l	98
25) 2-Butanone	6.79	43	228222	123.329	ug/l	97
26) 2,2-Dichloropropane	6.78	77	93584	18.092	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	61096	18.351	ug/l	96
28) Bromochloromethane	7.15	49	54167	19.403	ug/l	93
29) Tetrahydrofuran	7.17	42	152091	122.542	ug/l	94
30) Chloroform	7.33	83	112152	19.043	ug/l	95
31) Cyclohexane	7.61	56	88710	18.021	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	100257	18.873	ug/l	98
36) 1,1-Dichloropropene	7.76	75	79523	18.315	ug/l	98
37) Ethyl Acetate	6.88	43	94166	21.829	ug/l	99
38) Carbon Tetrachloride	7.73	117	84867	17.430	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	70026	16.172	ug/l	96
40) Benzene	8.00	78	236594	19.077	ug/l	98
41) Methacrylonitrile	7.13	41	42086m	21.951	ug/l	
42) 1,2-Dichloroethane	8.08	62	97138	18.349	ug/l	99
43) Isopropyl Acetate	8.13	43	148977	20.937	ug/l	99
44) Trichloroethene	8.80	130	58488	17.999	ug/l	99
45) 1,2-Dichloropropane	9.08	63	67342	20.106	ug/l	99
46) Dibromomethane	9.17	93	43302	18.741	ug/l	99
47) Bromodichloromethane	9.37	83	90580	19.022	ug/l	97
48) Methyl methacrylate	9.17	41	73247	20.835	ug/l	92
49) 1,4-Dioxane	9.17	88	22982	459.980	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	486480	116.503	ug/l	100
52) Toluene	10.13	92	145488	18.966	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	94146	18.444	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	102039	19.114	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	60596	19.698	ug/l	98
56) Ethyl methacrylate	10.40	69	88590	20.316	ug/l	95
57) 1,3-Dichloropropane	10.68	76	104835	20.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	244824	104.961	ug/l	96
59) 2-Hexanone	10.72	43	345899	111.510	ug/l	98
60) Dibromochloromethane	10.87	129	66218	18.483	ug/l	100
61) 1,2-Dibromoethane	10.98	107	60504	19.227	ug/l	96
64) Tetrachloroethene	10.60	164	54100	17.728	ug/l	98
65) Chlorobenzene	11.41	112	149740	18.506	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	61500	19.826	ug/l	98
67) Ethyl Benzene	11.49	91	271848	18.464	ug/l	97
68) m/p-Xylenes	11.59	106	200028	36.453	ug/l	100
69) o-Xylene	11.92	106	95405	18.602	ug/l	97
70) Styrene	11.94	104	160395	18.424	ug/l	100
71) Bromoform	12.10	173	45289	19.090	ug/l #	95
73) Isopropylbenzene	12.22	105	261675	20.469	ug/l	100
74) N-amyl acetate	12.05	43	130638	23.228	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	87442	22.369	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	84854m	21.963	ug/l	
77) Bromobenzene	12.50	156	63982	20.397	ug/l	98
78) n-propylbenzene	12.57	91	290177	19.504	ug/l	100
79) 2-Chlorotoluene	12.65	91	183674	20.074	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	212515	19.815	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	29133	21.718	ug/l	99
82) 4-Chlorotoluene	12.75	91	189582	19.959	ug/l	100
83) tert-Butylbenzene	12.97	119	174859	19.932	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	209916	19.604	ug/l	98
85) sec-Butylbenzene	13.15	105	220476	19.134	ug/l	100
86) p-Isopropyltoluene	13.26	119	196375	19.265	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	108920	19.193	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	110772	18.747	ug/l	97
89) n-Butylbenzene	13.59	91	160905	17.103	ug/l	97
90) Hexachloroethane	13.85	117	38902	19.695	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	106333	18.918	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18878	20.592	ug/l	96

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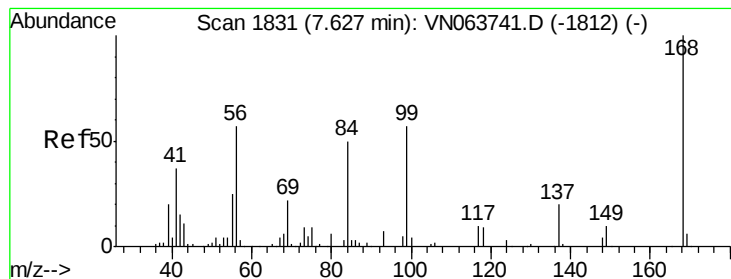
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	46043	16.278	ug/l	98
94) Hexachlorobutadiene	14.98	225	29089	19.128	ug/l	97
95) Naphthalene	15.10	128	140209	16.180	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	47222	16.998	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion:168 Resp: 256655

Ion Ratio Lower Upper

168 100

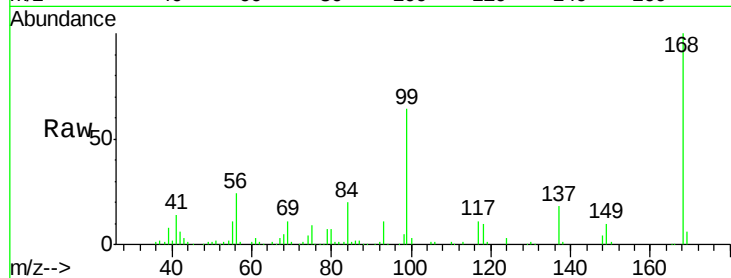
99 63.7 51.8 77.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

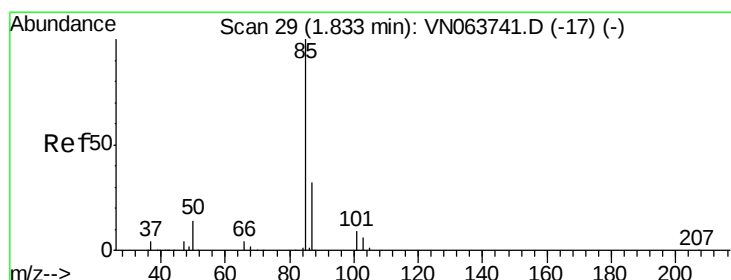
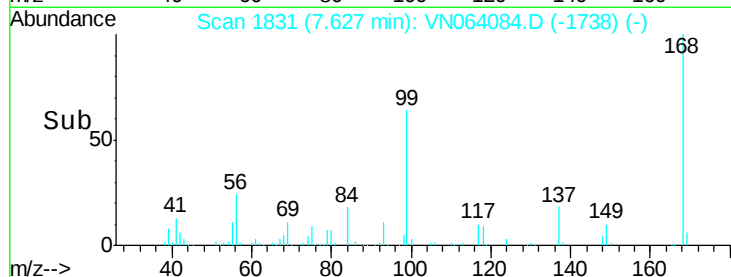
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.016 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064084.D

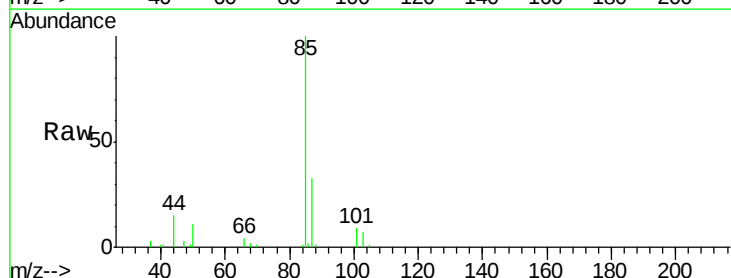
Acq: 12 Oct 2020 17:50

Tgt Ion: 85 Resp: 43374

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

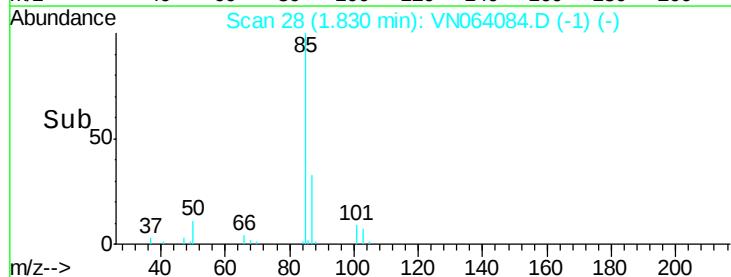
30000

20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.888 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 50 Resp: 56841

Ion Ratio Lower Upper

50 100

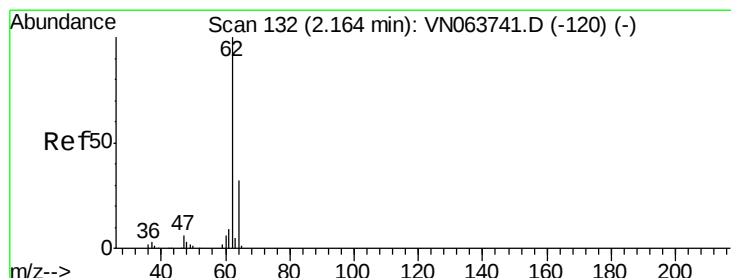
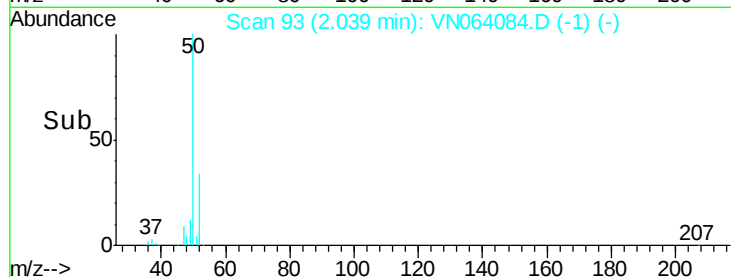
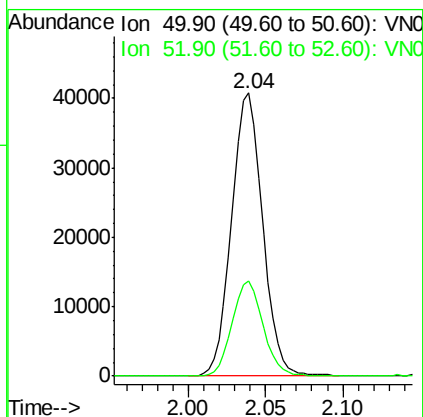
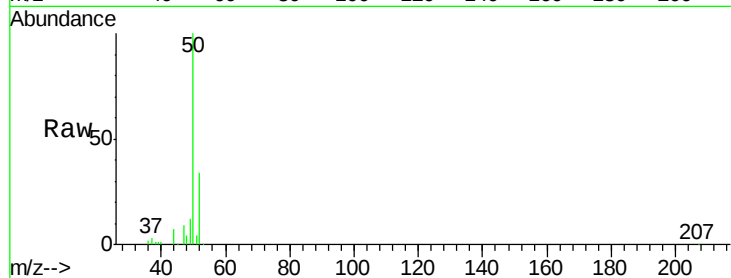
52 33.6 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.753 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064084.D

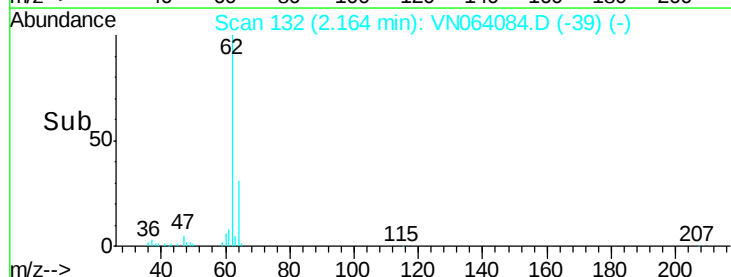
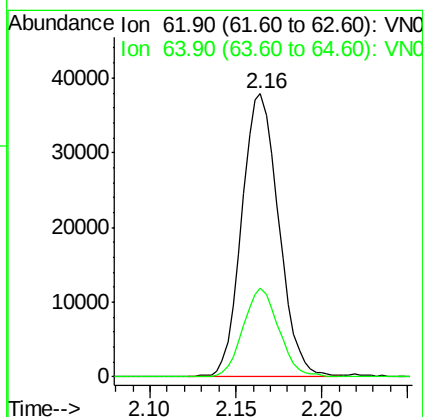
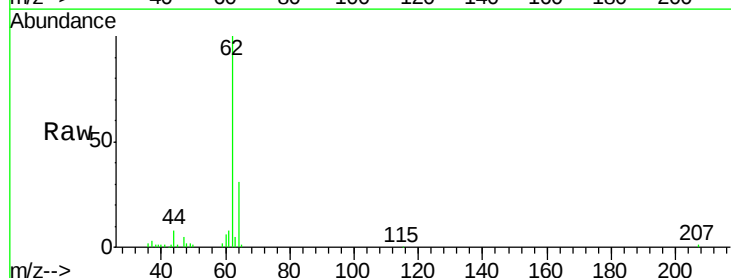
Acq: 12 Oct 2020 17:50

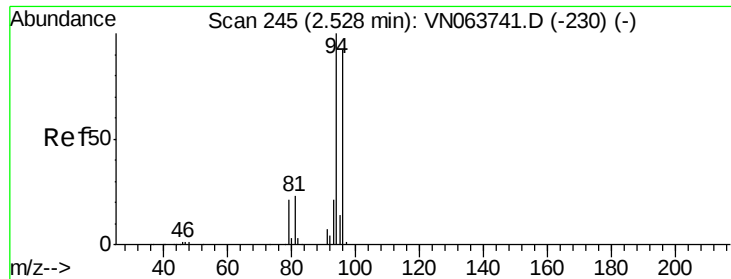
Tgt Ion: 62 Resp: 56626

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 17.582 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 94 Resp: 35276

Ion Ratio Lower Upper

94 100

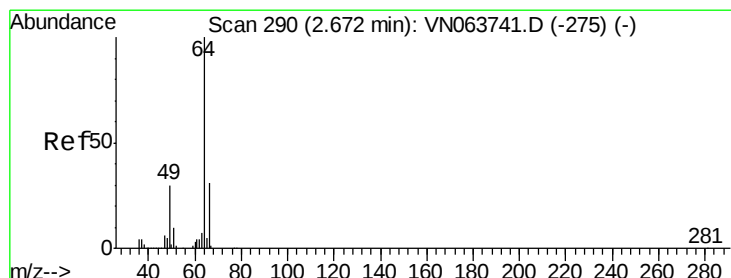
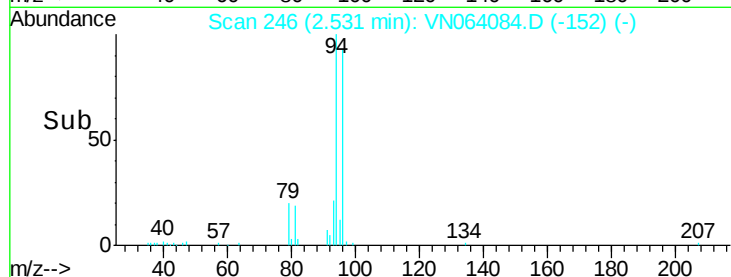
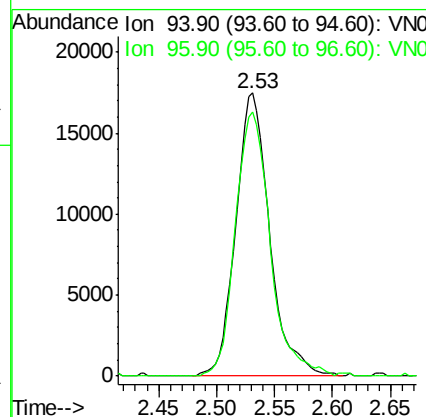
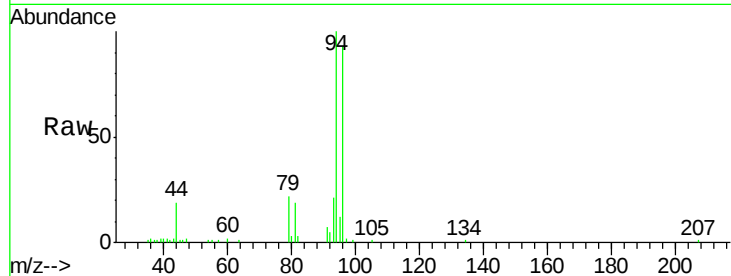
96 93.4 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 18.834 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064084.D

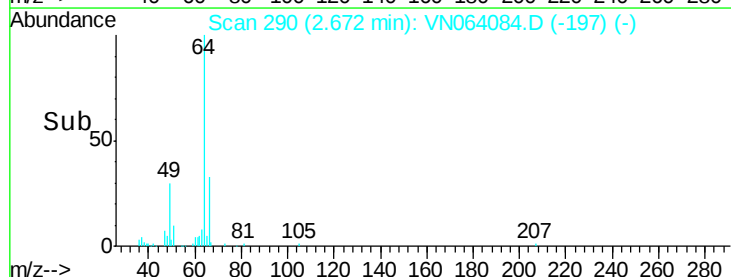
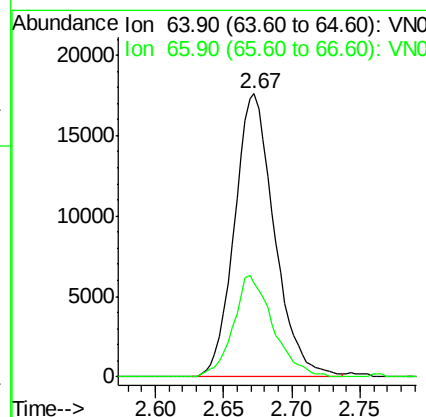
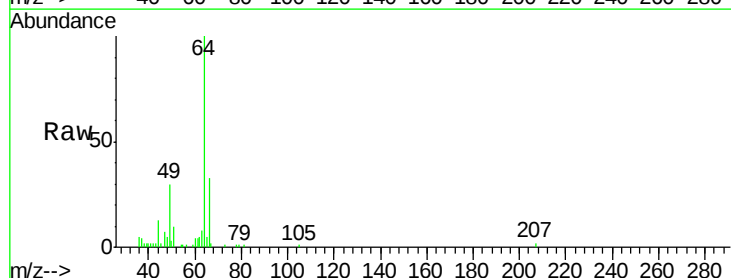
Acq: 12 Oct 2020 17:50

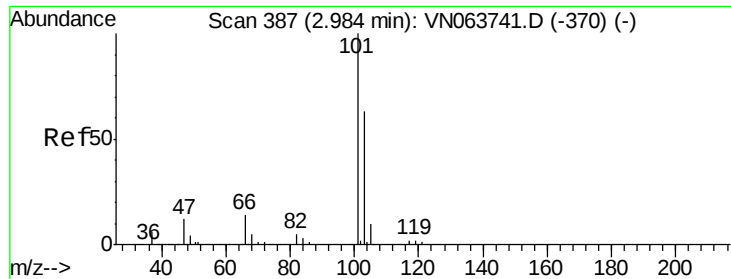
Tgt Ion: 64 Resp: 35898

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7





#7

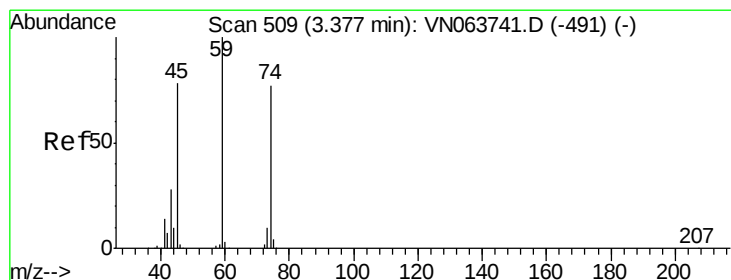
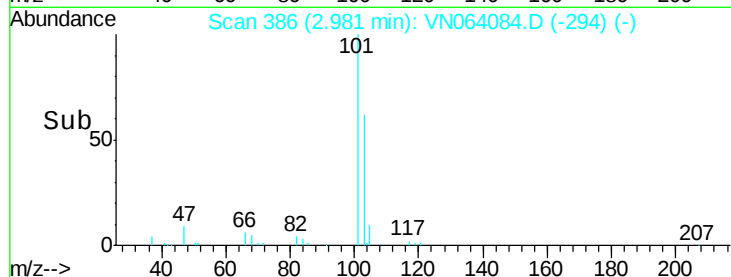
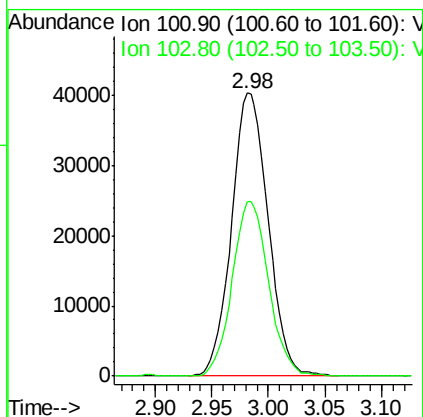
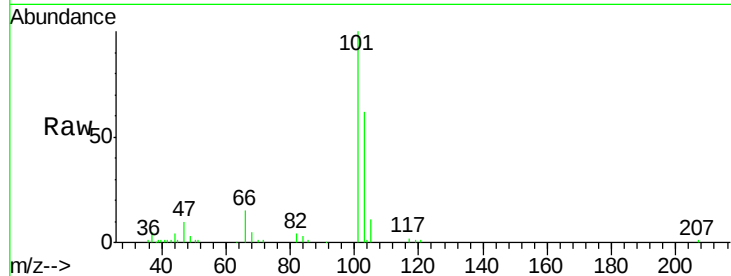
Trichlorofluoromethane
 Concen: 17.898 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	50.7	76.1

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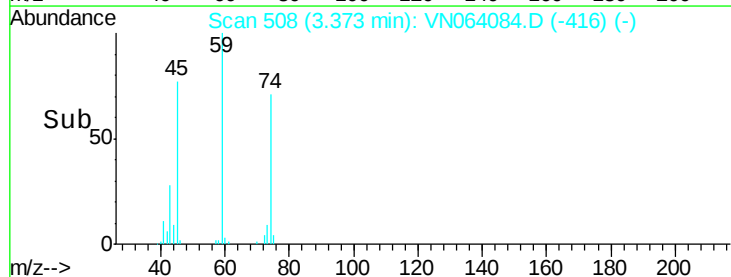
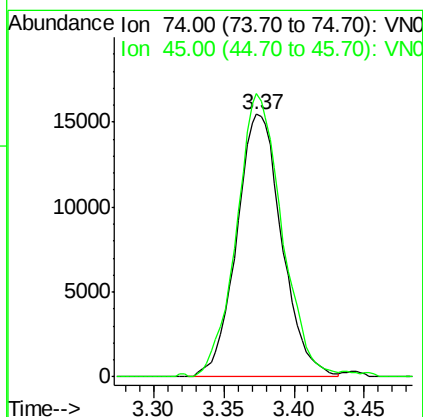
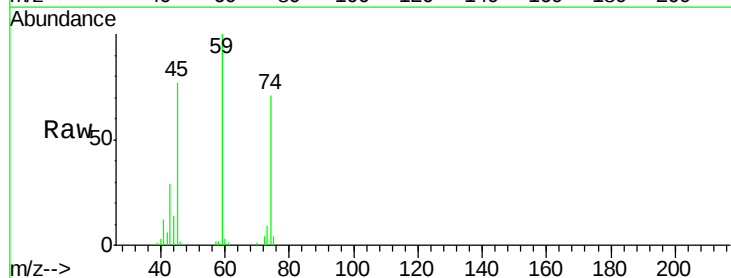
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 10/13/2020 4:09:48 PM



#8

Diethyl Ether
 Concen: 20.263 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.1	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.096 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

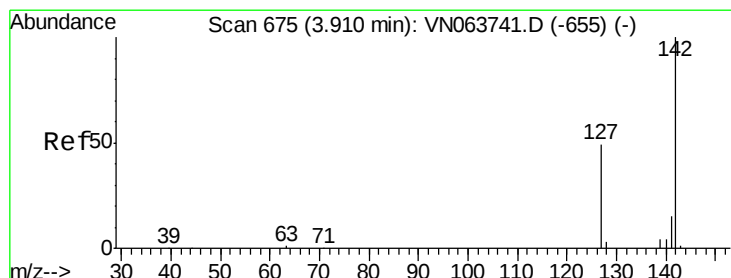
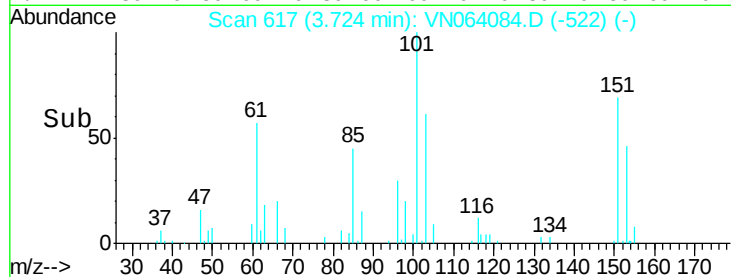
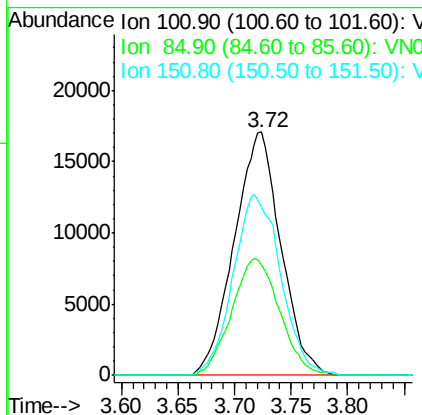
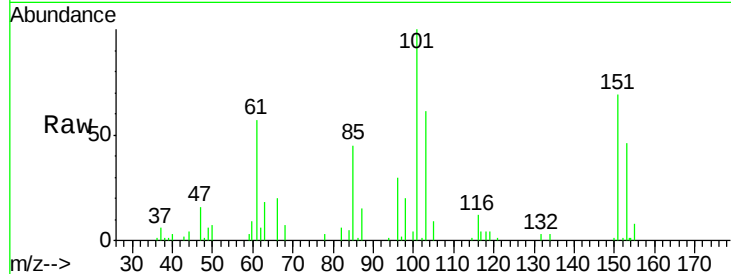
ClientSampleId :

VN1012MBS01

Tot Ion:	101	Resp:	48928
Ion Ratio	Lower	Upper	
101	100		
85	49.4	38.6	58.0
151	76.1	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 18.512 ug/l

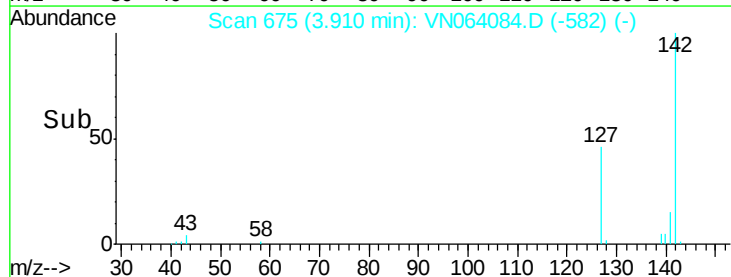
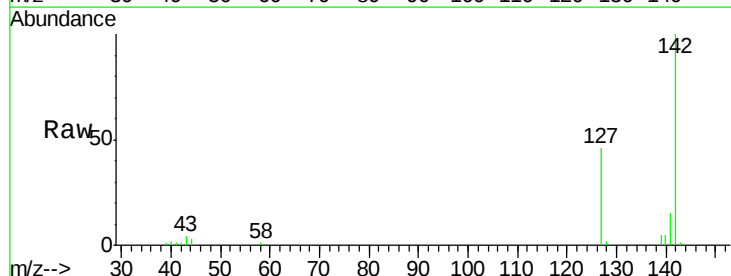
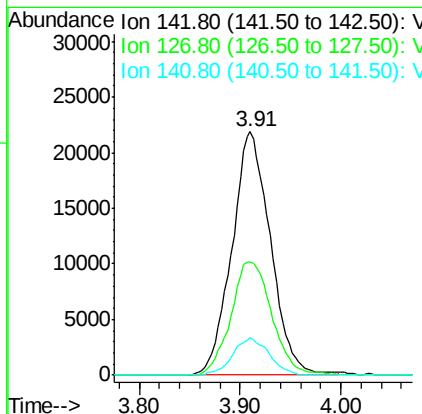
RT: 3.91 min Scan# 675

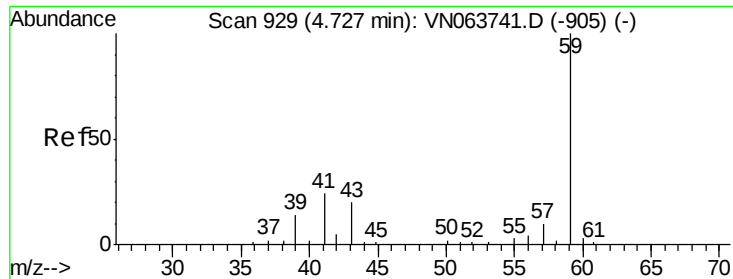
Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	142	Resp:	58119
Ion Ratio	Lower	Upper	
142	100		
127	49.3	40.5	60.7
141	14.3	11.7	17.5





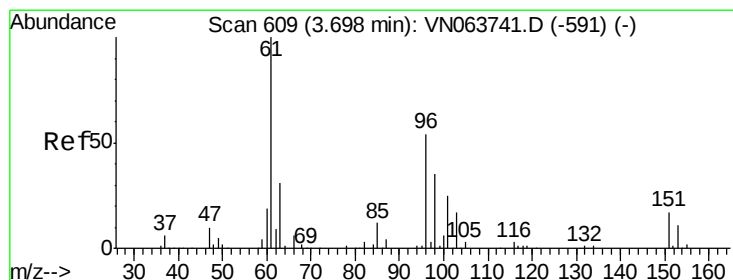
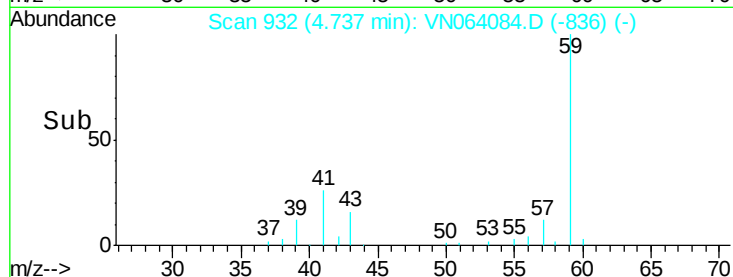
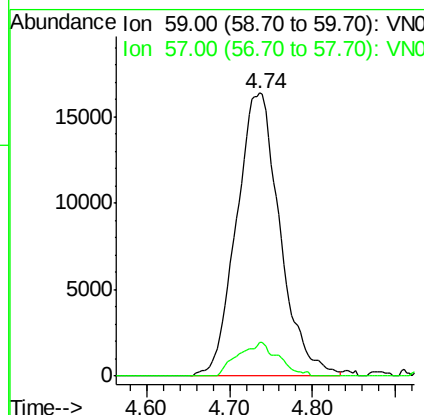
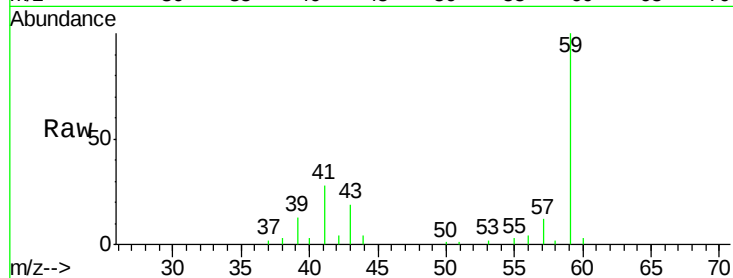
#11
Tert butyl alcohol
Concen: 127.003 ug/l
RT: 4.74 min Scan# 932
Delta R.T. 0.01 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion: 59 Resp: 59453
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

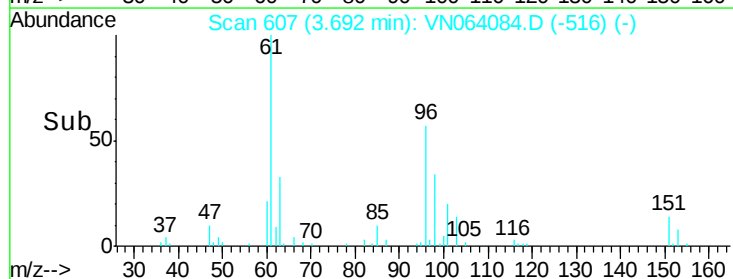
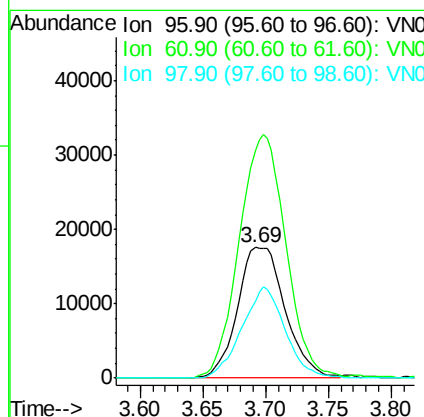
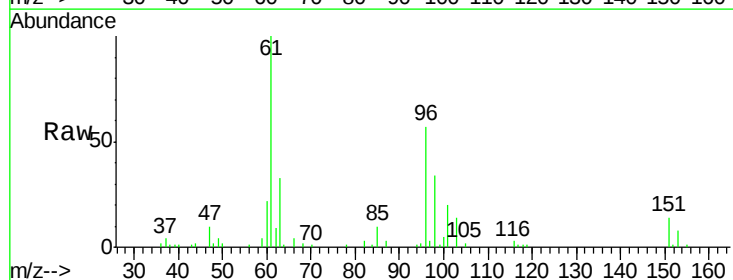
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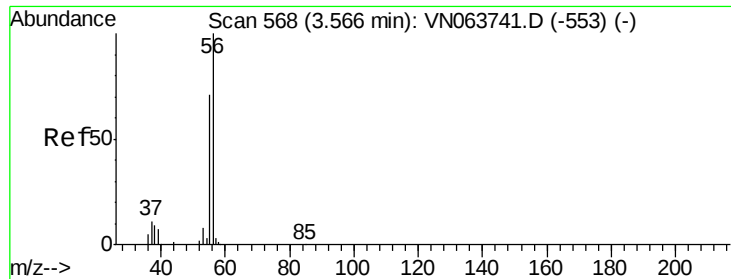
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.953 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.01 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion: 96 Resp: 46399
Ion Ratio Lower Upper
96 100
61 174.3 147.7 221.5
98 59.2 51.9 77.9





#13

Acrolein

Concen: 96.973 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 56 Resp: 27861

Ion Ratio Lower Upper

56 100

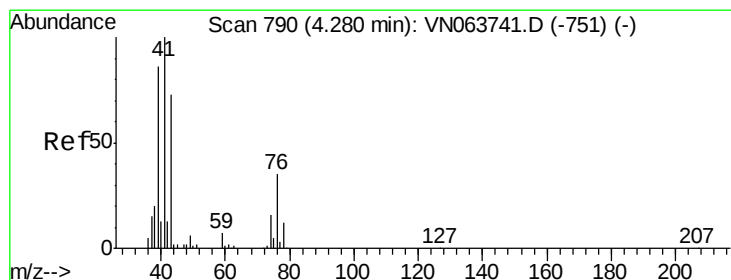
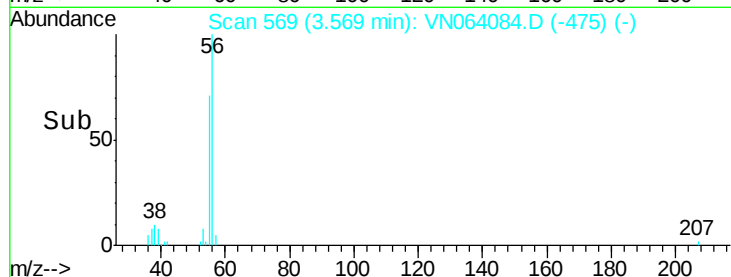
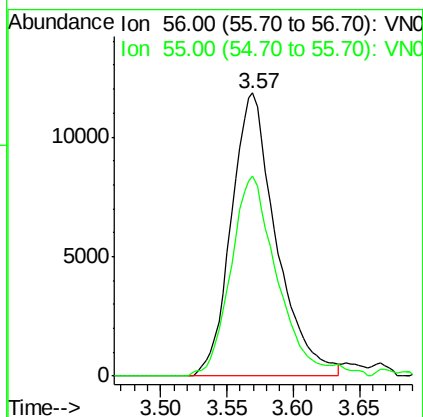
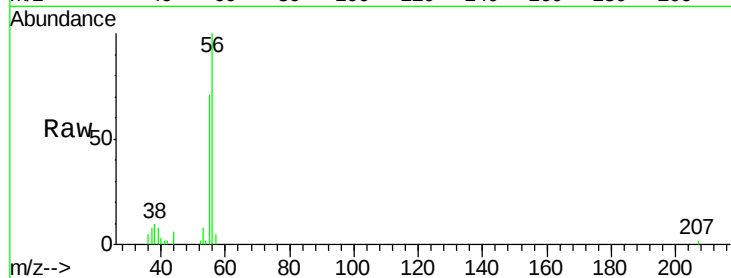
55 71.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.751 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

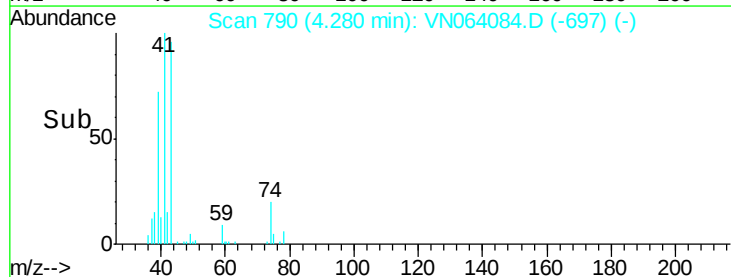
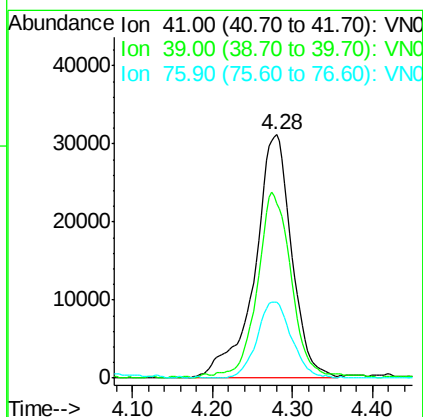
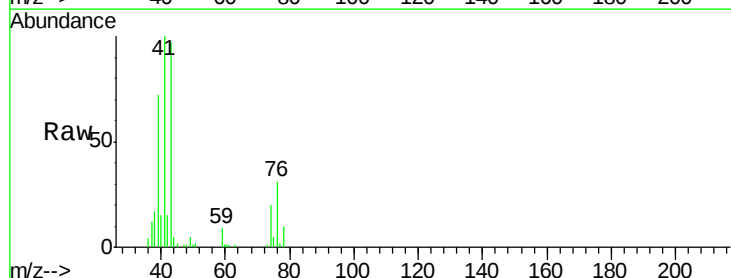
Tgt Ion: 41 Resp: 99633

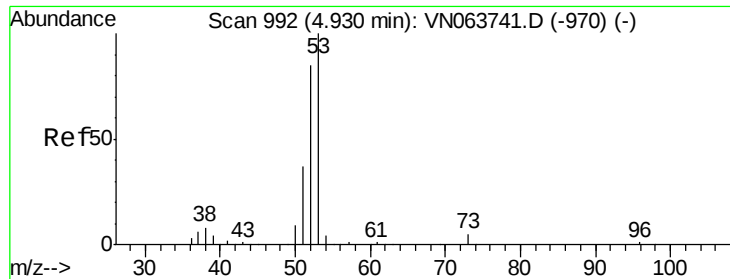
Ion Ratio Lower Upper

41 100

39 66.4 64.5 96.7

76 29.1 25.9 38.9





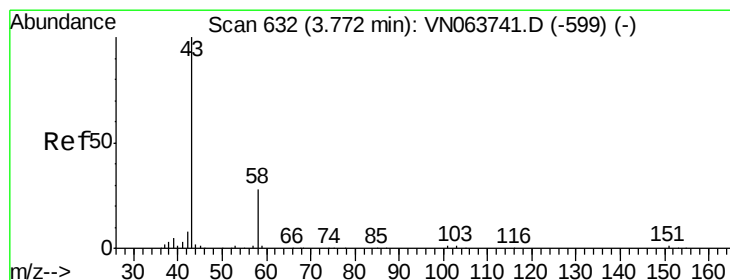
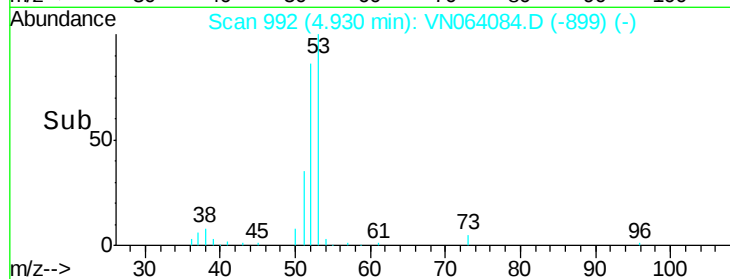
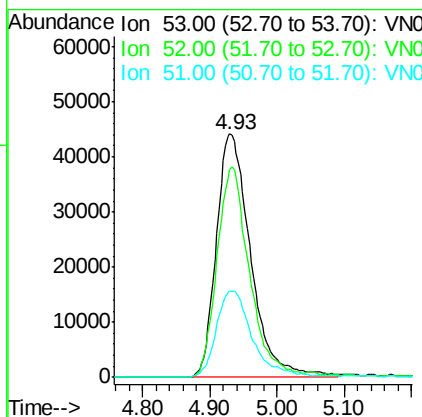
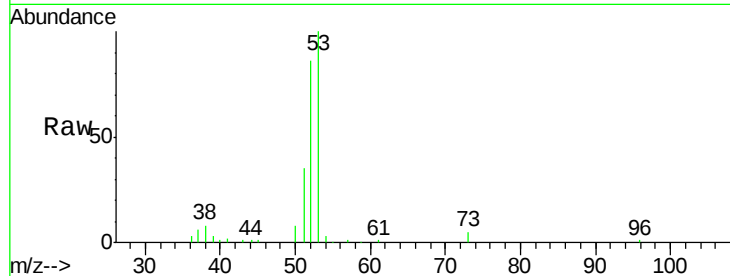
#15
 Acrylonitrile
 Concen: 116.828 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
53	100		156546		
52	81.6	66.5	99.7		
51	36.7	29.9	44.9		

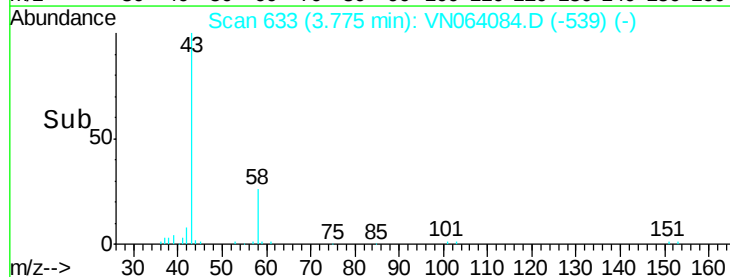
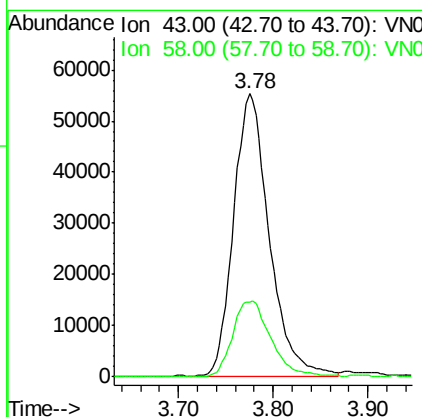
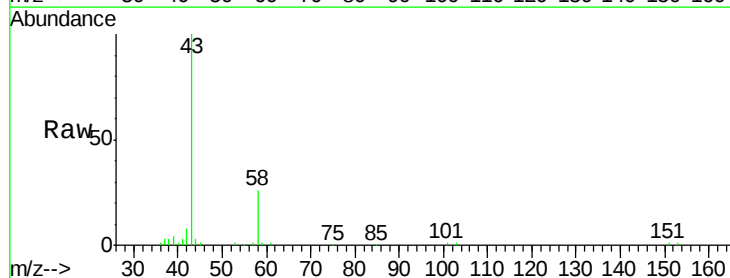
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#16
 Acetone
 Concen: 111.682 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		145773		
58	26.4	22.3	33.5		





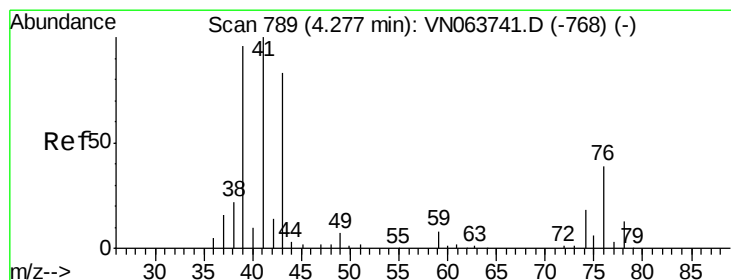
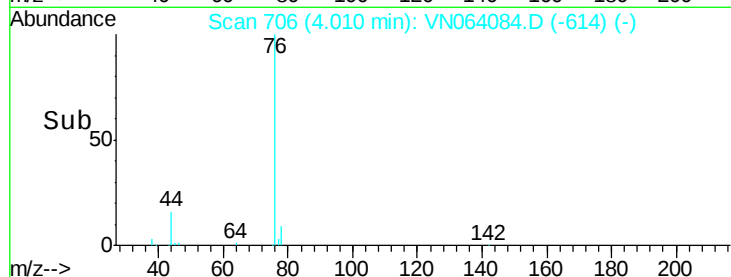
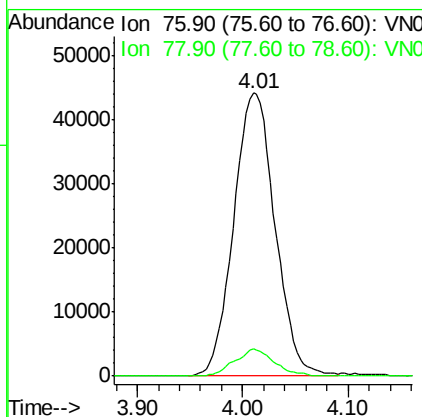
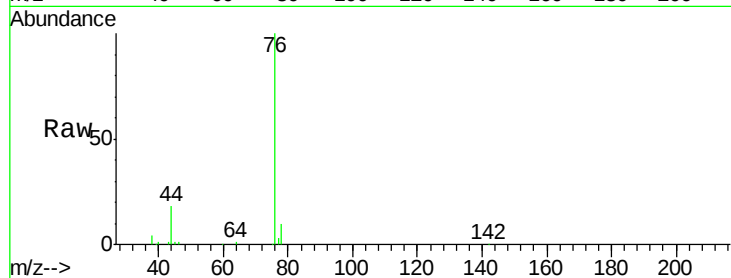
#17
Carbon Disulfide
Concen: 17.694 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.4

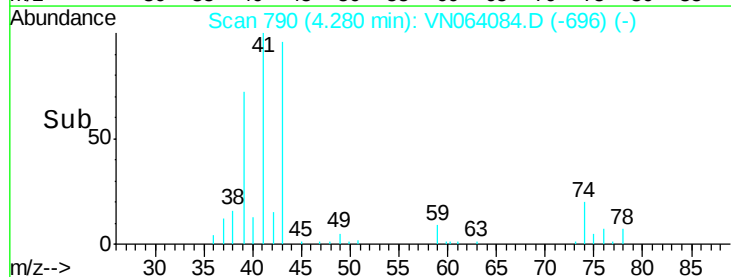
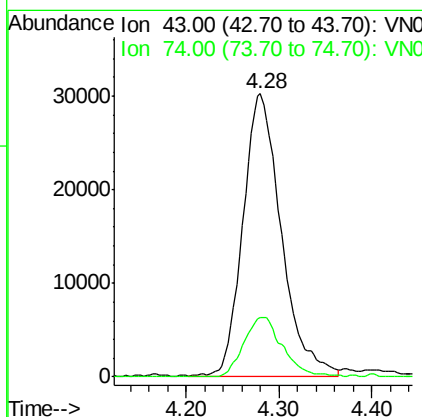
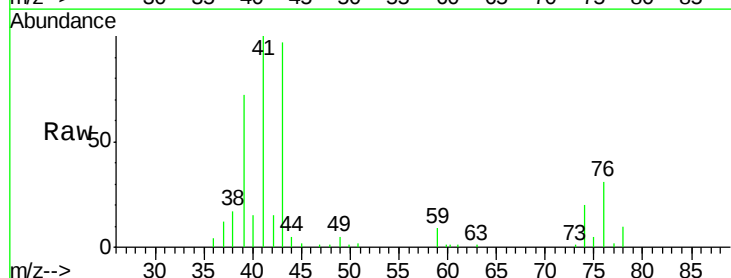
Manual Integrations
APPROVED

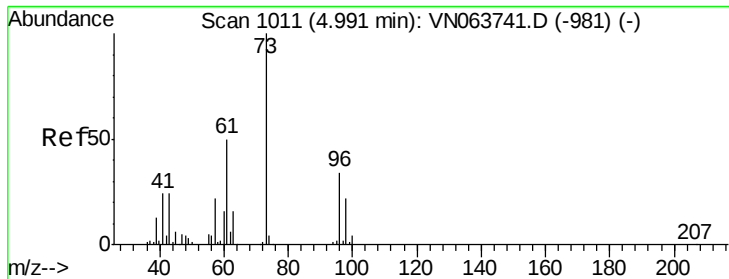
MMDadoda
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#18
Methyl Acetate
Concen: 25.768 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.4	26.2





#19

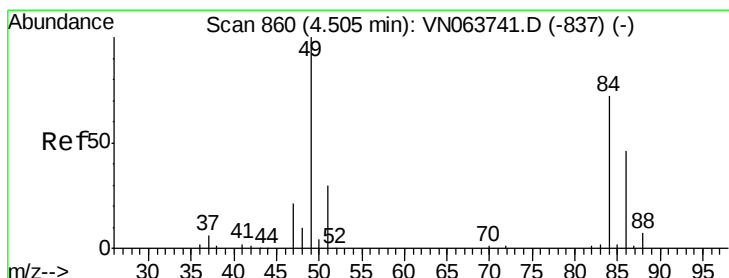
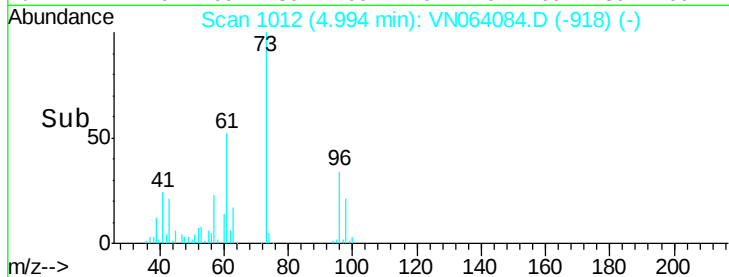
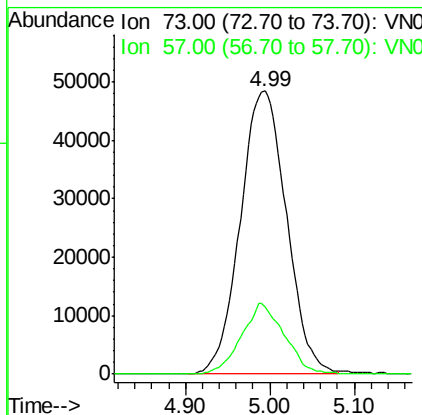
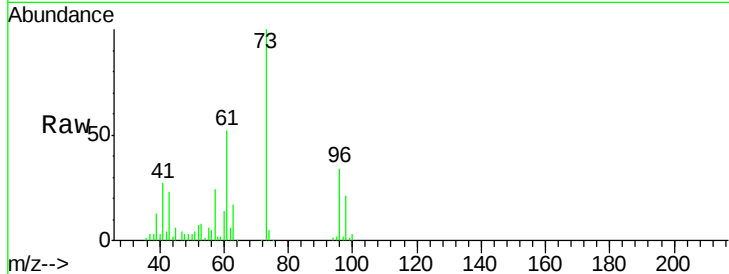
Methyl tert-butyl Ether
 Concen: 19.631 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN1012MBS01

Tot Ion: 73 Resp: 184328
 Ion Ratio Lower Upper
 73 100
 57 23.7 17.6 26.4

Manual Integrations
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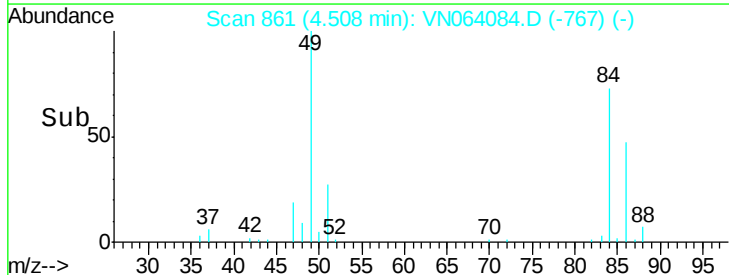
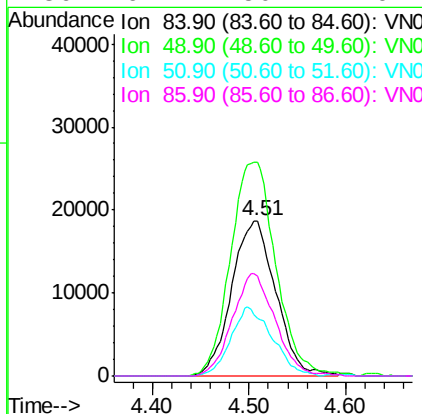
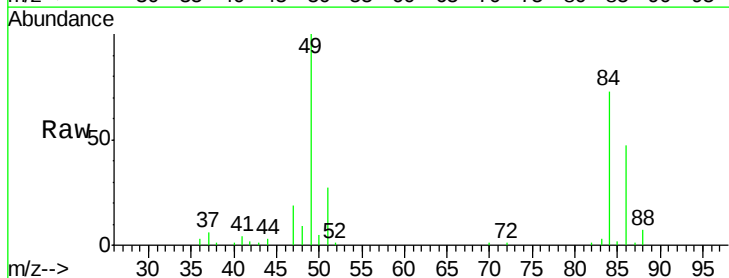
MMDadoda
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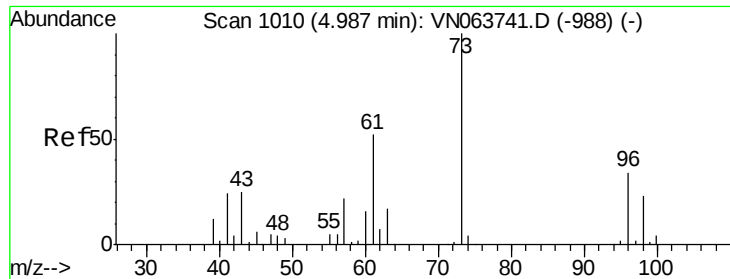


#20

Methylene Chloride
 Concen: 19.832 ug/l
 RT: 4.51 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion: 84 Resp: 59114
 Ion Ratio Lower Upper
 84 100
 49 137.3 110.4 165.6
 51 37.1 33.3 49.9
 86 64.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.697 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

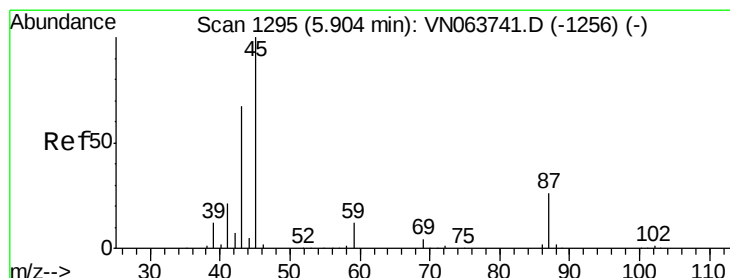
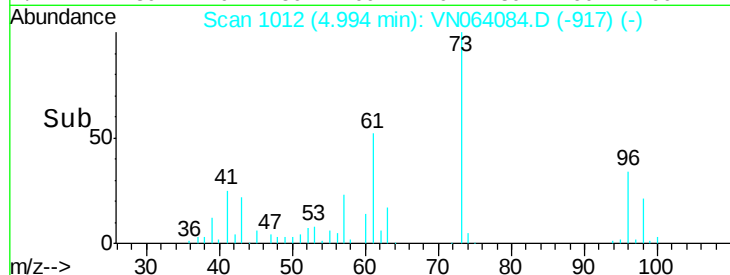
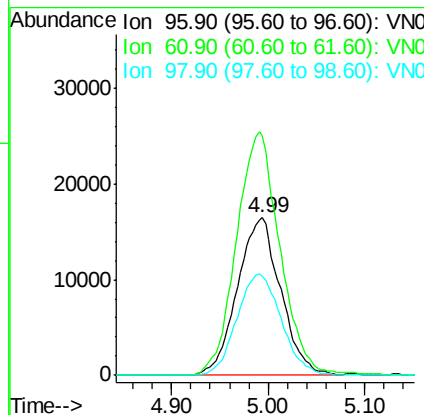
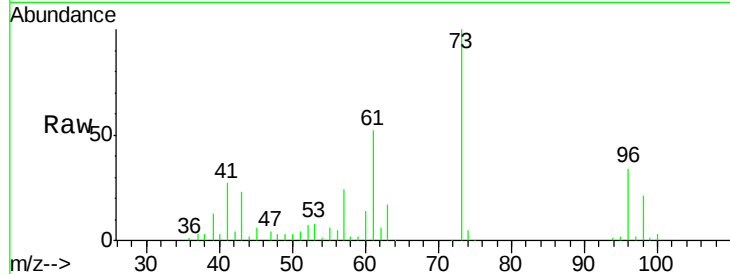
ClientSampleId :

VN1012MBS01

Tot Ion:	96	Resp:	51231
Ion	Ratio	Lower	Upper
96	100		
61	152.2	120.2	180.2
98	62.9	52.6	79.0

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#22

Diisopropyl ether

Concen: 21.780 ug/l

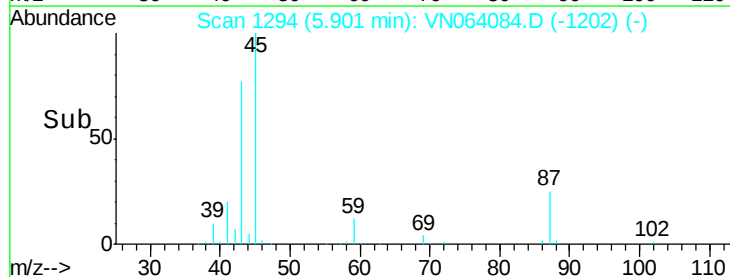
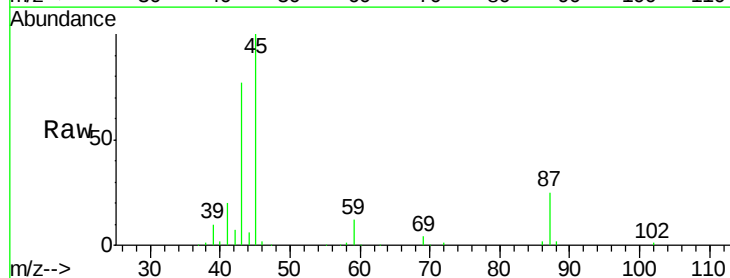
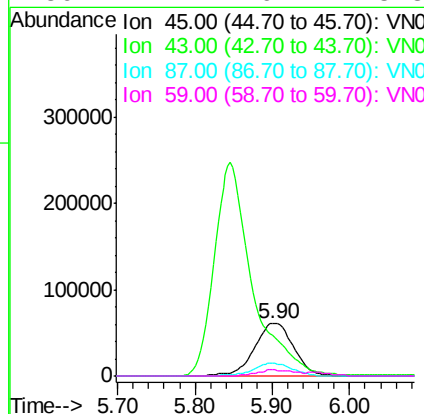
RT: 5.90 min Scan# 1294

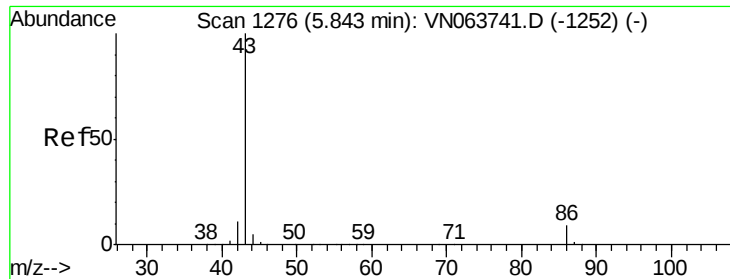
Delta R.T. -0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	45	Resp:	215161
Ion	Ratio	Lower	Upper
45	100		
43	73.8	53.7	80.5
87	24.9	21.1	31.7
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 103.917 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 43 Resp: 850361

Ion Ratio Lower Upper

43 100

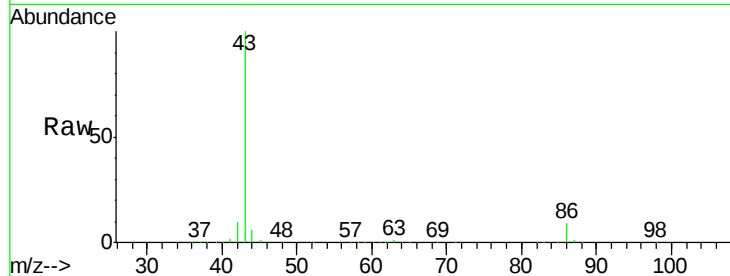
86 8.9 7.3 10.9

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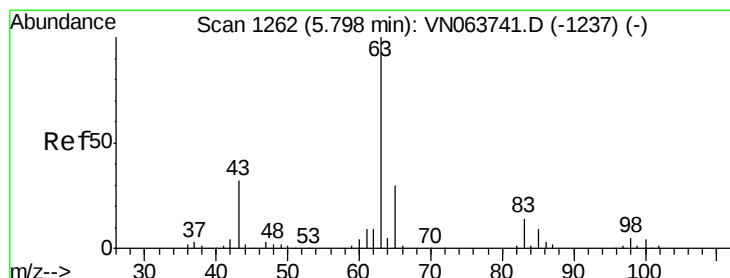
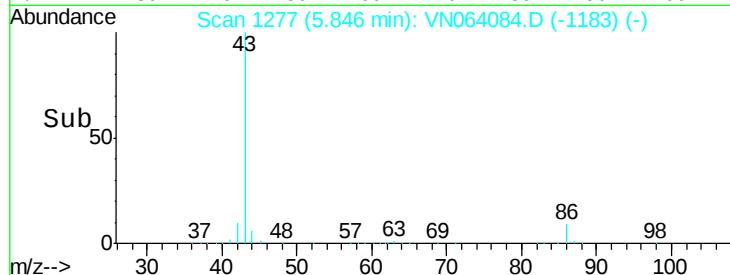
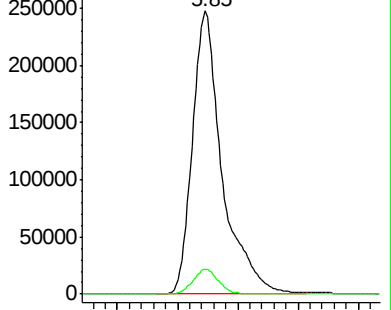
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Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN063741.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 19.717 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

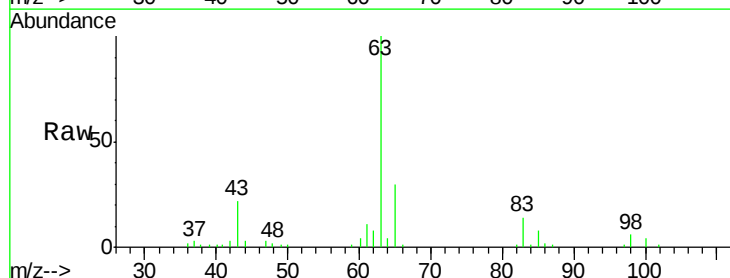
Tgt Ion: 63 Resp: 111367

Ion Ratio Lower Upper

63 100

98 6.4 2.7 8.1

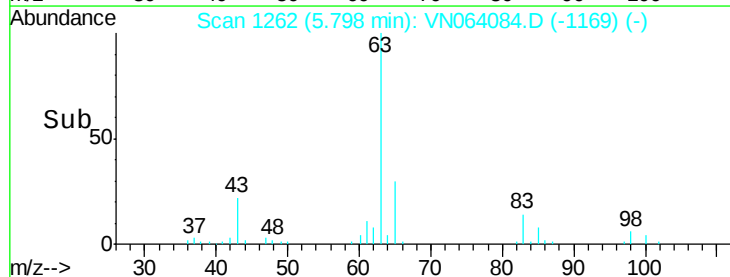
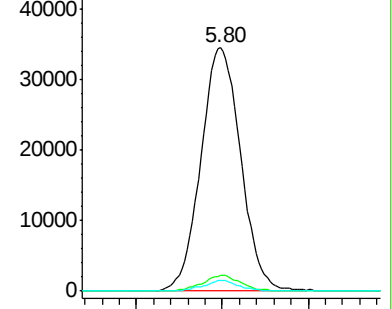
100 4.3 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN063741.D (-1237) (-)

Ion 97.90 (97.60 to 98.60): VN063741.D (-1237) (-)

Ion 99.90 (99.60 to 100.60): VN063741.D (-1237) (-)





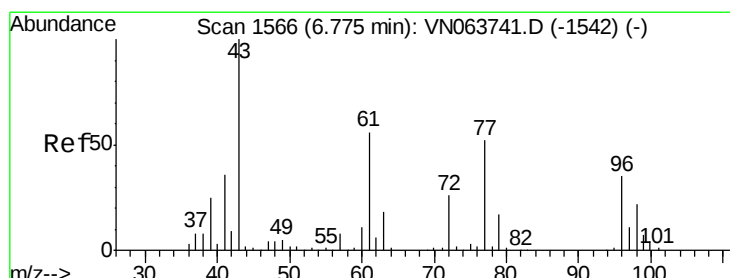
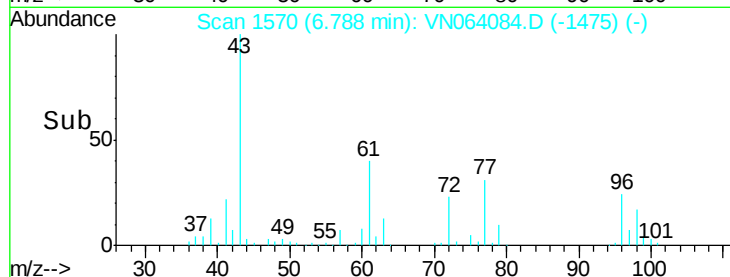
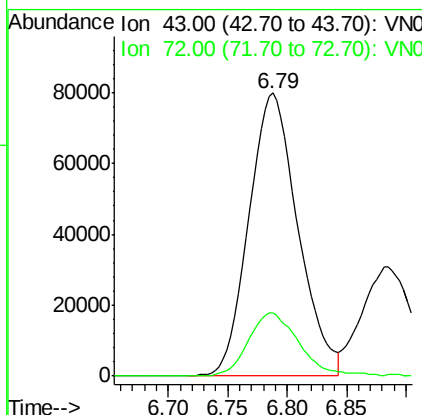
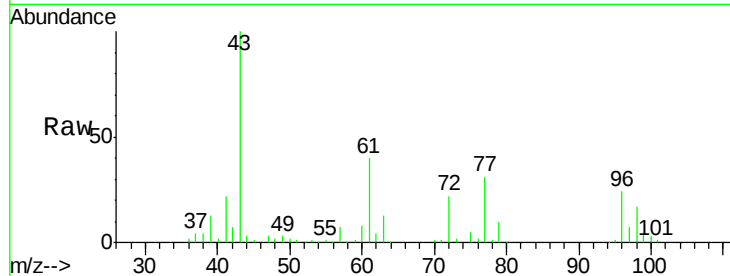
#25
2-Butanone
Concen: 123.329 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion: 43 Resp: 228222
Ion Ratio Lower Upper
43 100
72 22.5 19.3 28.9

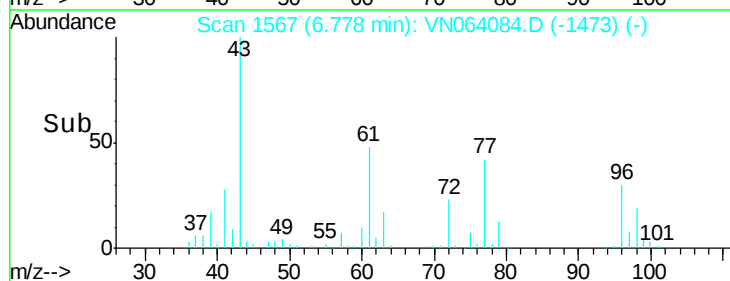
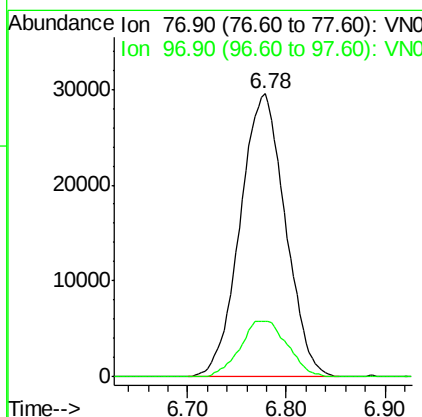
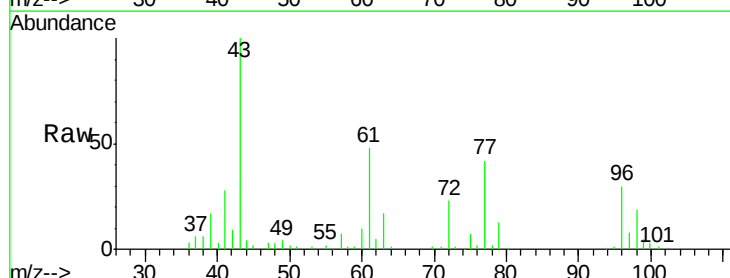
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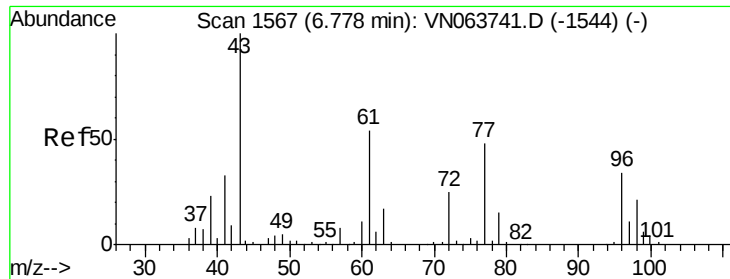
MMDadoda
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#26
2,2-Dichloropropane
Concen: 18.092 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion: 77 Resp: 93584
Ion Ratio Lower Upper
77 100
97 20.6 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.351 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

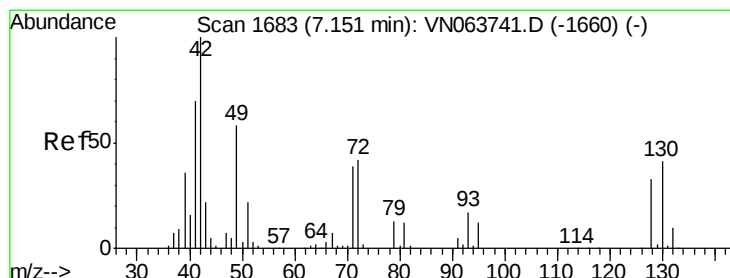
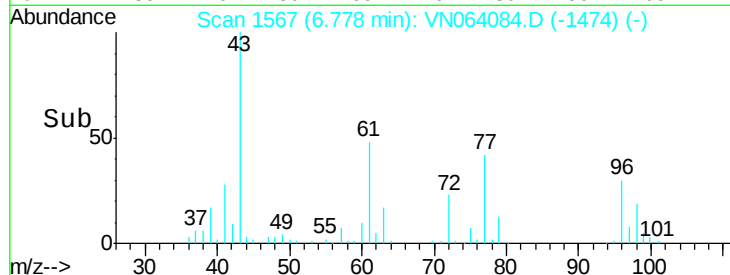
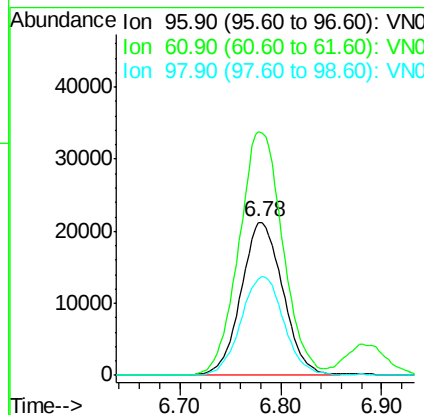
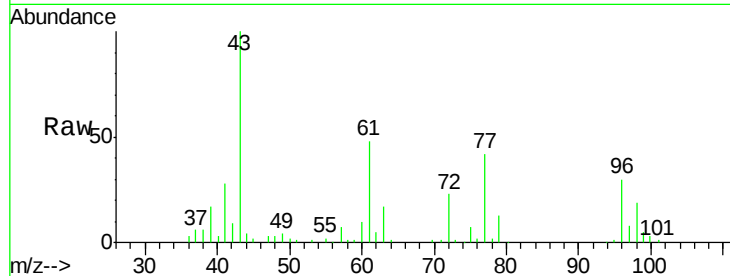
ClientSampleId :

VN1012MBS01

Tot Ion:	96	Resp:	61096
Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	321.2
98	65.9	0.0	124.4

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#28

Bromochloromethane

Concen: 19.403 ug/l

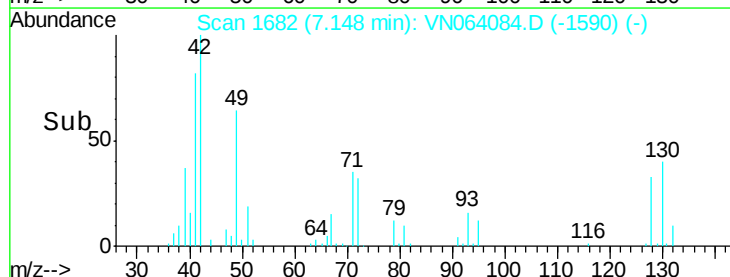
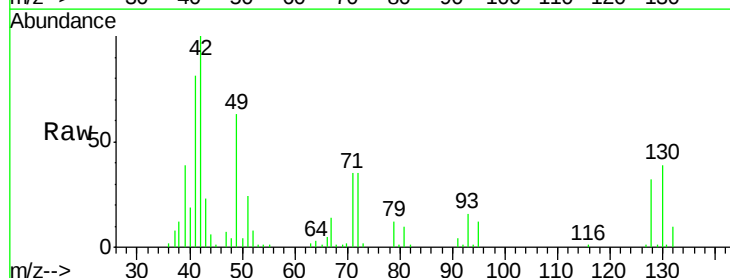
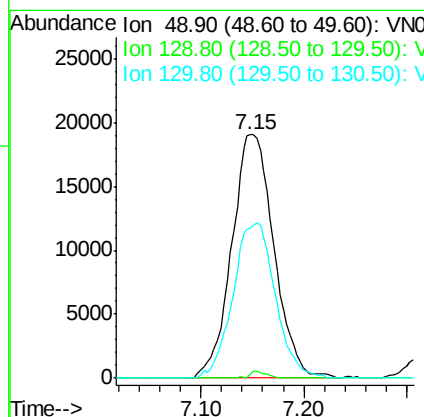
RT: 7.15 min Scan# 1682

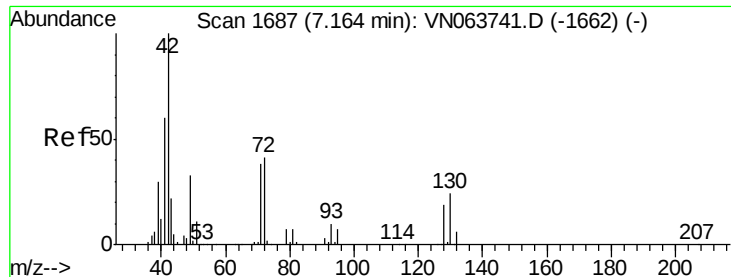
Delta R.T. -0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	49	Resp:	54167
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.8
130	63.7	55.6	83.4





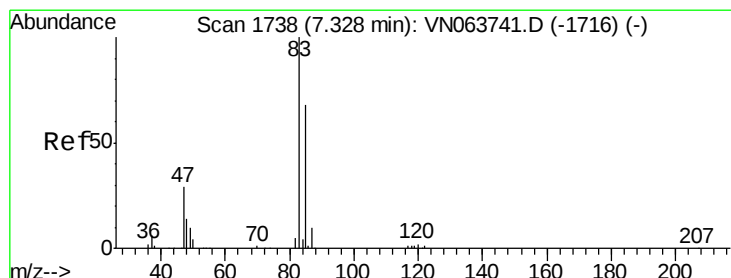
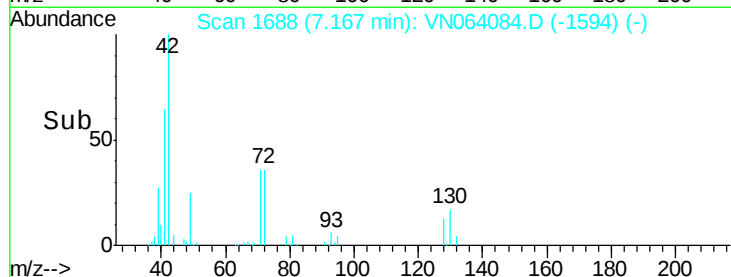
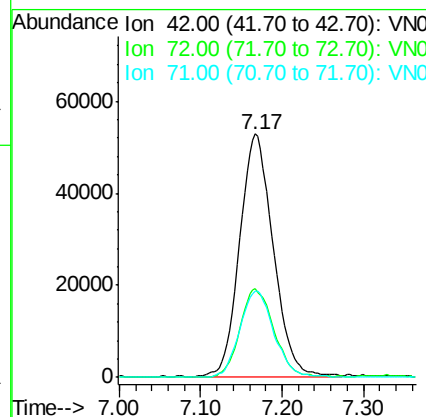
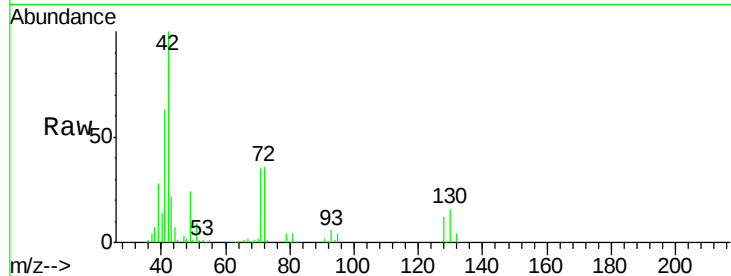
#29
Tetrahydrofuran
Concen: 122.542 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	32.8	49.2
71	35.8	30.6	45.8

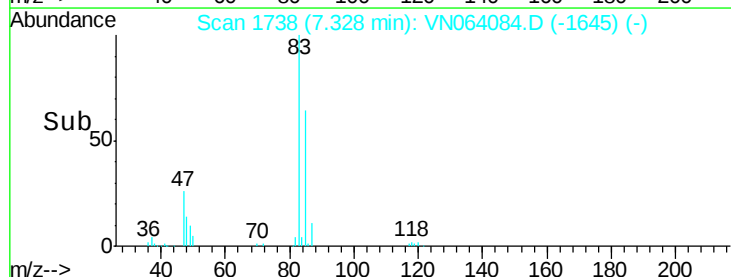
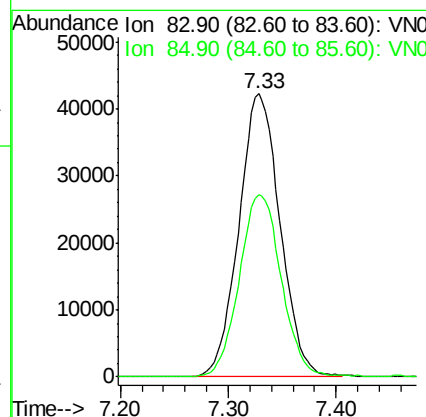
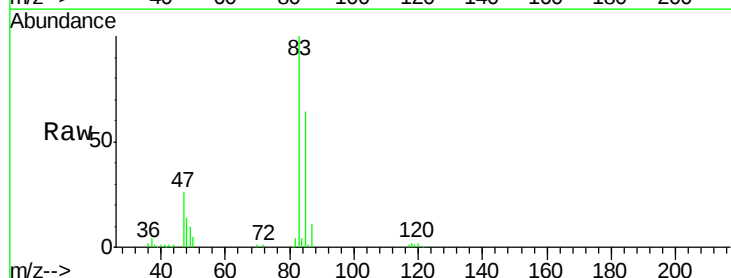
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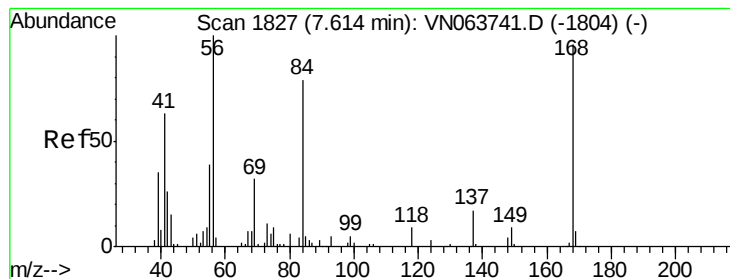
MMDadoda
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#30
Chloroform
Concen: 19.043 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	54.6	82.0





#31

Cvclohexane

Concen: 18.021 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

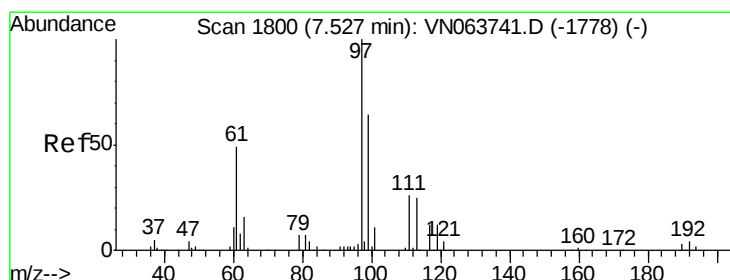
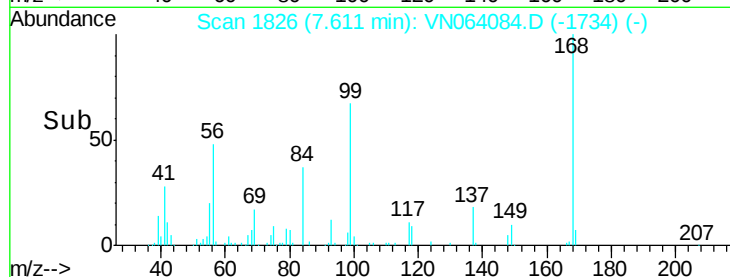
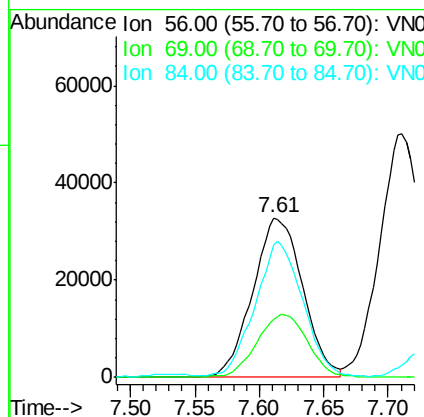
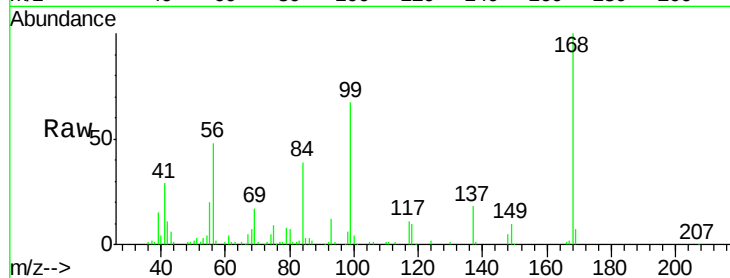
ClientSampleId :

VN1012MBS01

Tot Ion:	56	Resp:	88710
Ion Ratio	Lower	Upper	
56	100		
69	36.2	25.4	38.2
84	81.1	63.3	94.9

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#32

1,1,1-Trichloroethane

Concen: 18.873 ug/l

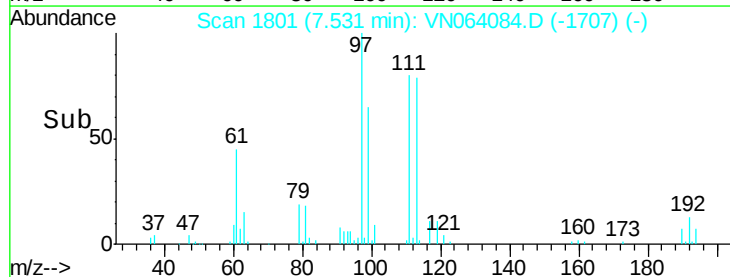
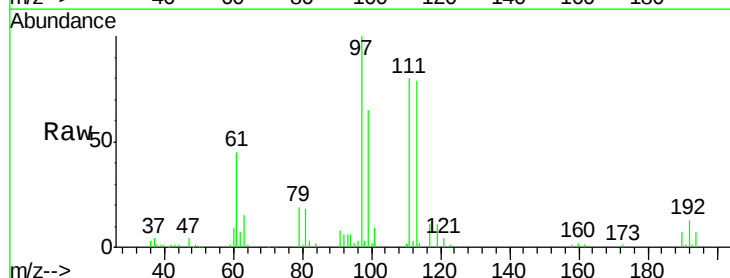
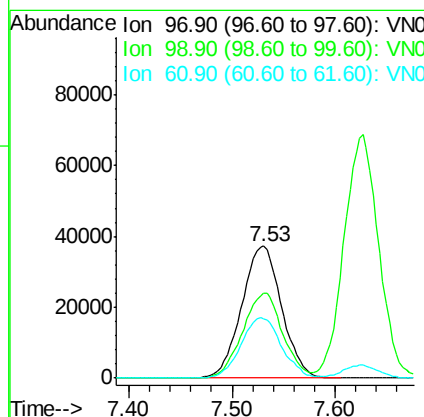
RT: 7.53 min Scan# 1801

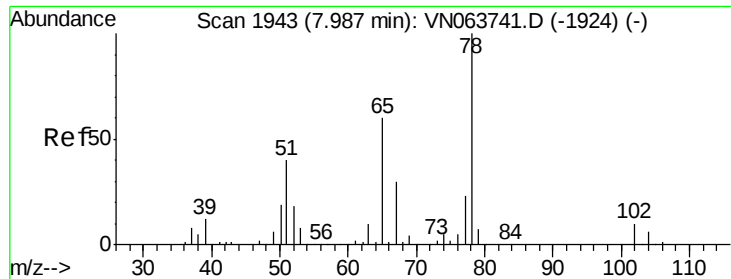
Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	97	Resp:	100257
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.6
61	46.5	38.7	58.1





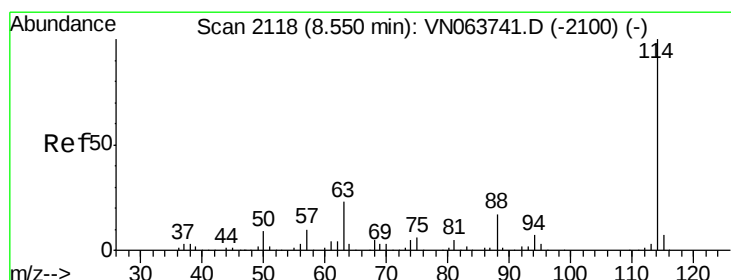
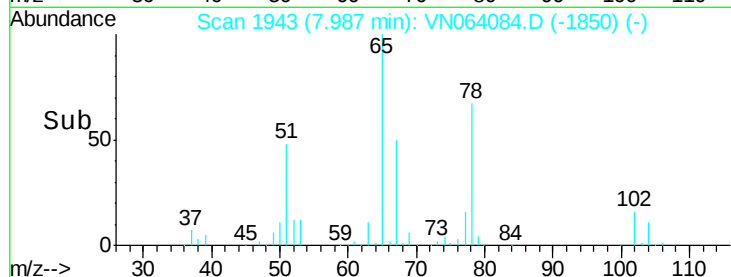
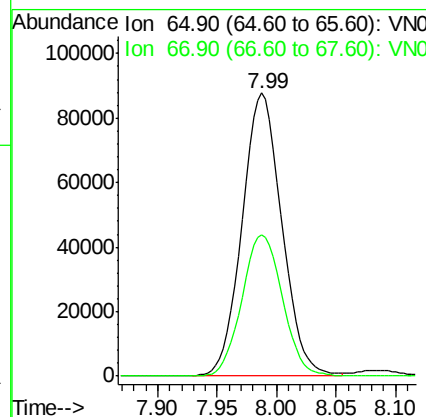
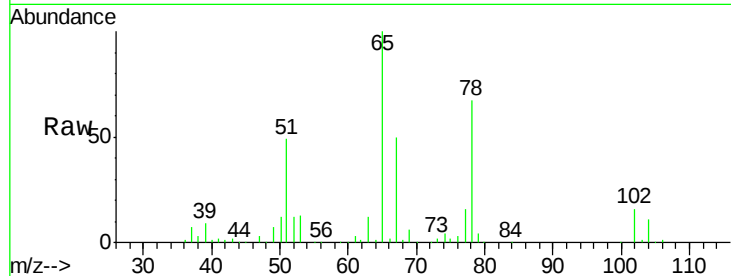
#33
 1,2-Dichloroethane-d4
 Concen: 47.991 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203488		
67	50.9	0.0	99.6	

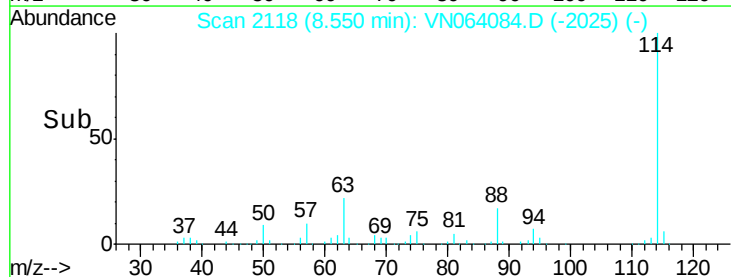
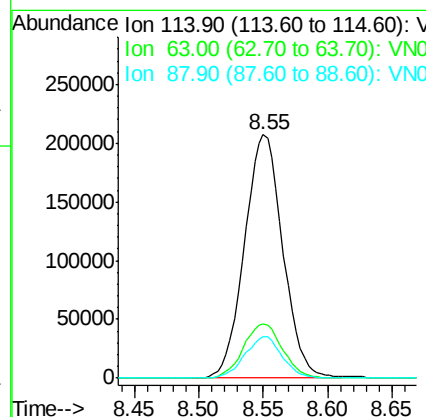
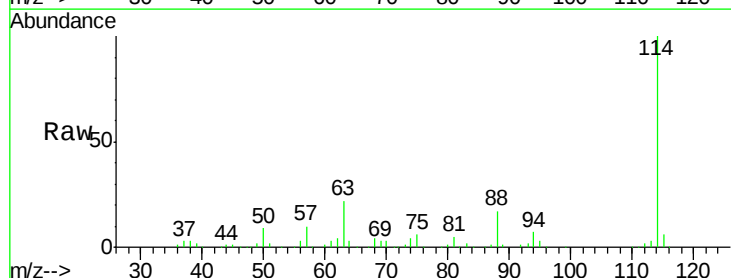
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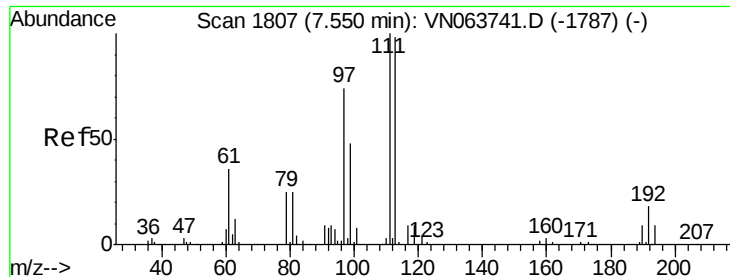
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	428587		
63	22.2	0.0	45.0	
88	17.0	0.0	34.0	





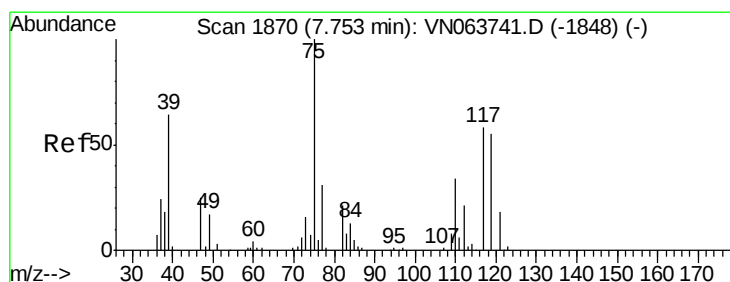
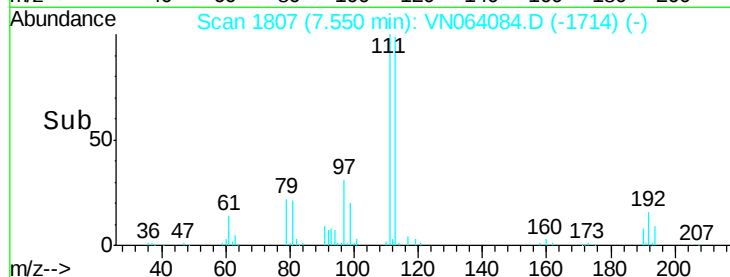
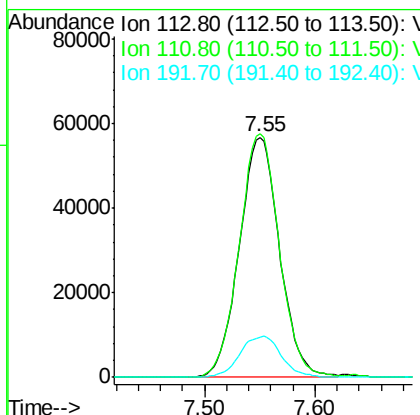
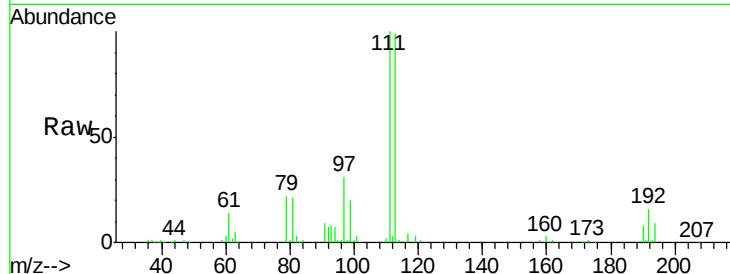
#35
Dibromofluoromethane
Concen: 48.269 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143544		
111	101.0	81.8	122.8	
192	17.6	14.2	21.2	

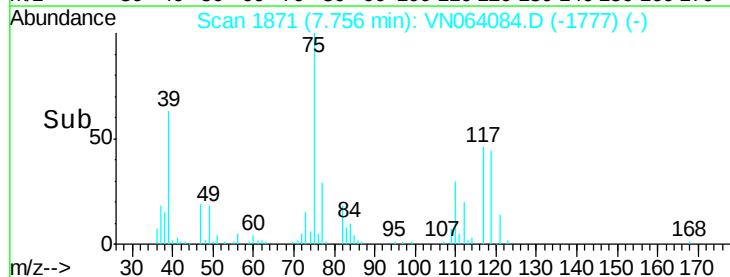
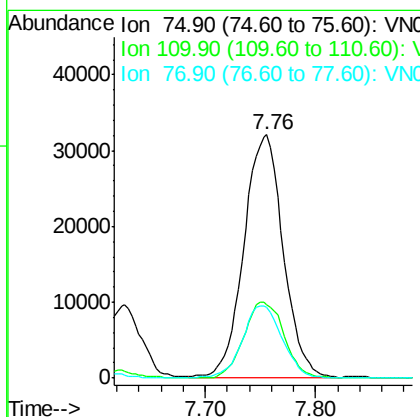
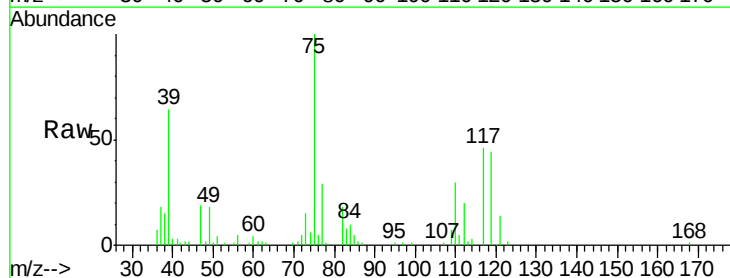
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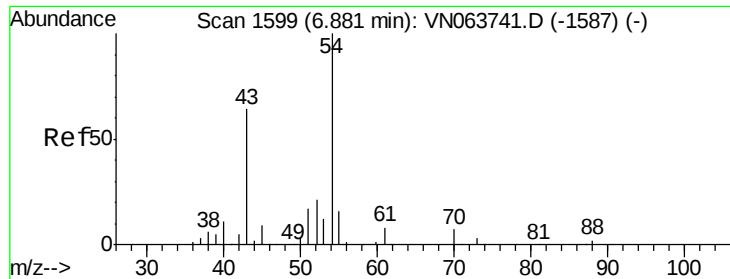
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#36
1,1-Dichloropropene
Concen: 18.315 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79523		
110	31.9	16.9	50.6	
77	29.9	24.5	36.7	





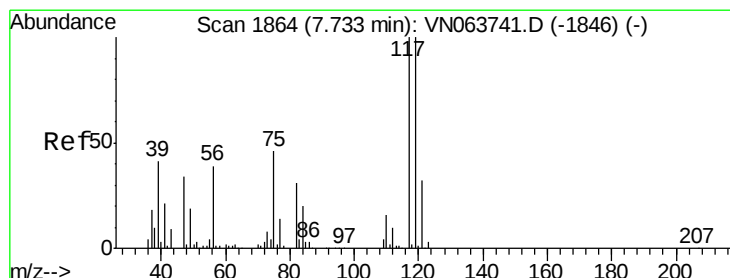
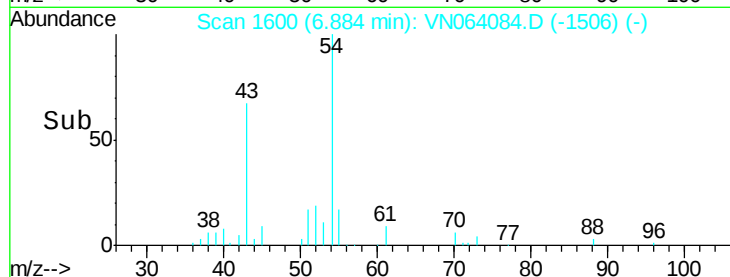
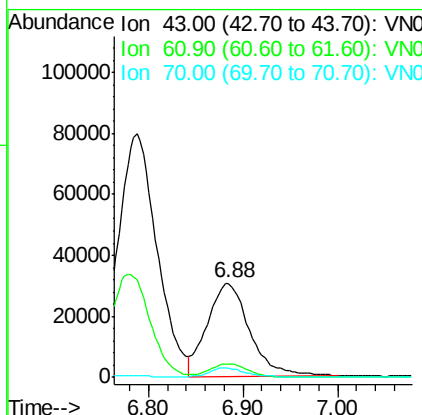
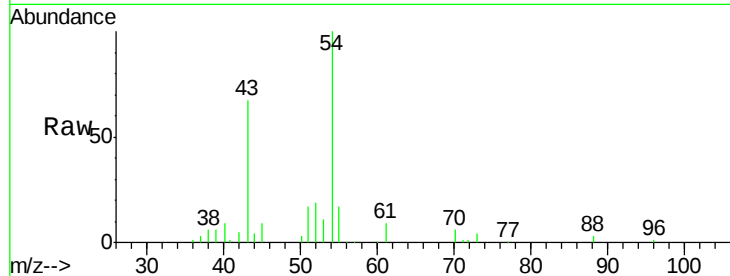
#37
Ethyl Acetate
Concen: 21.829 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	43	61	70
Resp	94166		
Ratio	100	12.1	9.1
Lower		10.4	7.3
Upper		15.6	10.9

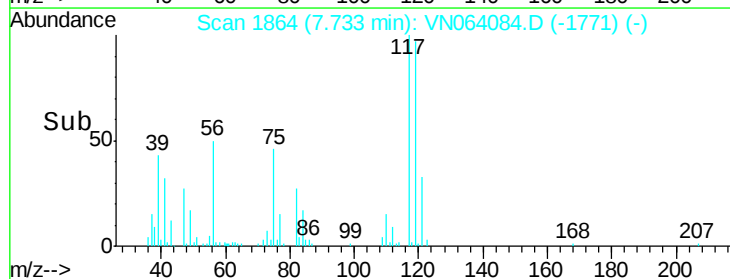
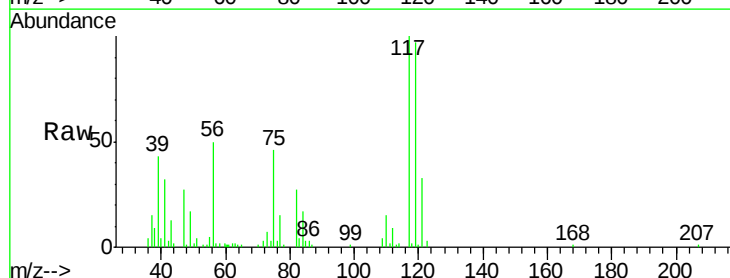
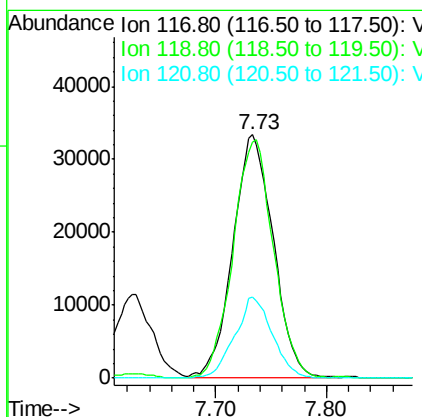
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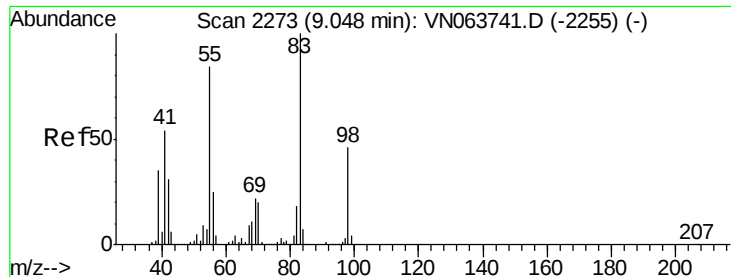
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#38
Carbon Tetrachloride
Concen: 17.430 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	117	119	121
Resp	84867		
Ratio	100	97.0	33.5
Lower		80.1	25.7
Upper		120.1	38.5





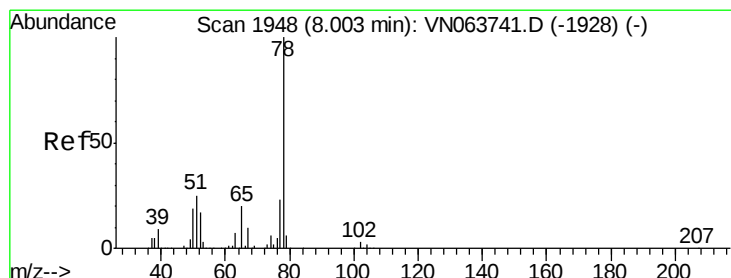
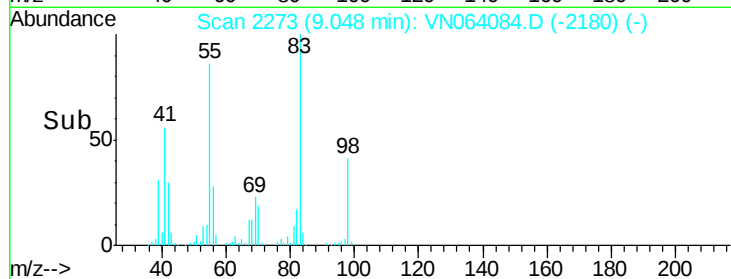
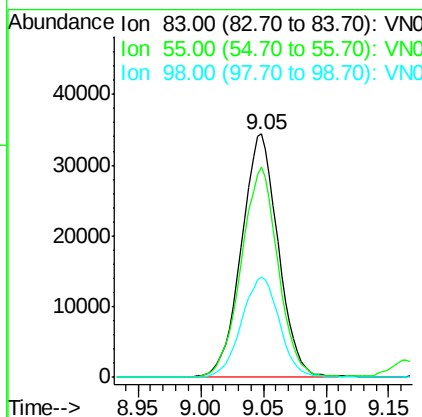
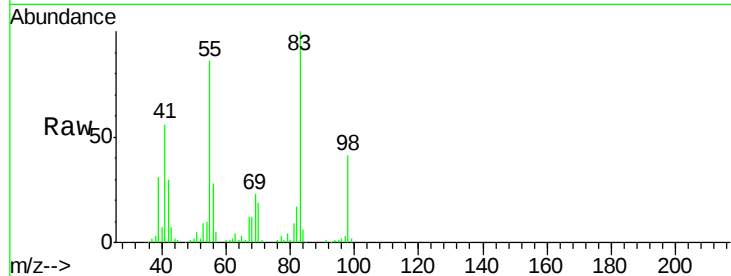
#39
Methvlcvclohexane
Concen: 16.172 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.4	67.1	100.7
98	41.4	36.6	54.8

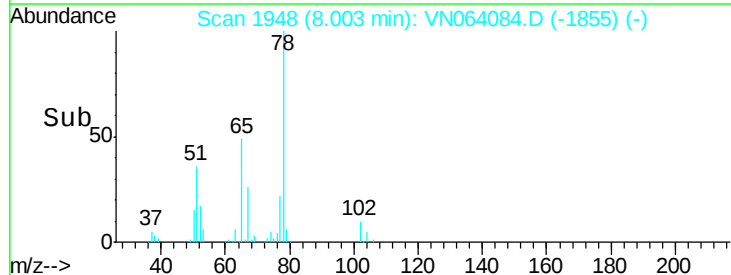
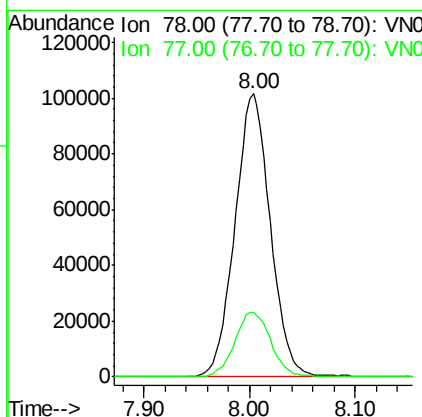
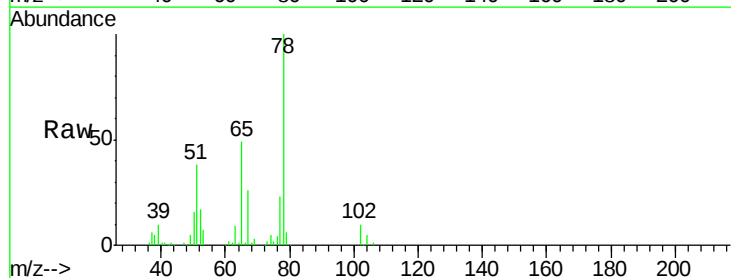
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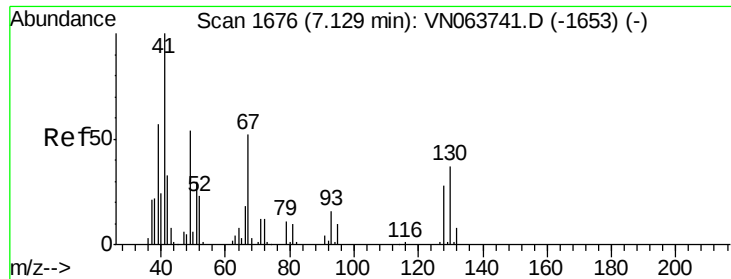
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#40
Benzene
Concen: 19.077 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.7	28.1





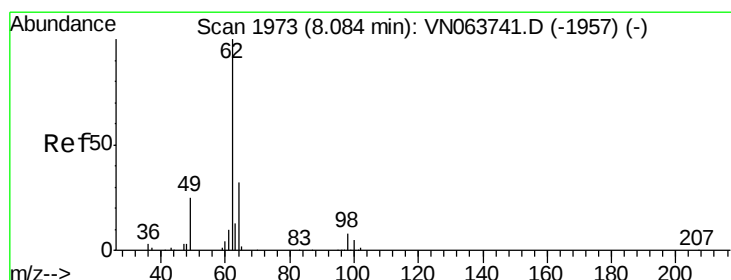
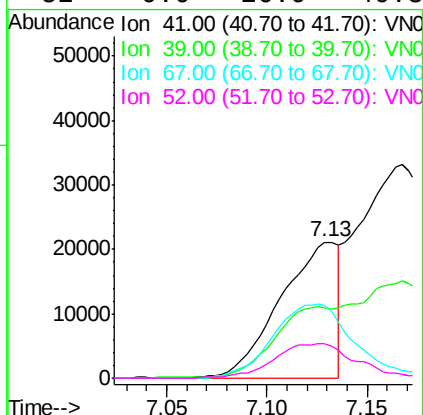
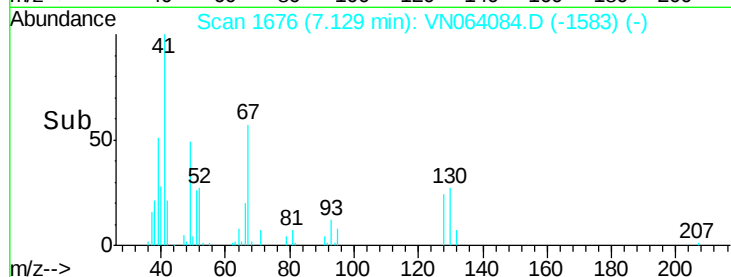
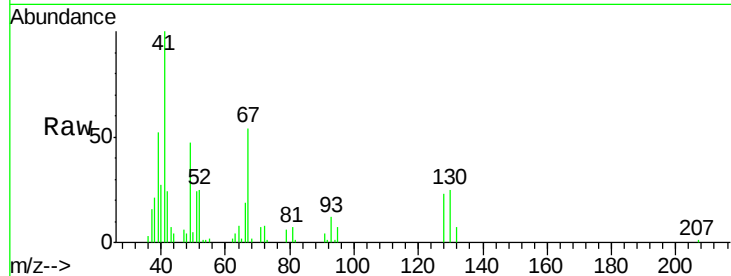
#41
Methacrylonitrile
Concen: 21.951 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

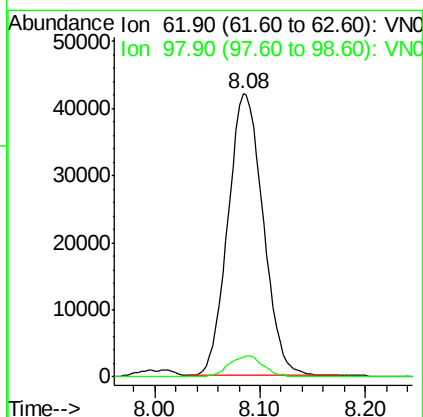
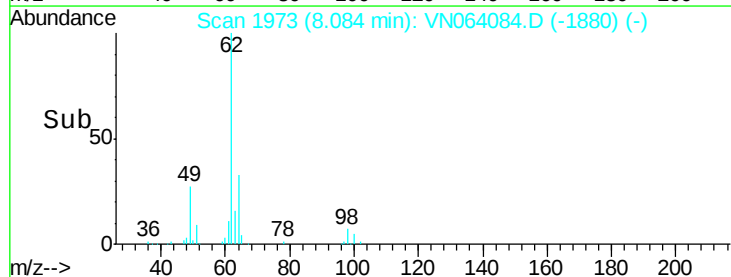
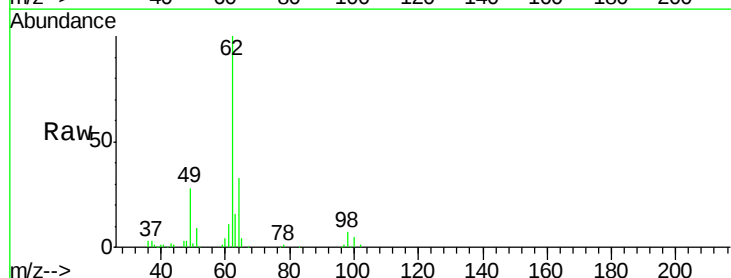
Manual Integrations
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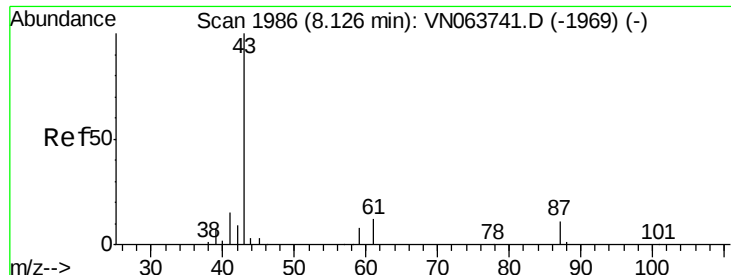
MMDadoda
10/13/2020 4:09:48 PM



#42
1,2-Dichloroethane
Concen: 18.349 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.0





#43

Isopropyl Acetate

Concen: 20.937 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

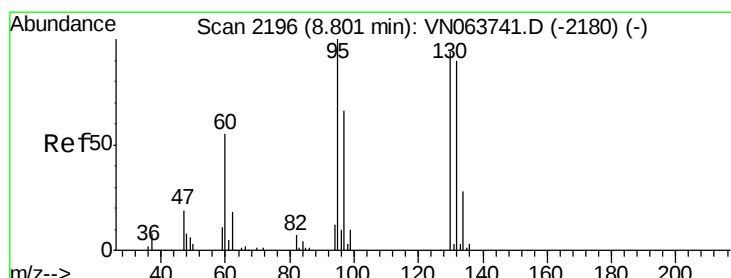
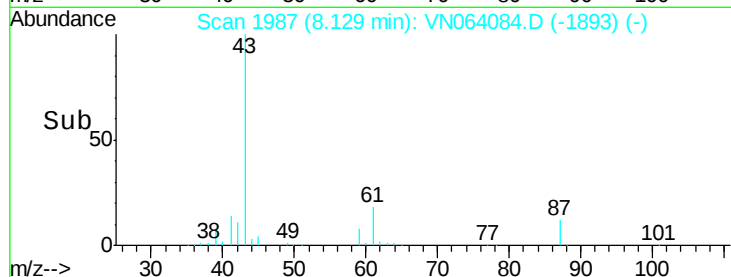
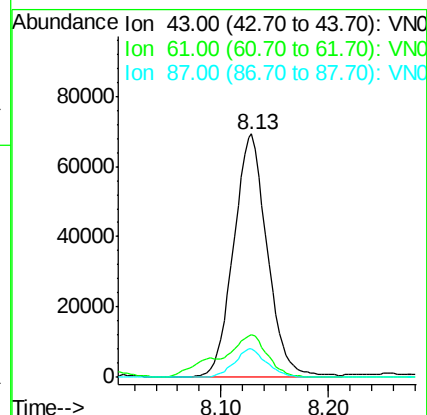
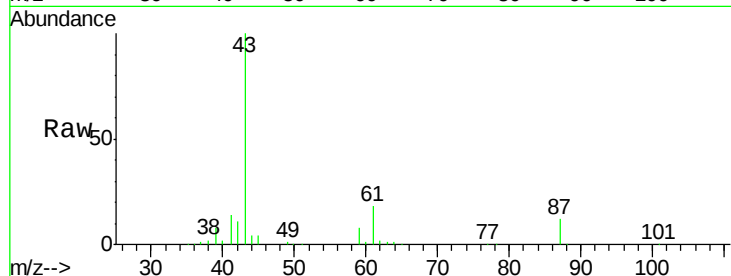
ClientSampleId :

VN1012MBS01

Tot Ion:	43	Resp:	148977
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.2	21.4
87	11.1	9.0	13.6

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#44

Trichloroethene

Concen: 17.999 ug/l

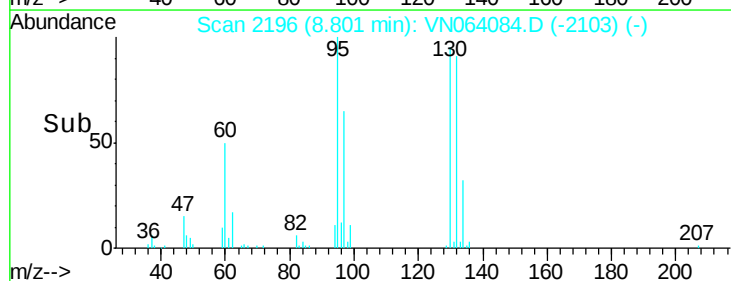
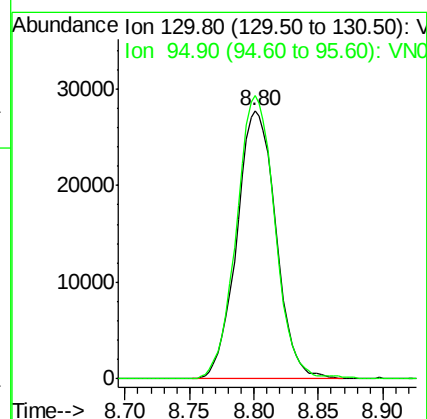
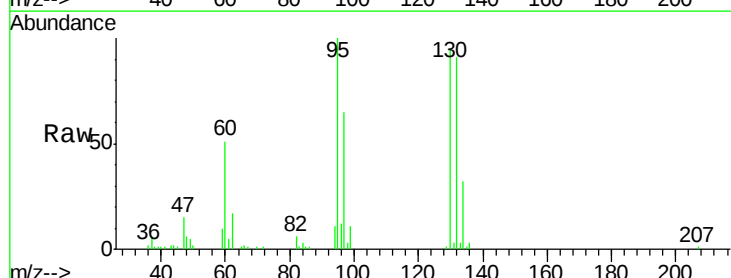
RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	130	Resp:	58488
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	213.6





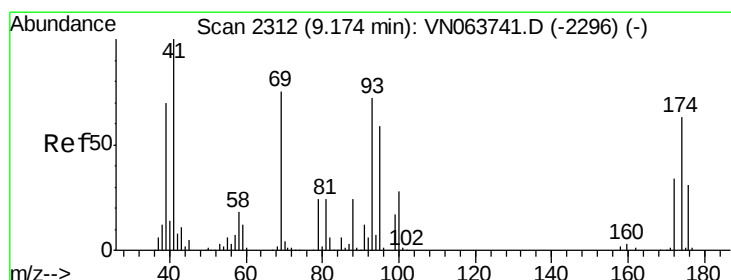
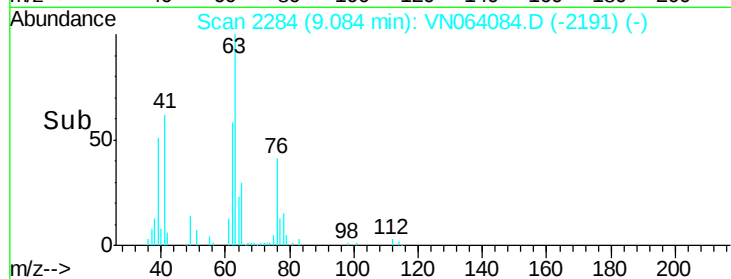
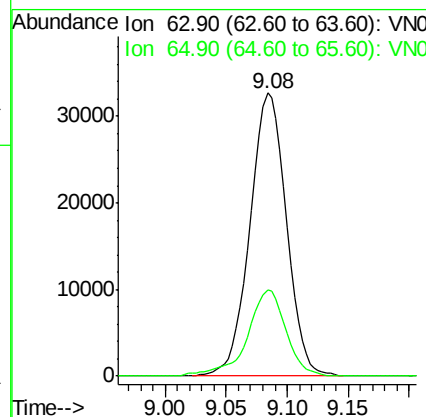
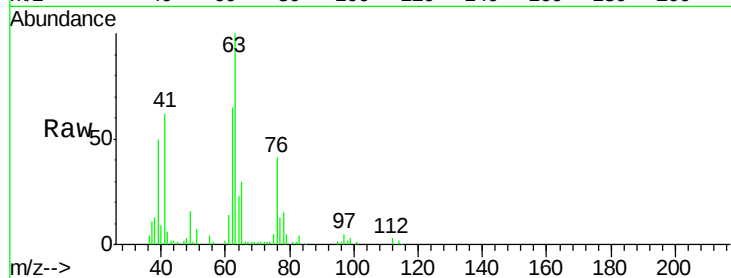
#45
 1,2-Dichloropropane
 Concen: 20.106 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion: 63 Resp: 67342
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

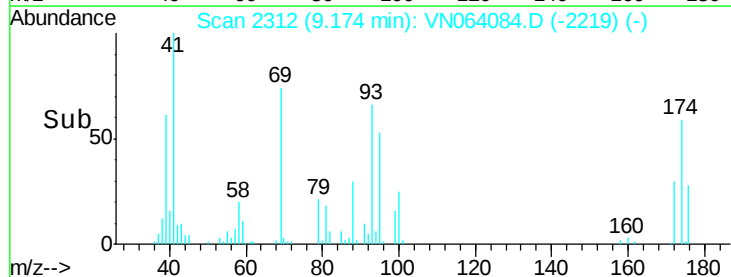
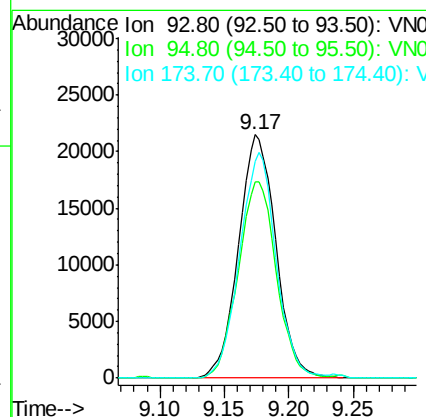
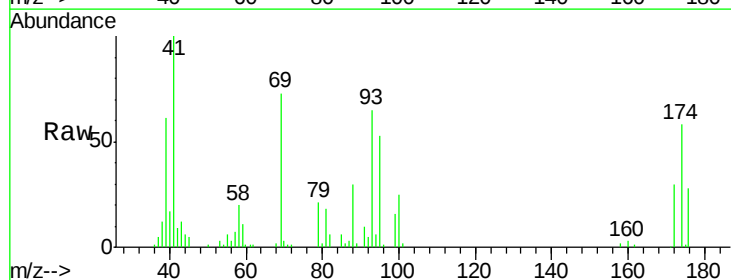
Manual Integrations
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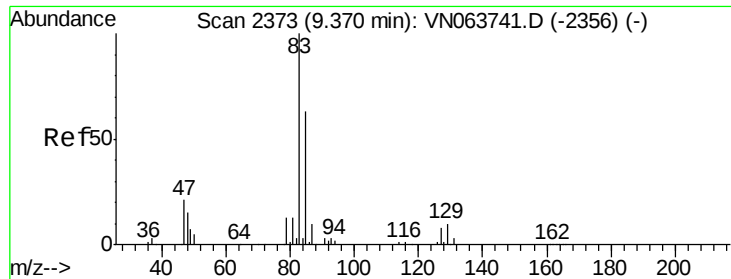
MMDadoda
 10/13/2020 4:09:48 PM



#46
 Dibromomethane
 Concen: 18.741 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion: 93 Resp: 43302
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.3 99.5
 174 90.2 72.7 109.1





#47

Bromodichloromethane

Concen: 19.022 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

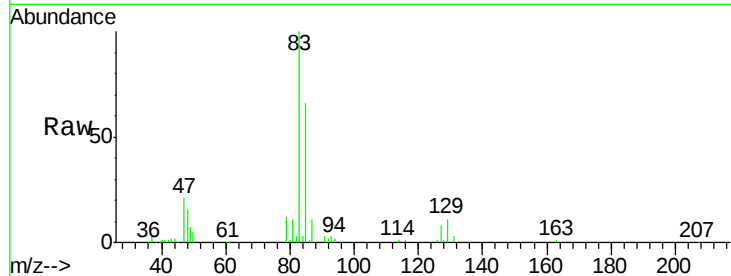
ClientSampleId :

VN1012MBS01

Tot Ion:	83	Resp:	90580
Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.6	75.8
127	8.2	6.6	9.8

Manual Integrations
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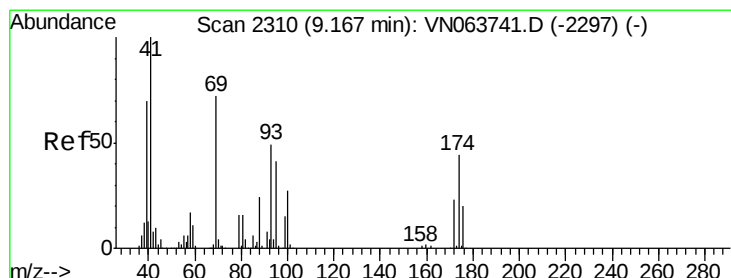
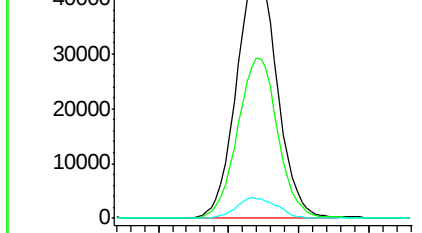
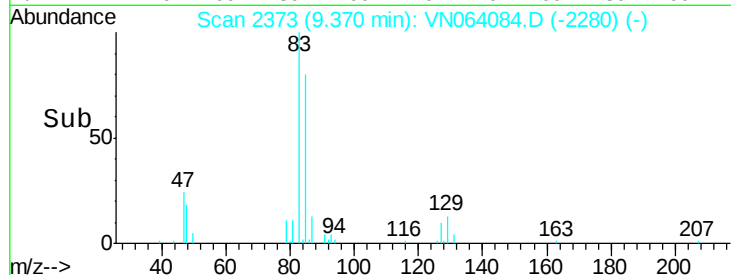


Abundance Ion 82.90 (82.60 to 83.60): VN064084.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064084.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064084.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 20.835 ug/l

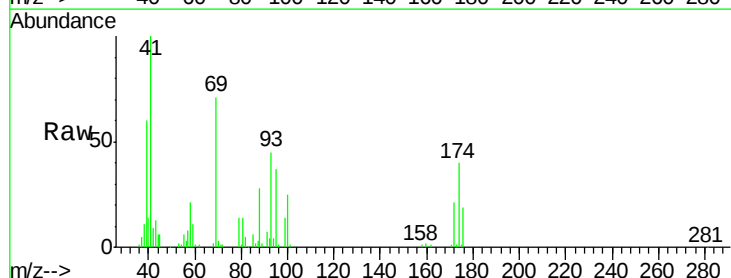
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	41	Resp:	73247
Ion	Ratio	Lower	Upper
41	100		
69	73.8	60.9	91.3
39	60.5	57.5	86.3

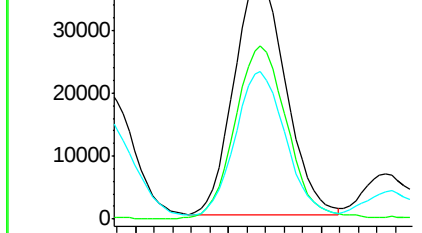
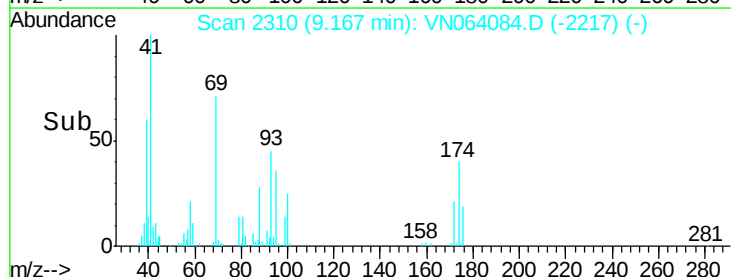


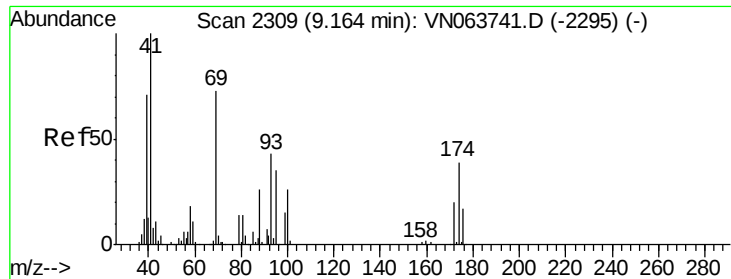
Abundance Ion 41.00 (40.70 to 41.70): VN064084.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064084.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064084.D (-2217) (-)

Time-->





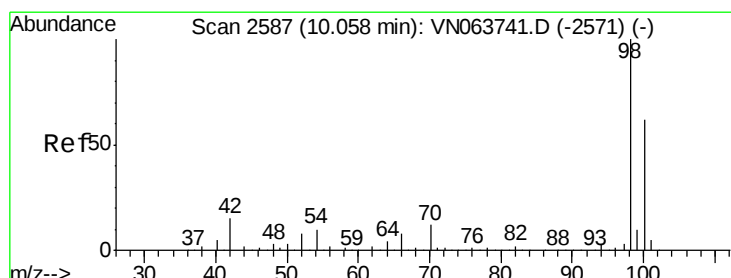
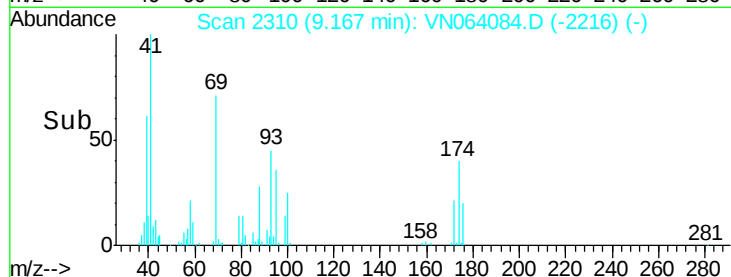
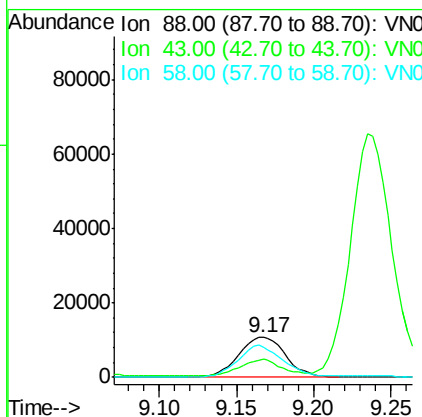
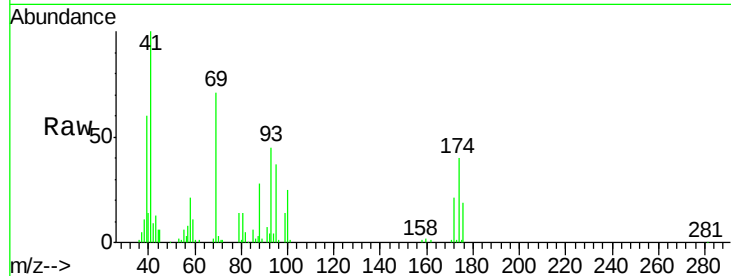
#49
1,4-Dioxane
Concen: 459.980 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion: 88 Resp: 22982
Ion Ratio Lower Upper
88 100
43 37.8 33.1 49.7
58 75.7 58.9 88.3

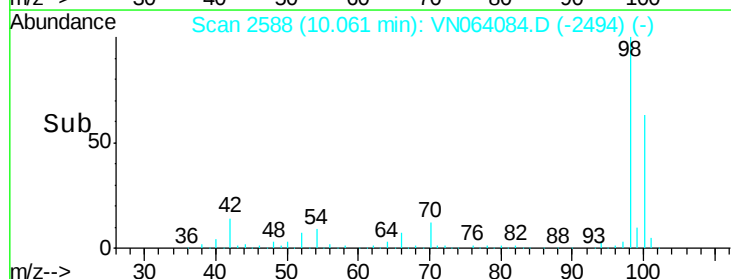
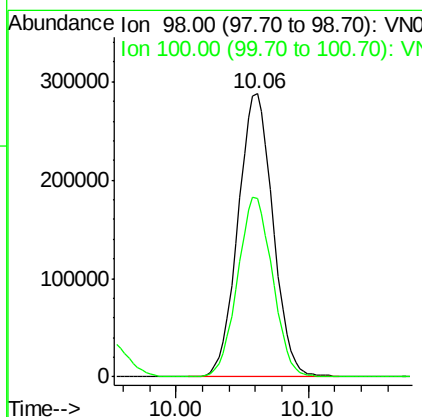
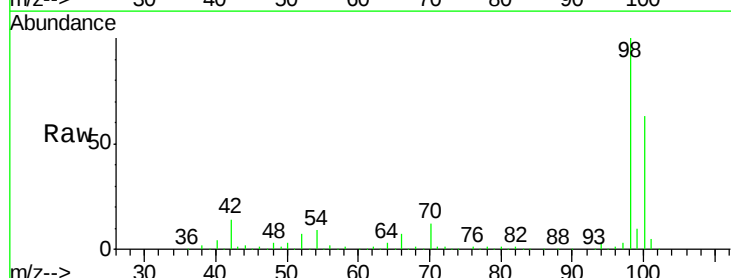
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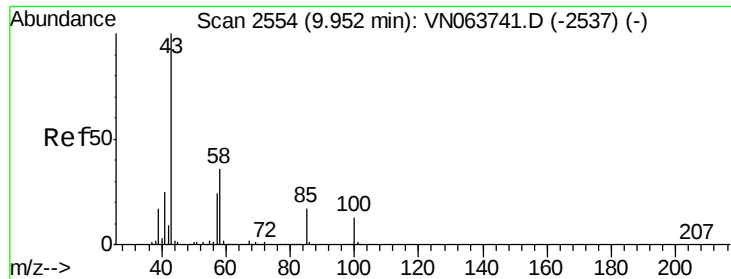
MMDadoda
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#50
Toluene-d8
Concen: 46.809 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion: 98 Resp: 527710
Ion Ratio Lower Upper
98 100
100 63.0 49.8 74.6





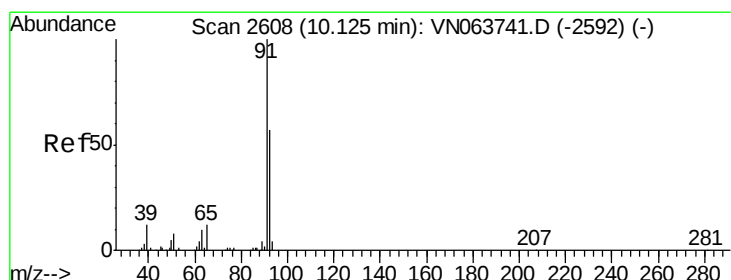
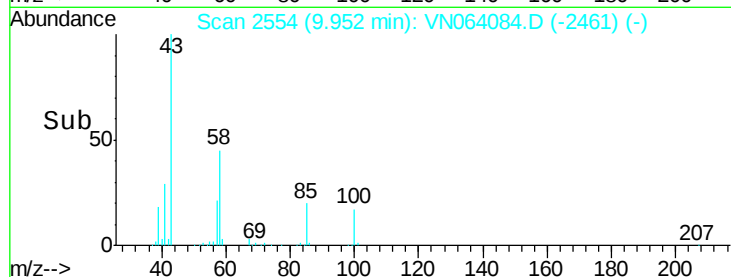
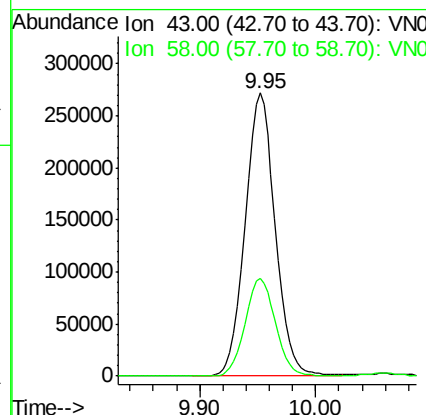
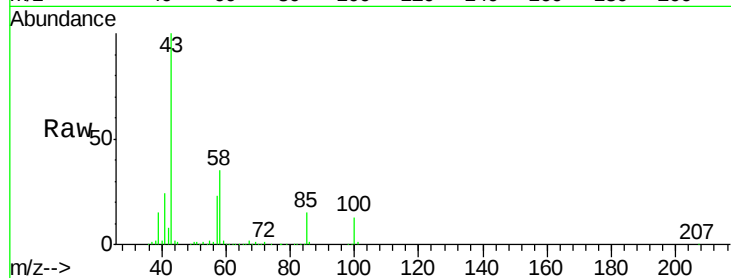
#51
4-Methyl-2-Pentanone
Concen: 116.503 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	43	Resp	486480
Ion Ratio	100	Lower	Upper
58	35.2	28.4	42.6

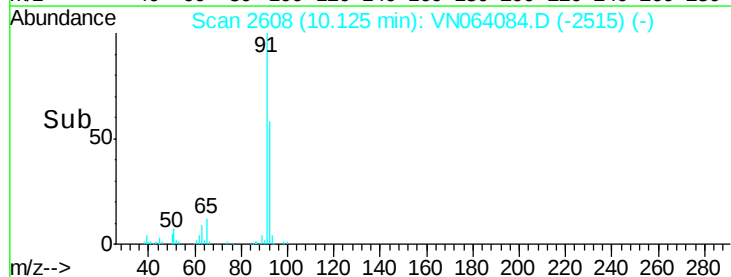
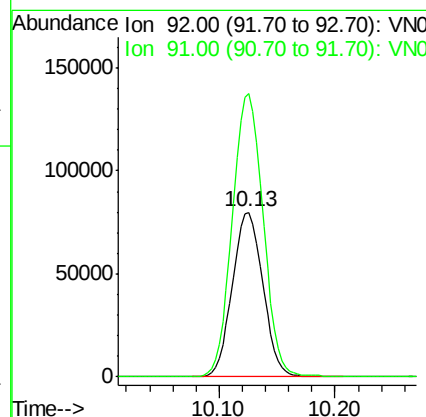
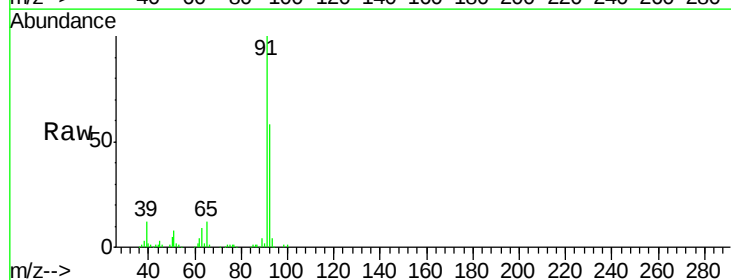
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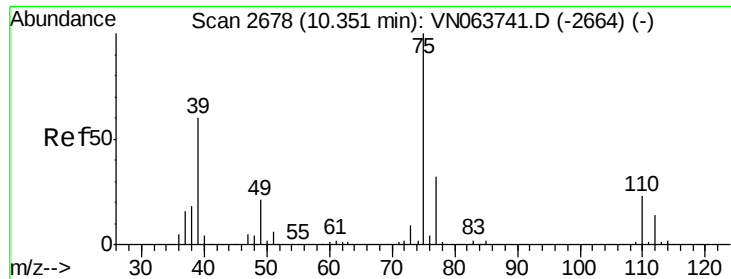
MMDadoda
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#52
Toluene
Concen: 18.966 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	92	Resp	145488
Ion Ratio	100	Lower	Upper
91	173.1	140.6	210.8





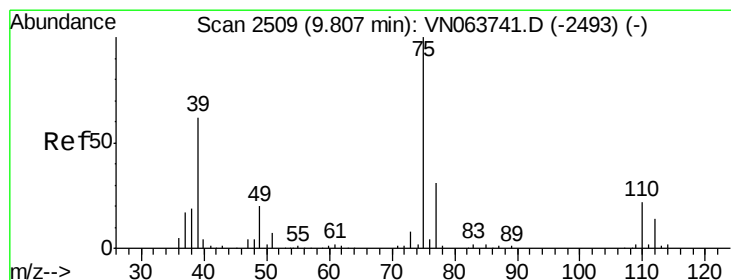
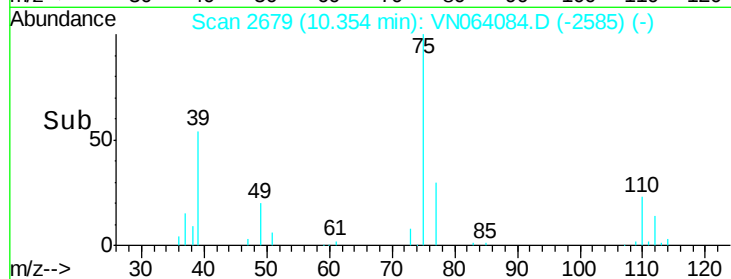
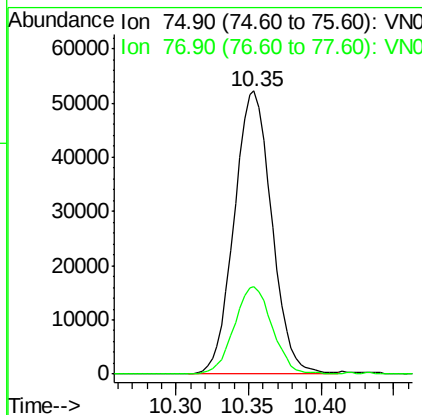
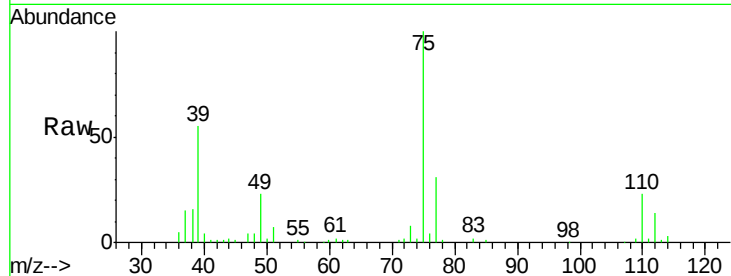
#53
 t-1,3-Dichloropropene
 Concen: 18.444 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion: 75 Resp: 94146
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.3 37.9

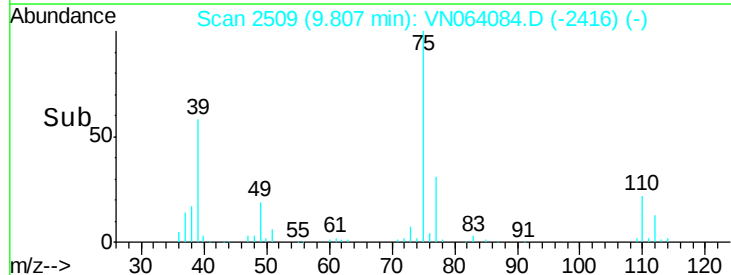
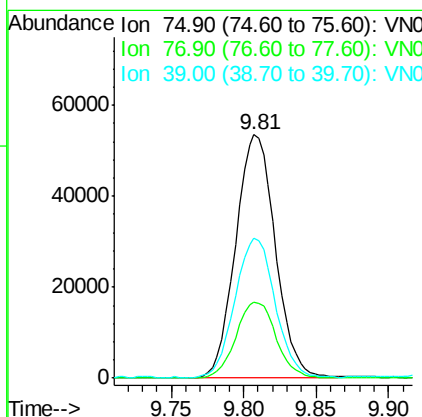
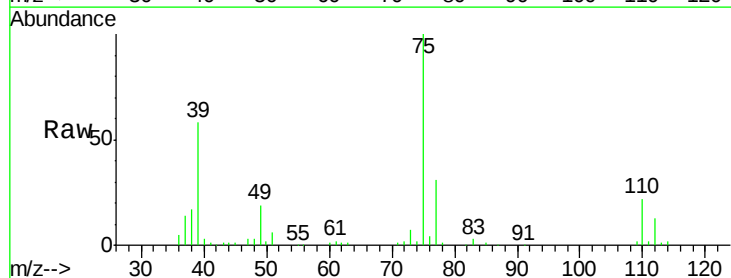
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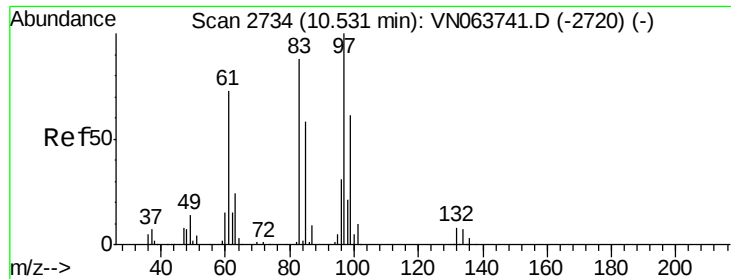
MMDadoda
 10/13/2020 4:09:48 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.114 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion: 75 Resp: 102039
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8
 39 57.6 49.7 74.5





#55

1,1,2-Trichloroethane

Concen: 19.698 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 97 Resp: 60596

Ion Ratio Lower Upper

97 100

83 87.8 70.7 106.1

85 58.1 46.1 69.1

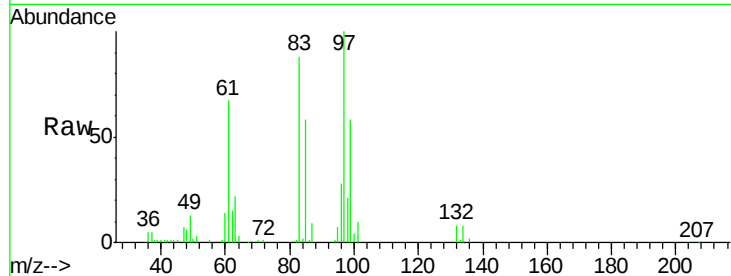
99 58.0 48.8 73.2

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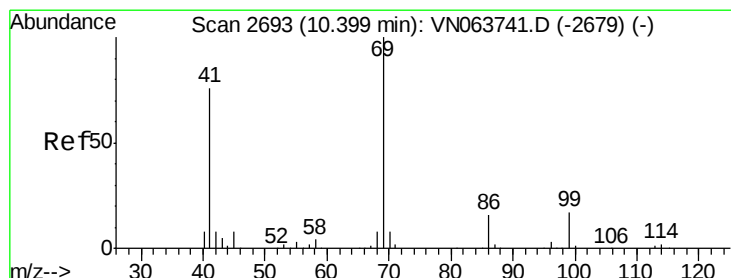
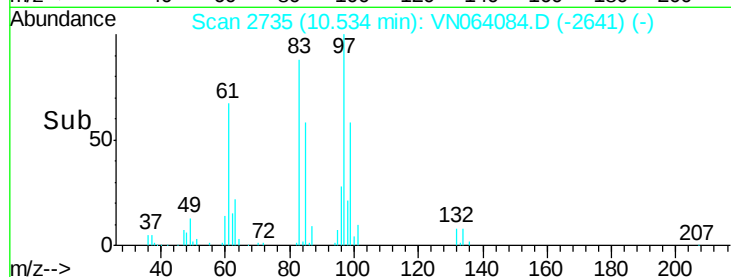
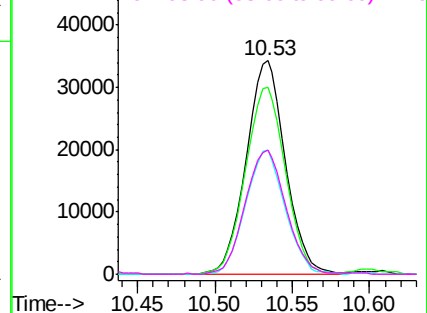
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.316 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

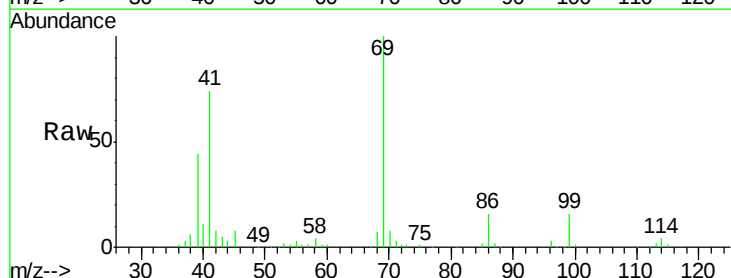
Tgt Ion: 69 Resp: 88590

Ion Ratio Lower Upper

69 100

41 76.0 61.1 91.7

39 44.5 42.2 63.4

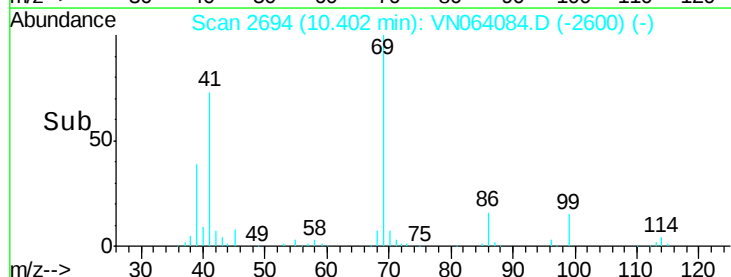
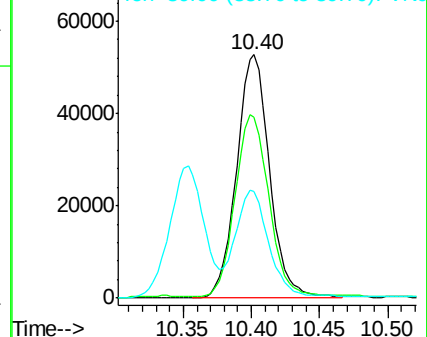


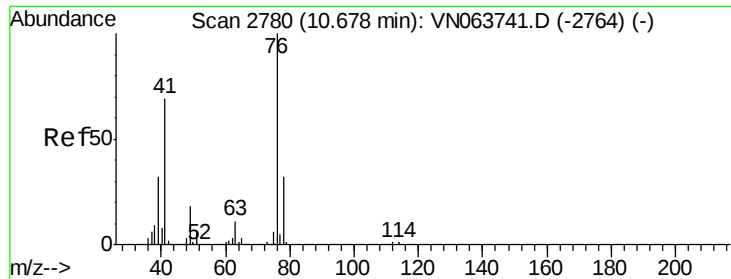
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.143 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 76 Resp: 104835

Ion Ratio Lower Upper

76 100

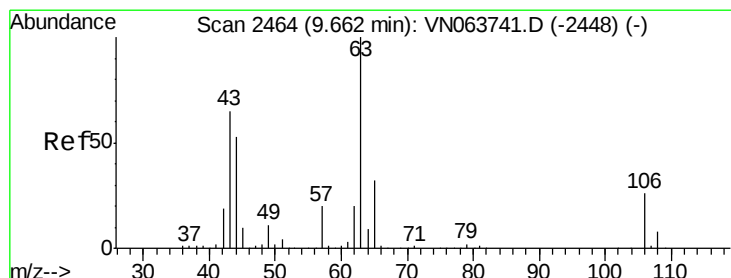
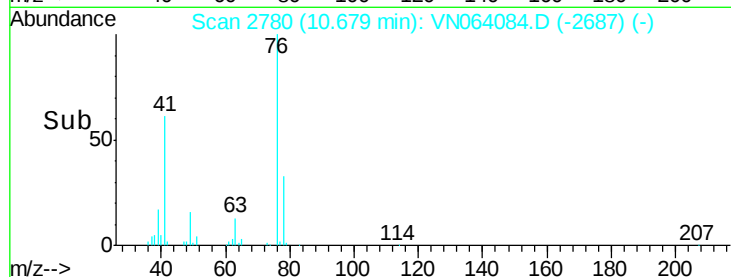
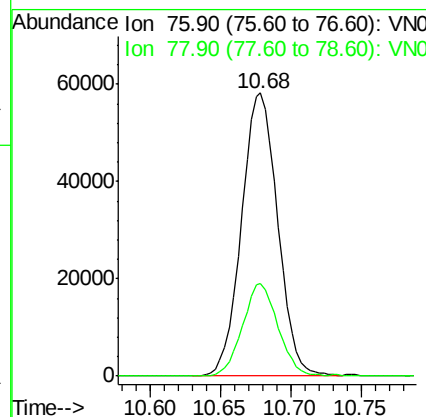
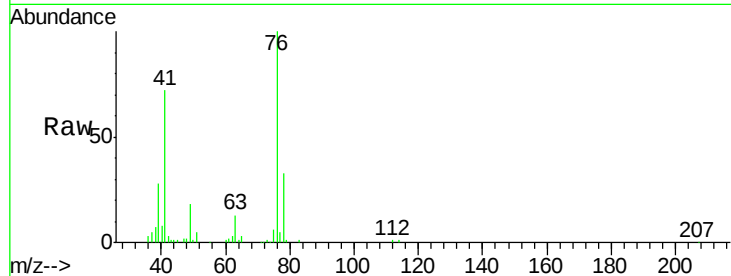
78 32.0 25.2 37.8

Manual Integrations

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10/13/2020 4:09:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.961 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064084.D

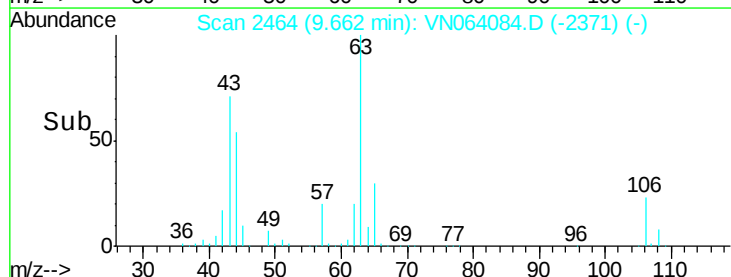
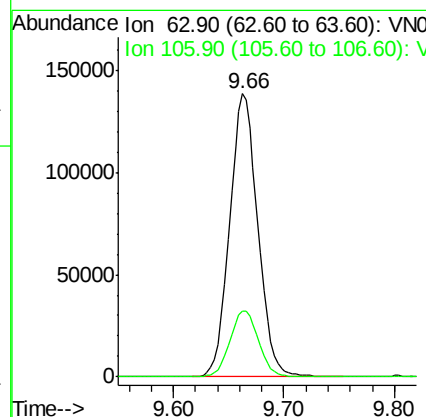
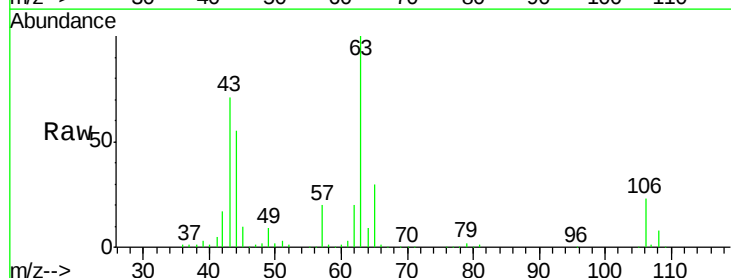
Acq: 12 Oct 2020 17:50

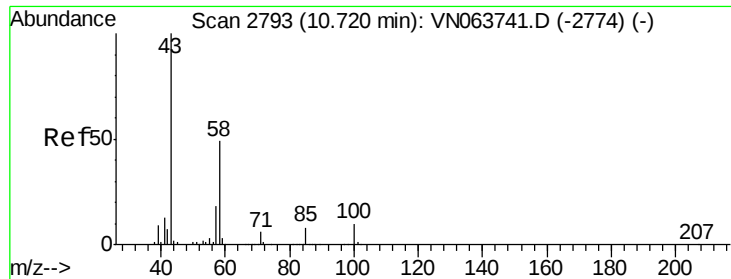
Tgt Ion: 63 Resp: 244824

Ion Ratio Lower Upper

63 100

106 23.9 20.7 31.1





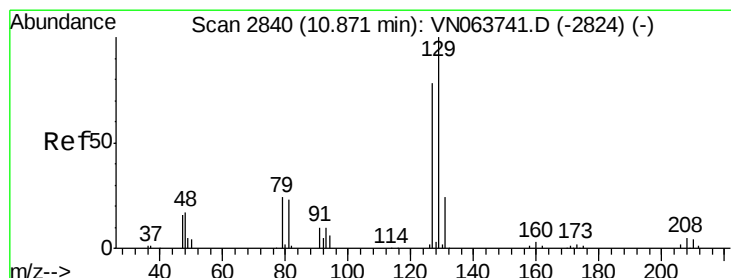
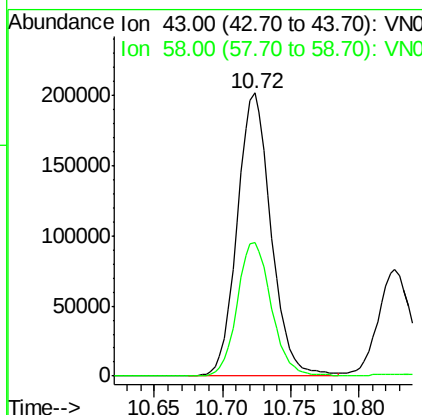
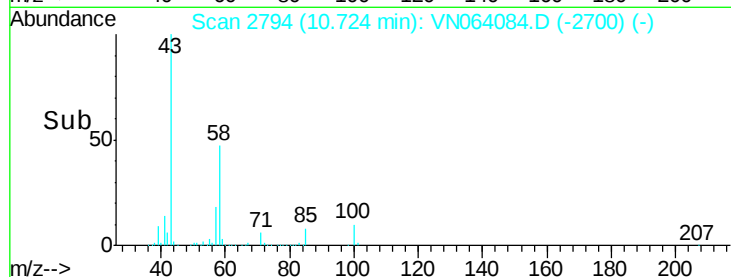
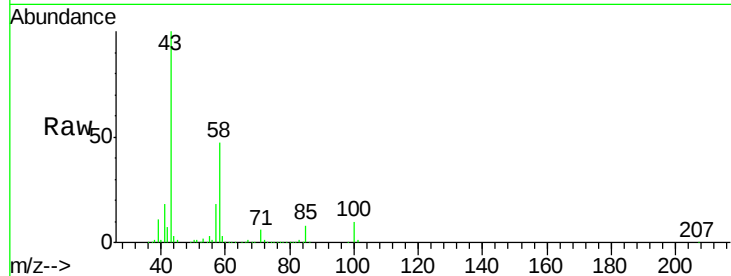
#59
2-Hexanone
Concen: 111.510 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion: 43 Resp: 345899
Ion Ratio Lower Upper
43 100
58 47.9 24.6 73.8

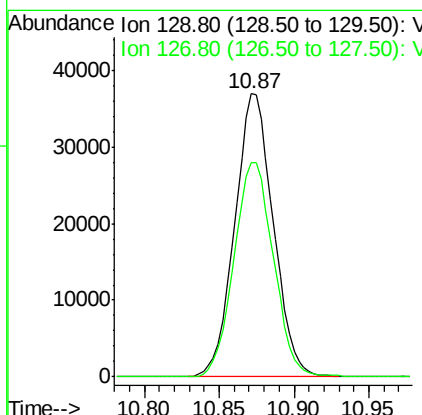
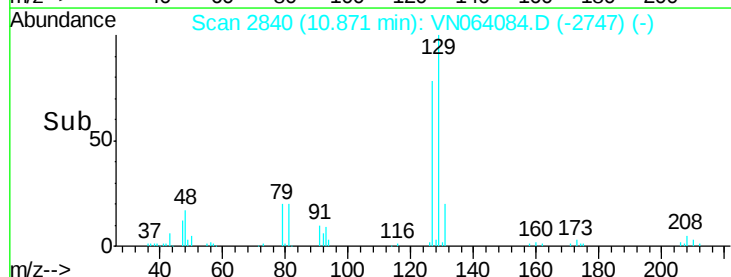
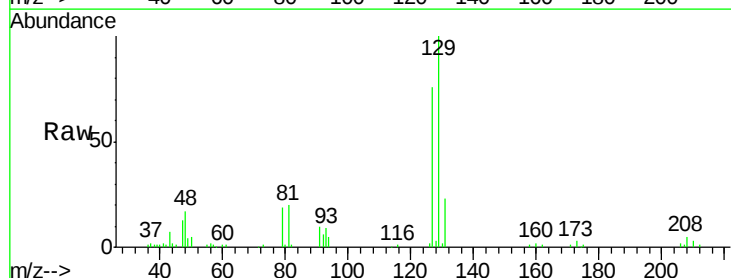
Manual Integrations
APPROVED

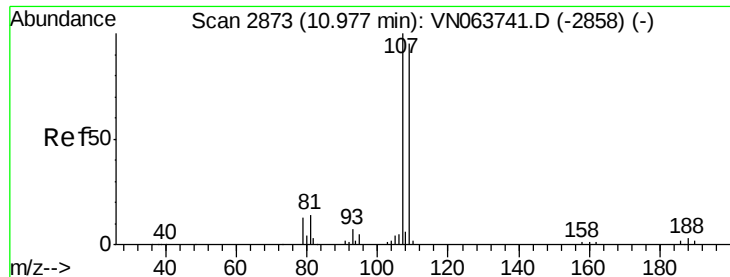
MMDadoda
10/13/2020 4:09:48 PM



#60
Dibromochloromethane
Concen: 18.483 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion:129 Resp: 66218
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





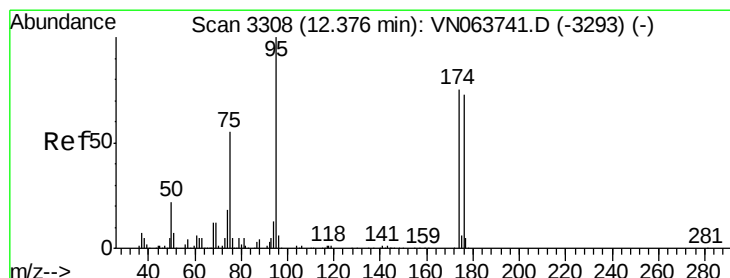
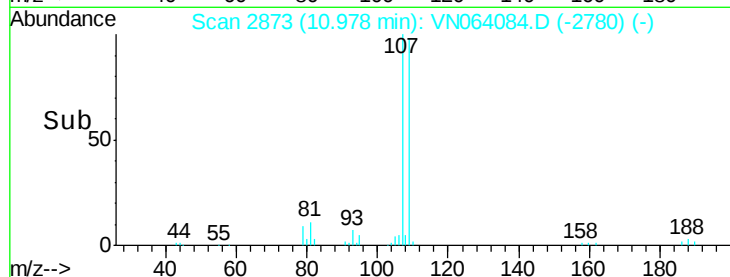
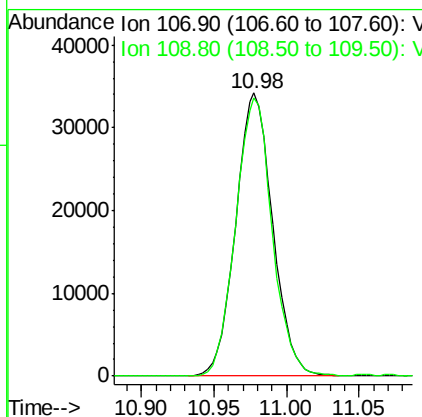
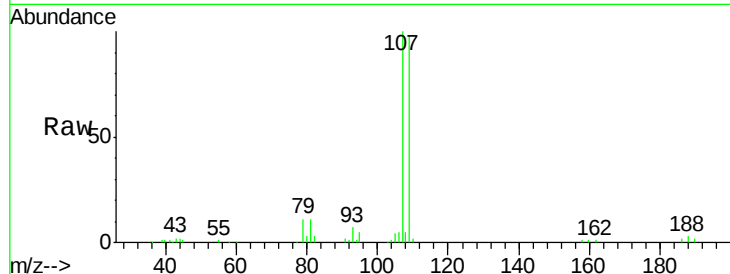
#61
 1,2-Dibromoethane
 Concen: 19.227 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	74.8	112.2

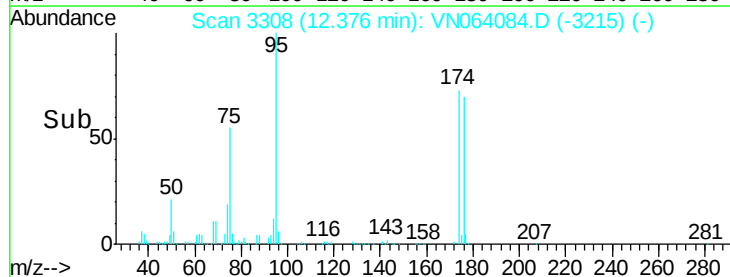
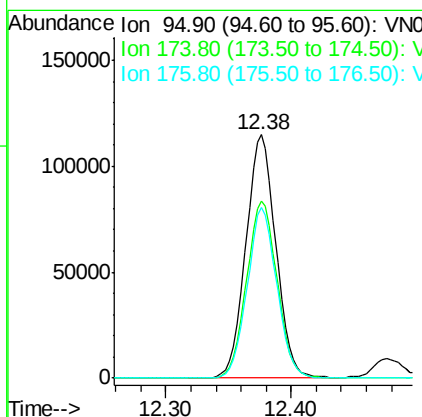
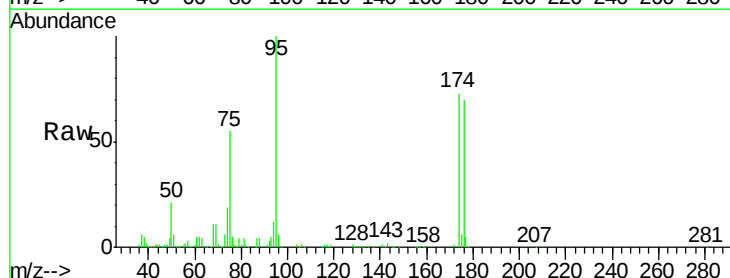
Manual Integrations
 APPROVED

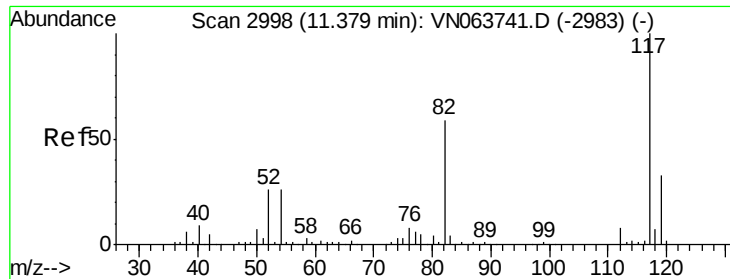
MMDadoda
 10/13/2020 4:09:48 PM



#62
 4-Bromofluorobenzene
 Concen: 45.077 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	150.6
176	68.9	0.0	145.4





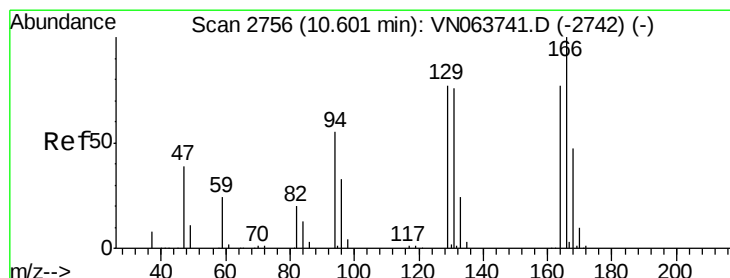
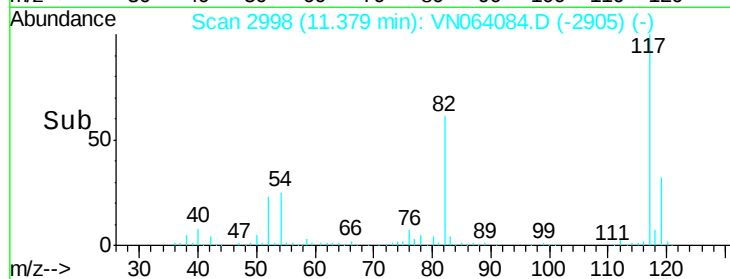
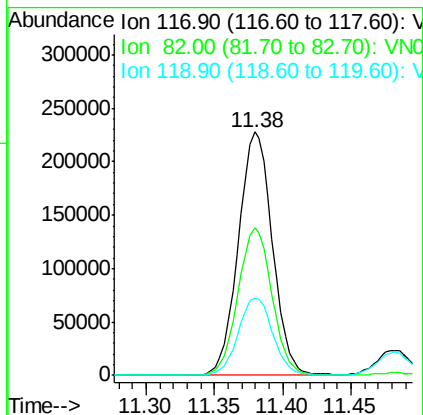
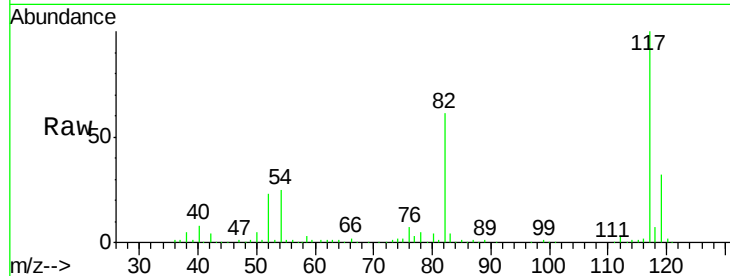
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.4	71.2
119	31.9	26.4	39.6

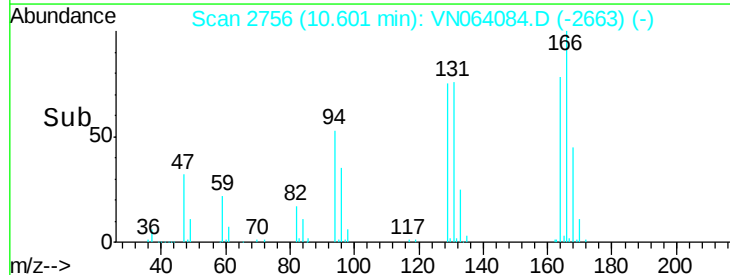
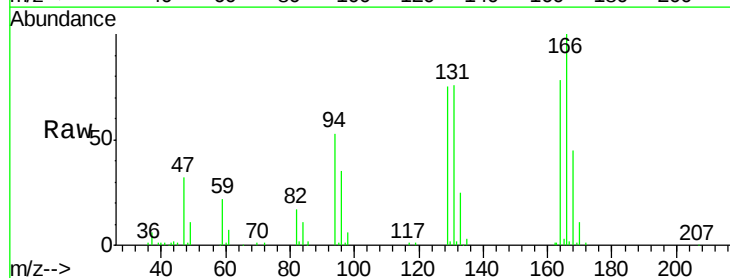
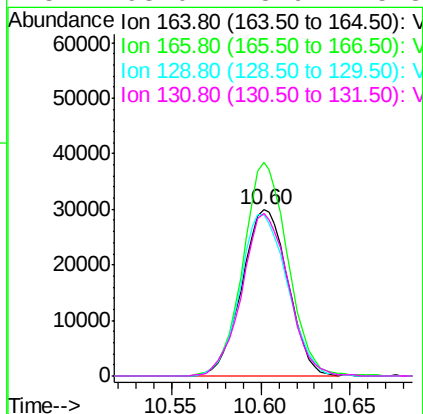
Manual Integrations
APPROVED

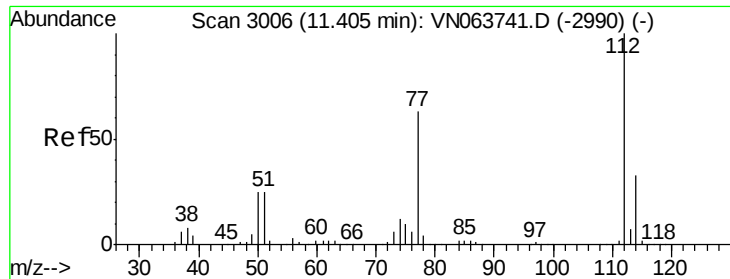
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#64
Tetrachloroethene
Concen: 17.728 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.9	155.9
129	96.8	80.3	120.5
131	98.0	78.9	118.3





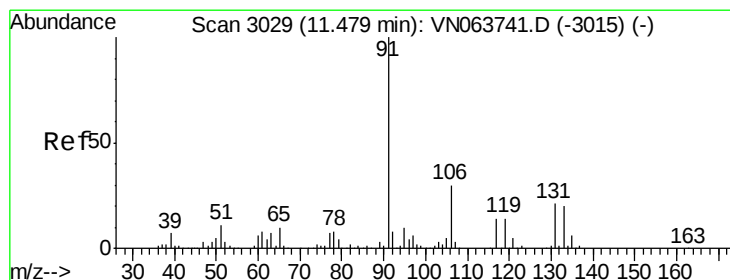
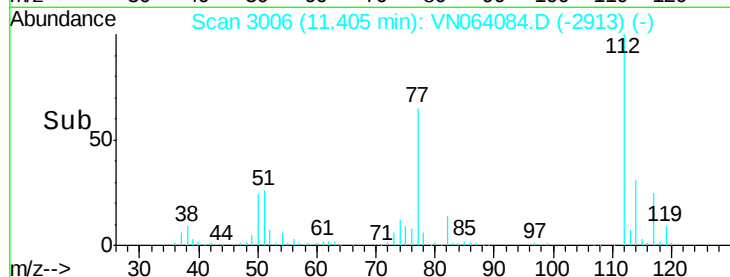
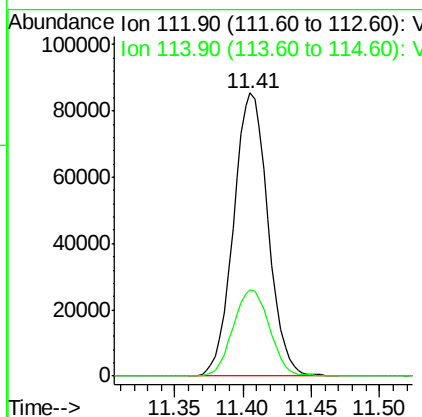
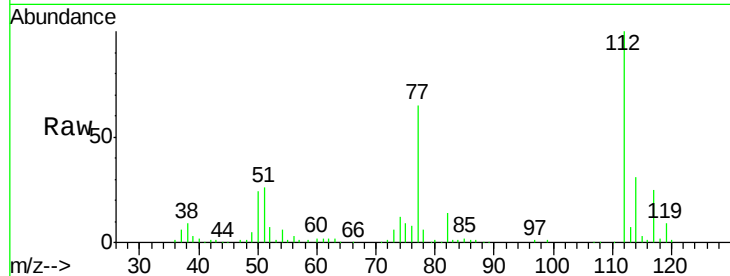
#65
Chlorobenzene
Concen: 18.506 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion:112 Resp: 149740
Ion Ratio Lower Upper
112 100
114 30.5 26.1 39.1

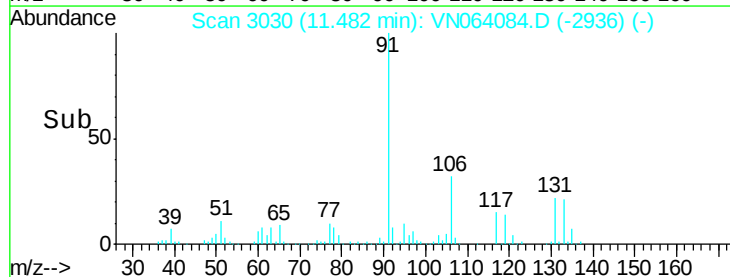
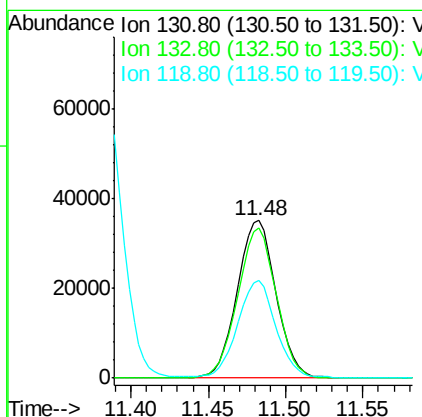
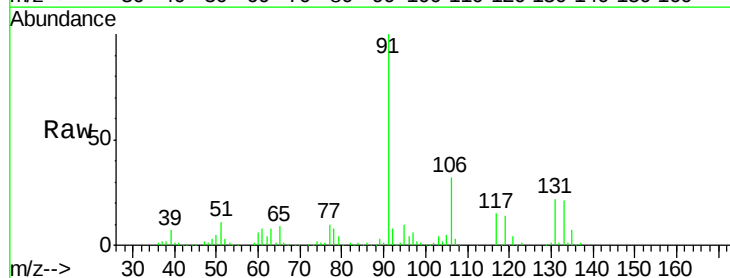
Manual Integrations
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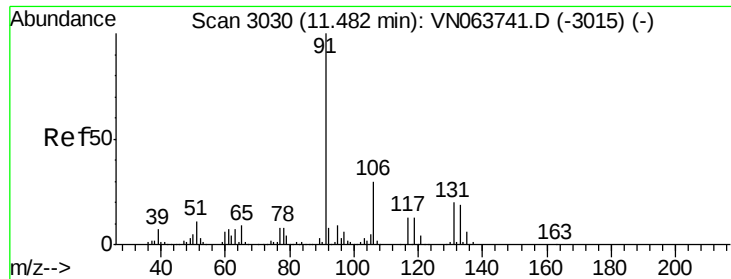
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.826 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion:131 Resp: 61500
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.8
119 62.0 32.6 97.7





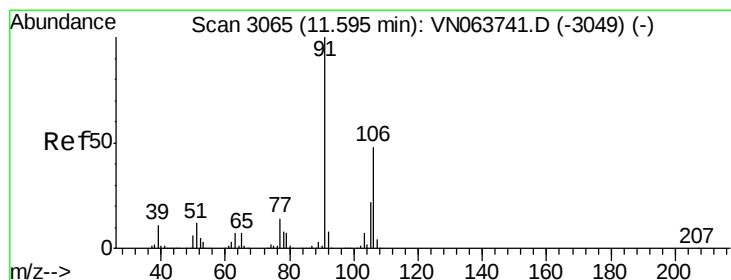
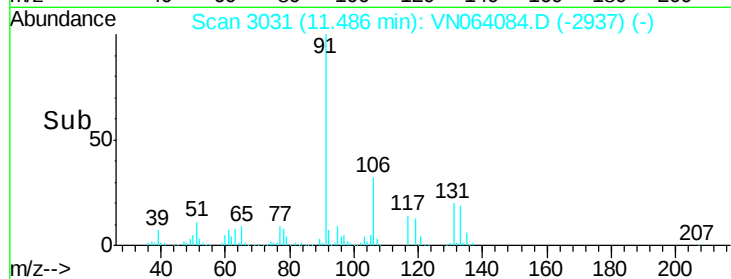
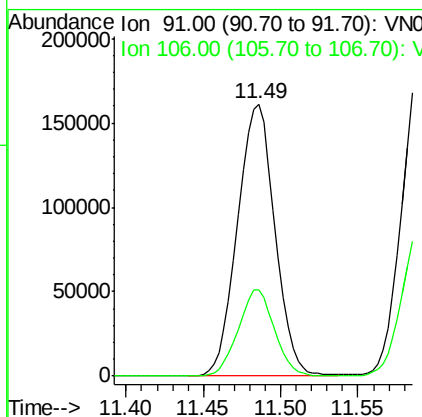
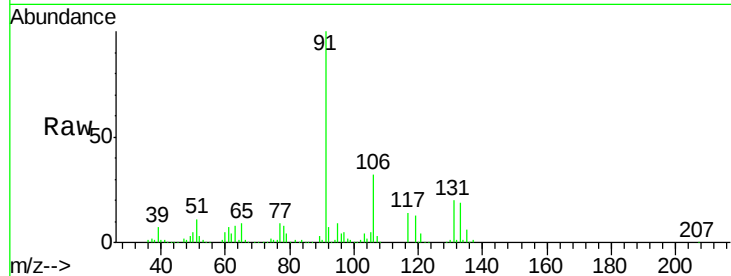
#67
Ethyl Benzene
Concen: 18.464 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion: 91 Resp: 271848
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.2

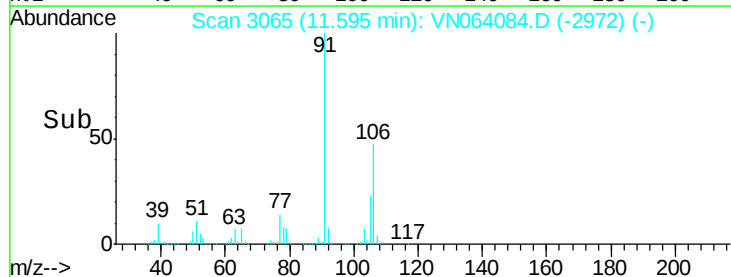
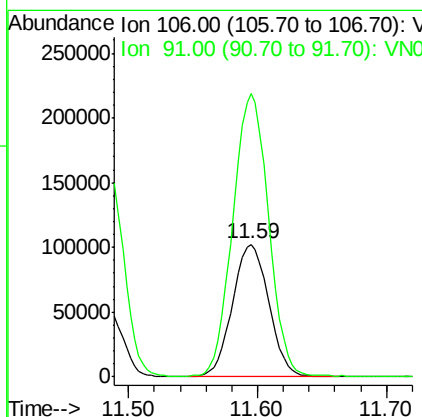
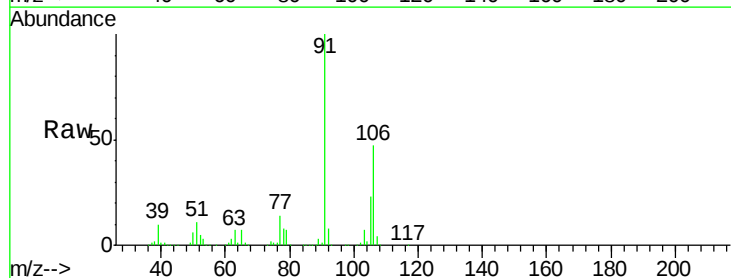
Manual Integrations
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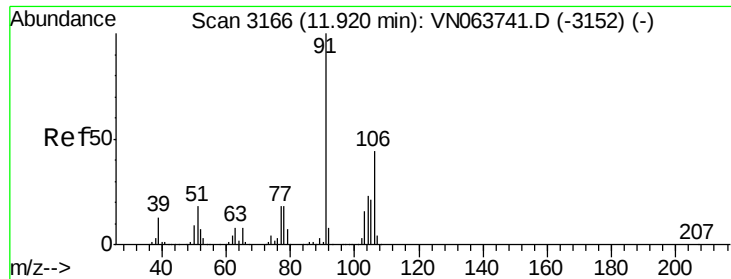
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#68
m/p-Xylenes
Concen: 36.453 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion: 106 Resp: 200028
Ion Ratio Lower Upper
106 100
91 209.7 168.0 252.0





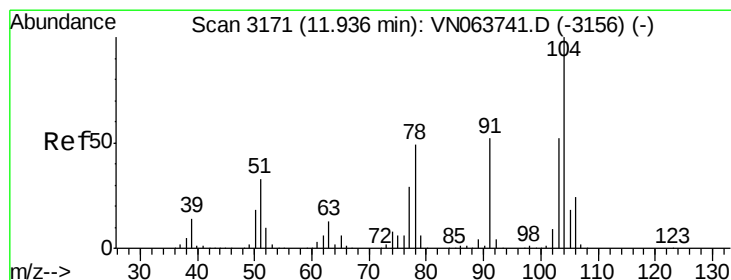
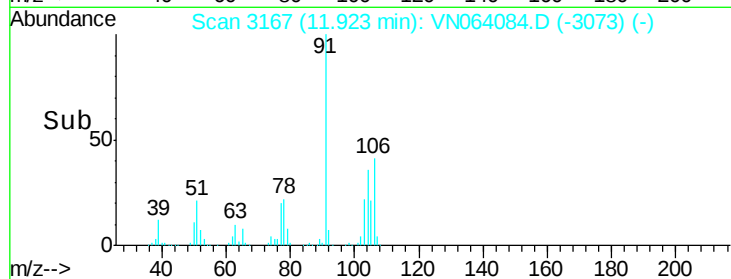
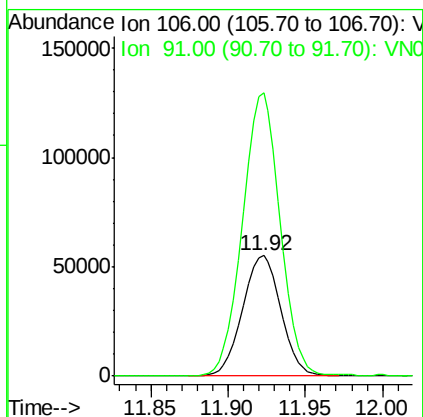
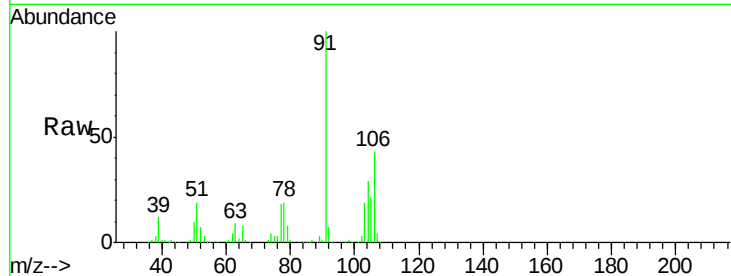
#69
o-Xylene
Concen: 18.602 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
VN1012MBS01

Tot Ion:106 Resp: 95405
Ion Ratio Lower Upper
106 100
91 230.1 112.7 338.0

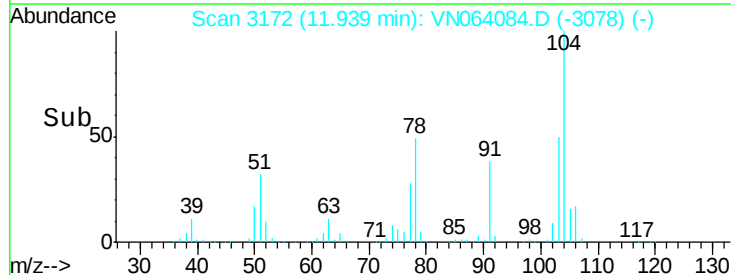
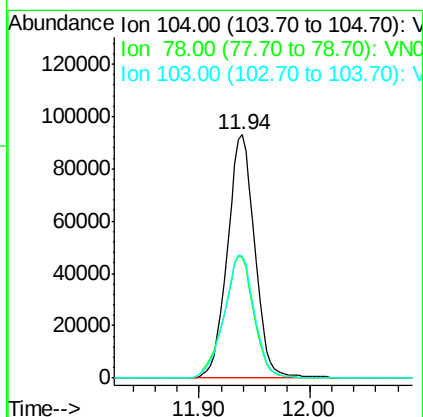
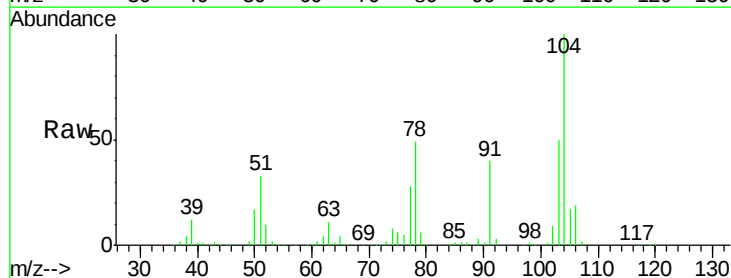
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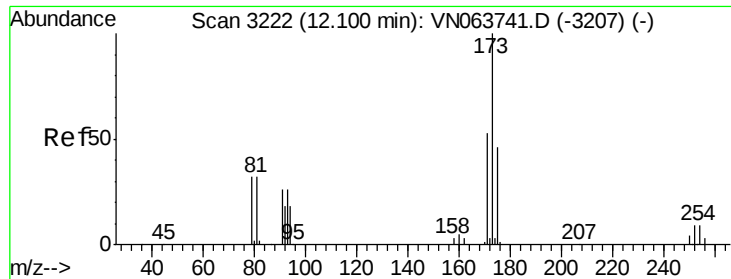
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#70
Styrene
Concen: 18.424 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion:104 Resp: 160395
Ion Ratio Lower Upper
104 100
78 54.7 44.1 66.1
103 55.6 44.3 66.5





#71

Bromoform

Concen: 19.090 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

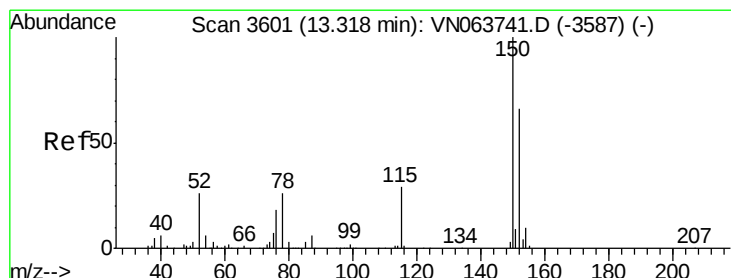
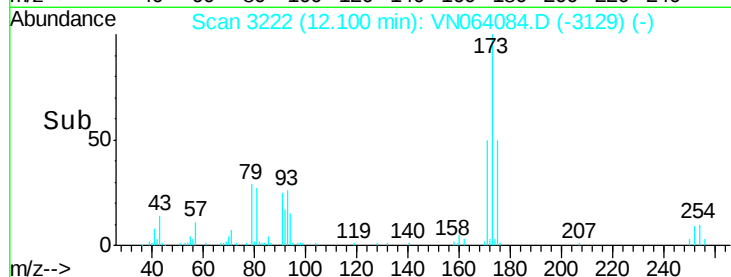
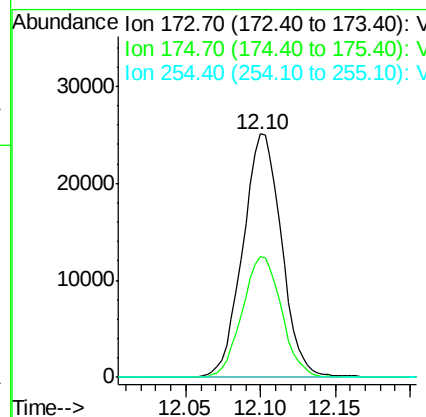
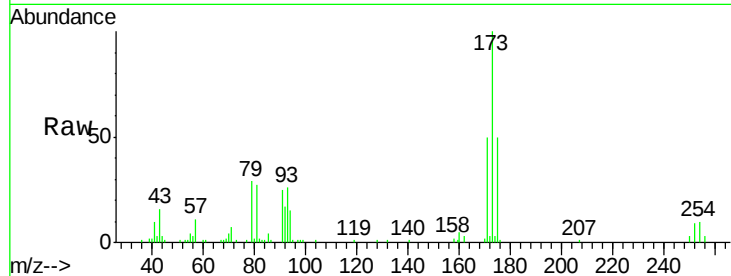
ClientSampleId :

VN1012MBS01

Tot Ion:	173	Resp:	45289
Ion Ratio	Lower	Upper	
173	100		
175	50.1	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

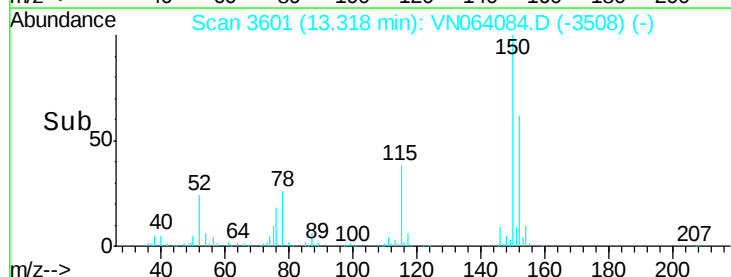
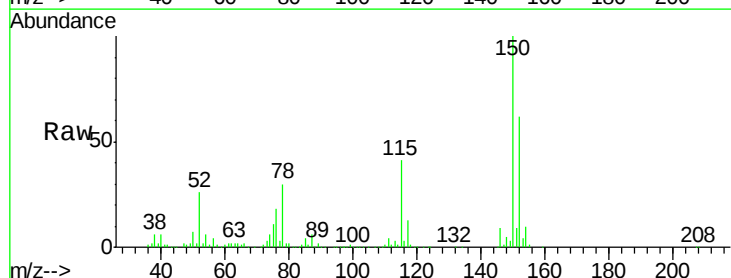
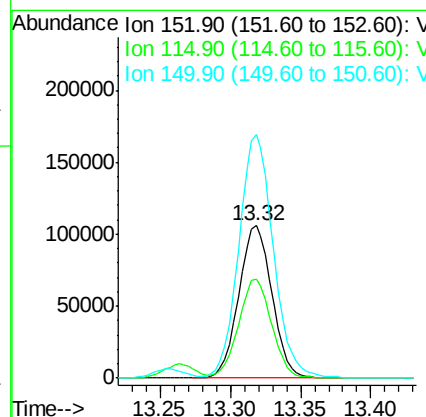
RT: 13.32 min Scan# 3601

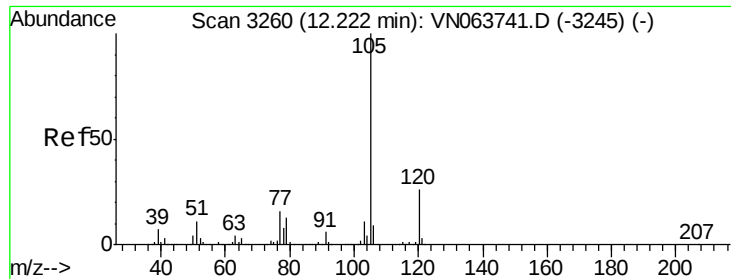
Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	152	Resp:	175265
Ion Ratio	Lower	Upper	
152	100		
115	64.0	31.3	93.8
150	164.9	0.0	341.8





#73

Isopropylbenzene

Concen: 20.469 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 105 Resp: 261675

Ion Ratio Lower Upper

105 100

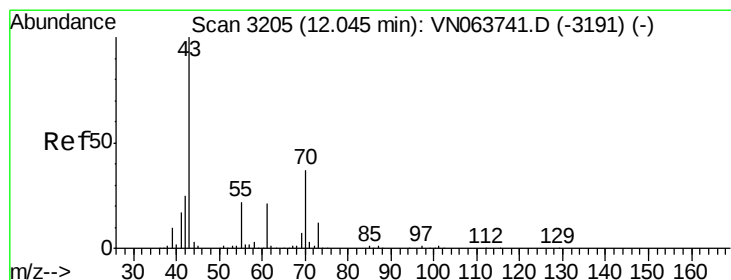
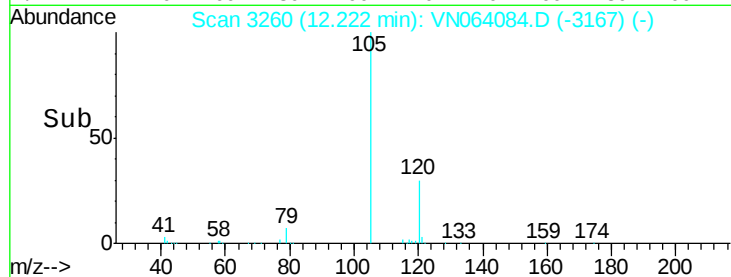
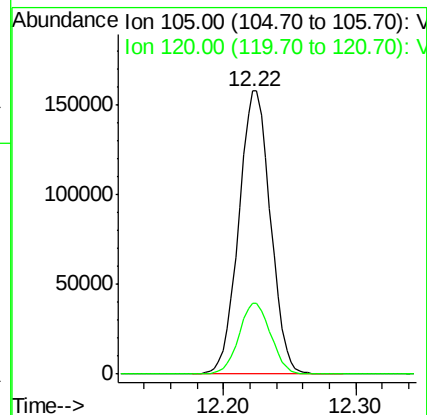
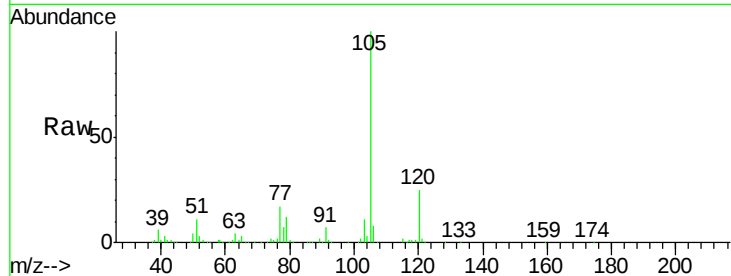
120 25.1 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.228 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion: 43 Resp: 130638

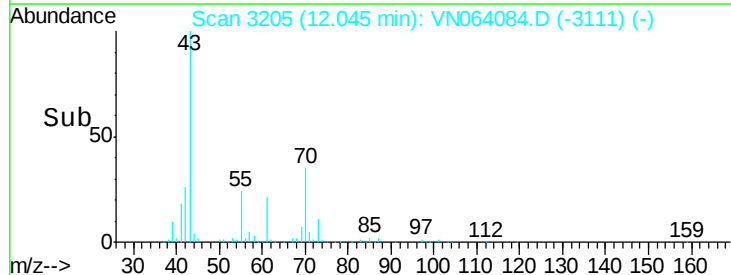
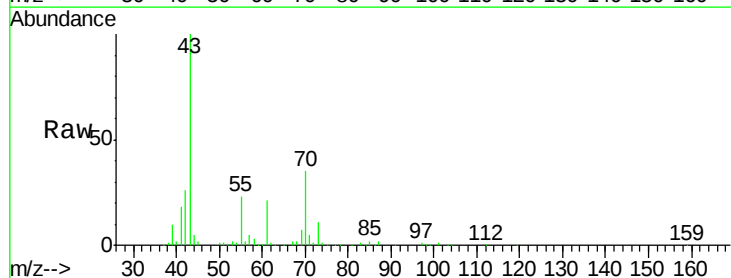
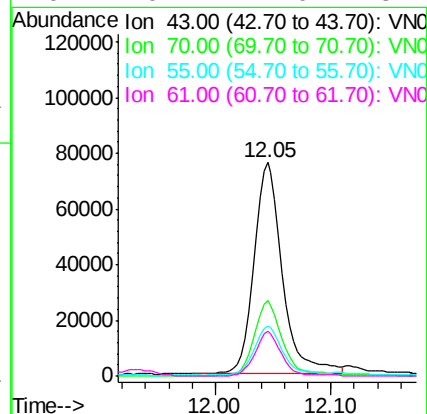
Ion Ratio Lower Upper

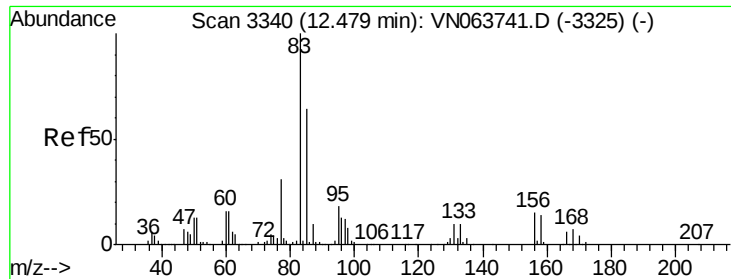
43 100

70 34.3 29.8 44.8

55 24.1 17.9 26.9

61 19.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.369 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 83 Resp: 87442

Ion Ratio Lower Upper

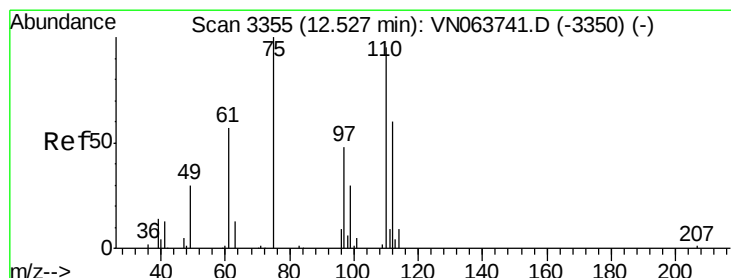
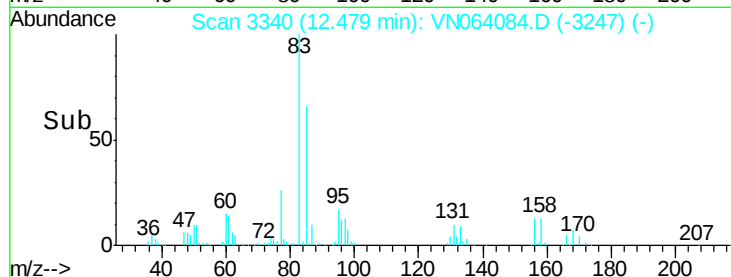
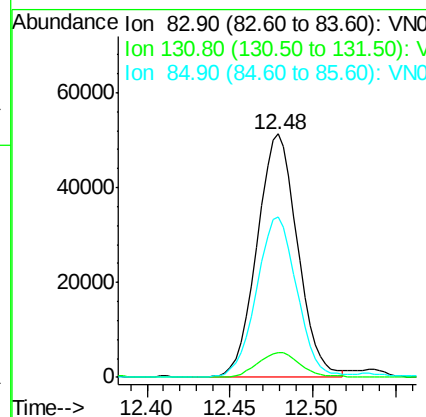
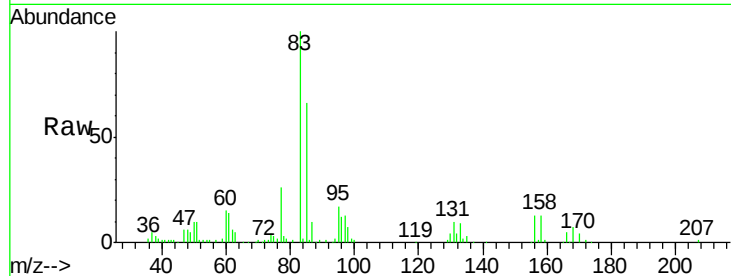
83 100

131 10.6 5.3 15.8

85 65.6 31.3 93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.963 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064084.D

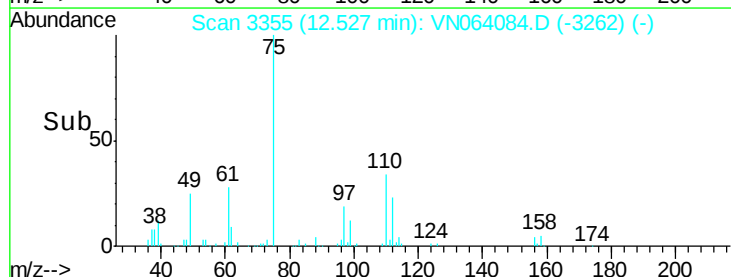
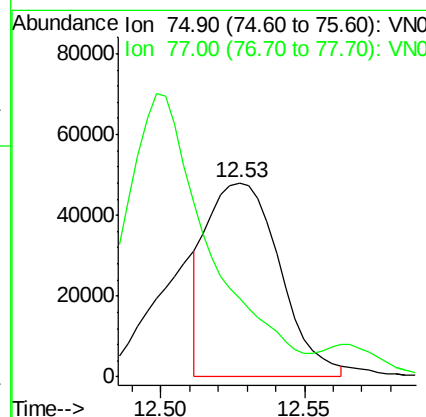
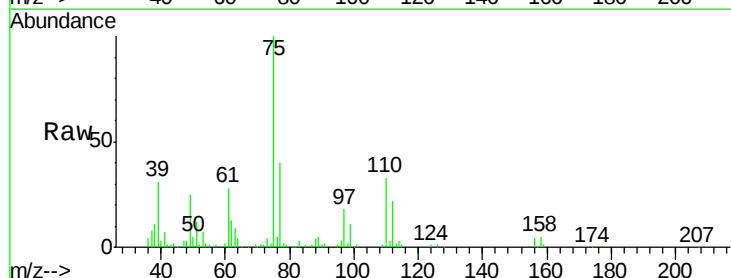
Acq: 12 Oct 2020 17:50

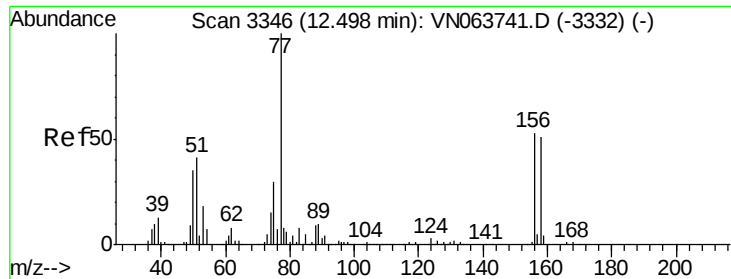
Tgt Ion: 75 Resp: 84854

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.397 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

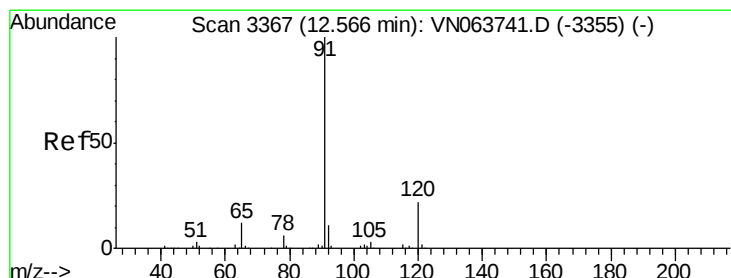
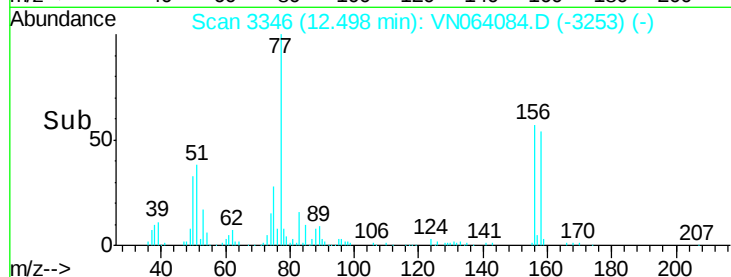
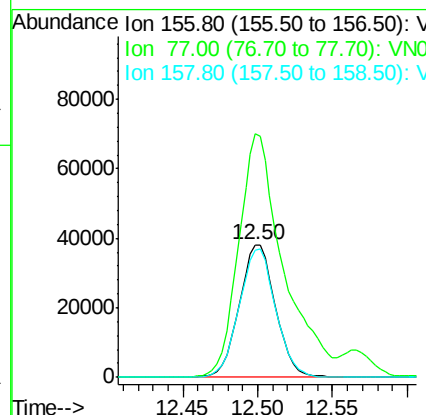
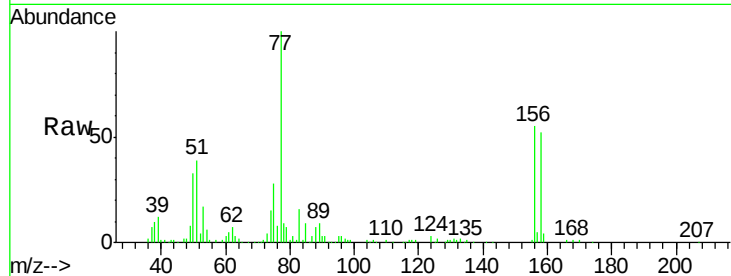
ClientSampleId :

VN1012MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.5	110.9	332.7
158	97.9	47.7	143.1

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#78

n-propylbenzene

Concen: 19.504 ug/l

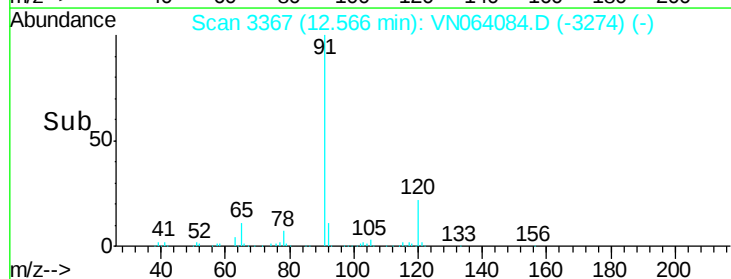
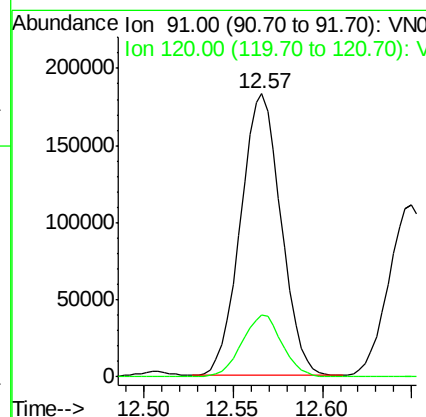
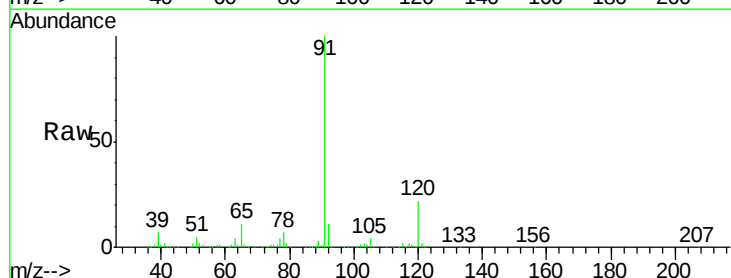
RT: 12.57 min Scan# 3367

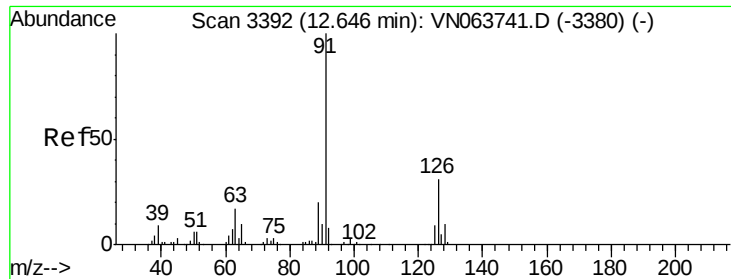
Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.074 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VN1012MBS01

Tot Ion: 91 Resp: 183674

Ion Ratio Lower Upper

91 100

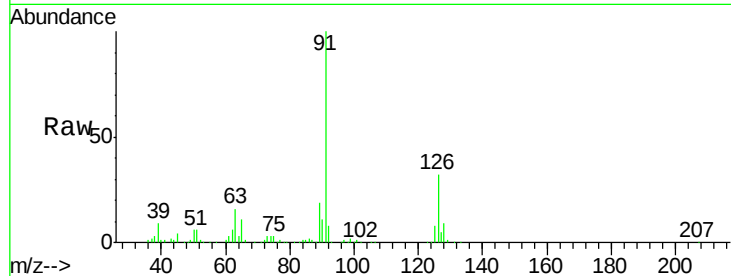
126 32.6 15.9 47.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)

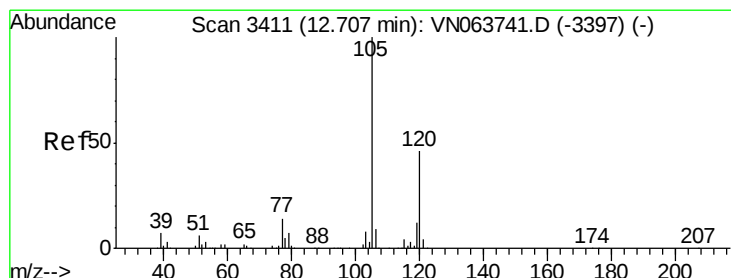
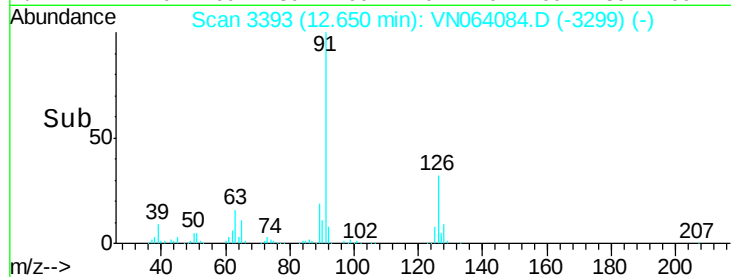
12.65

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.815 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064084.D

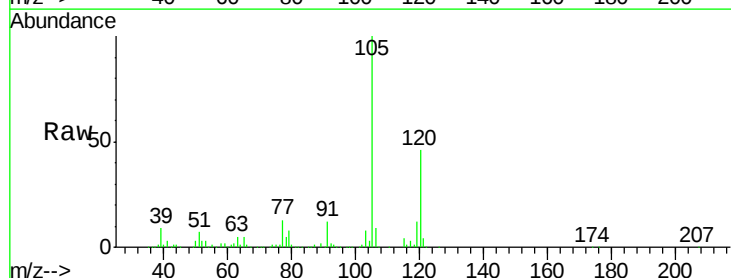
Acq: 12 Oct 2020 17:50

Tgt Ion: 105 Resp: 212515

Ion Ratio Lower Upper

105 100

120 45.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)

12.71

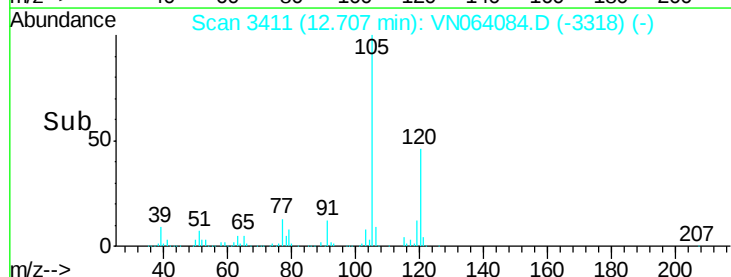
150000

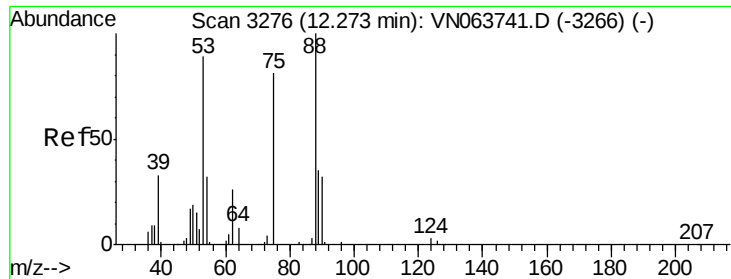
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50000

0

Time-->





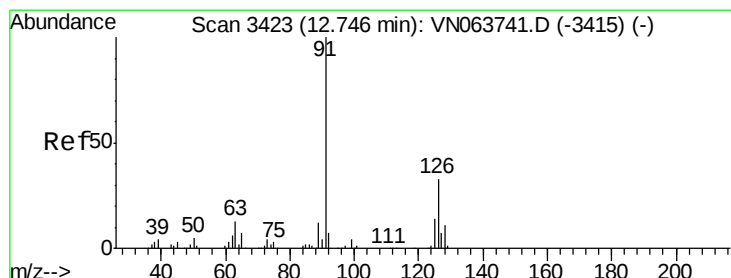
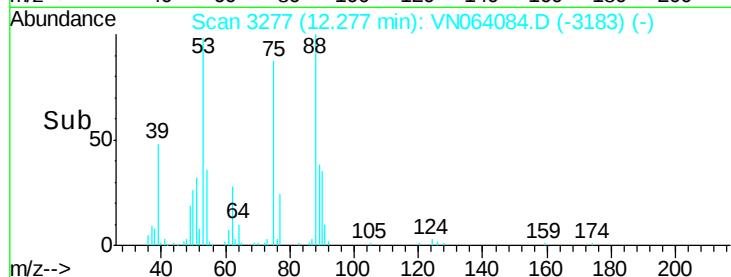
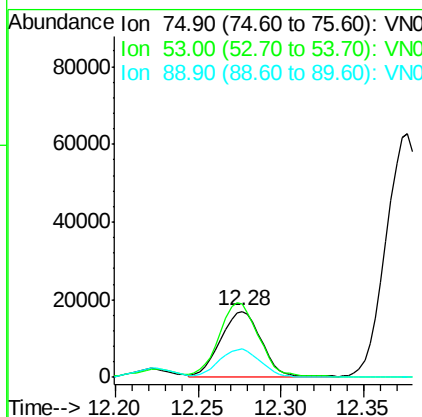
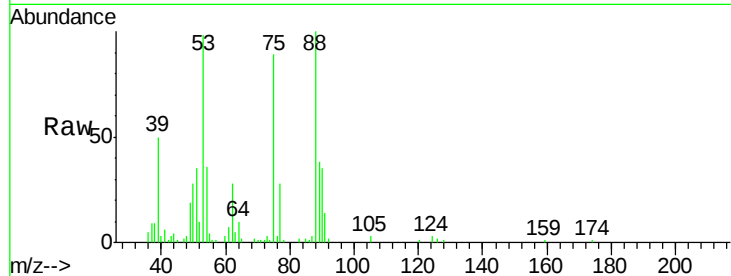
#81
trans-1,4-Dichloro-2-butene
Concen: 21.718 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.7	88.2	132.2
89	44.3	36.0	54.0

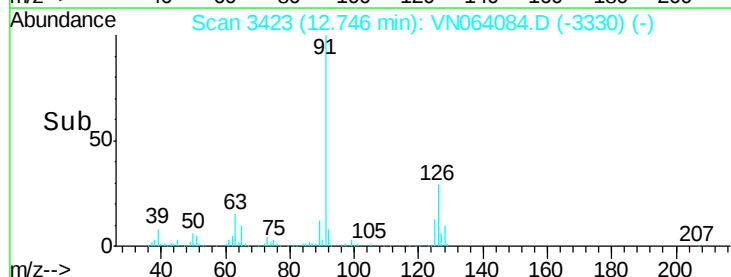
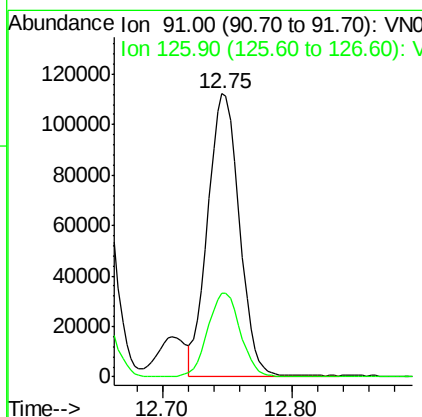
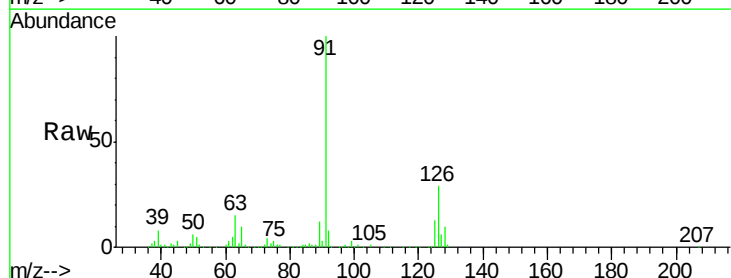
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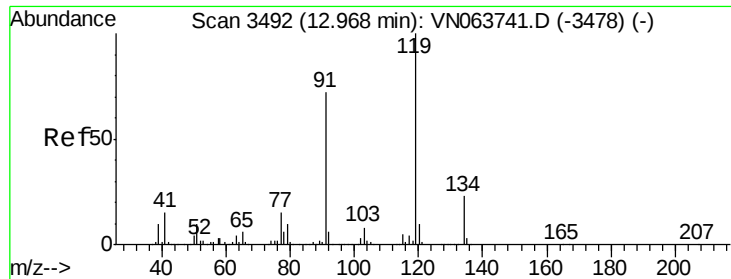
MMDadoda
10/13/2020 4:09:48 PM



#82
4-Chlorotoluene
Concen: 19.959 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.2





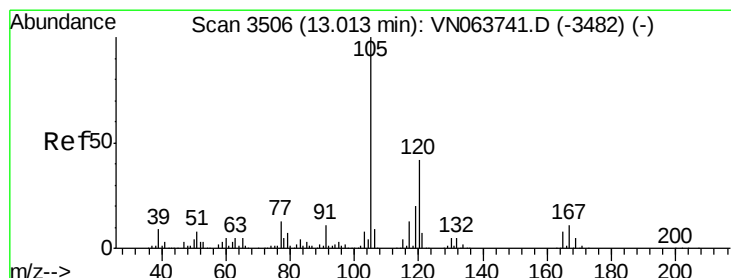
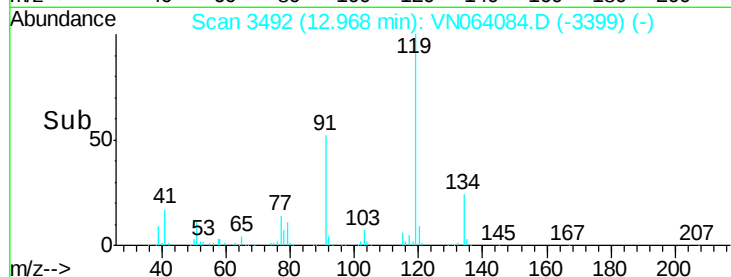
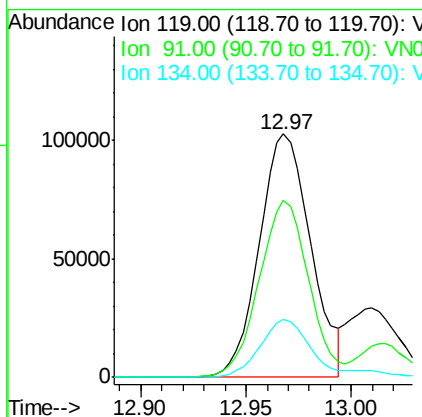
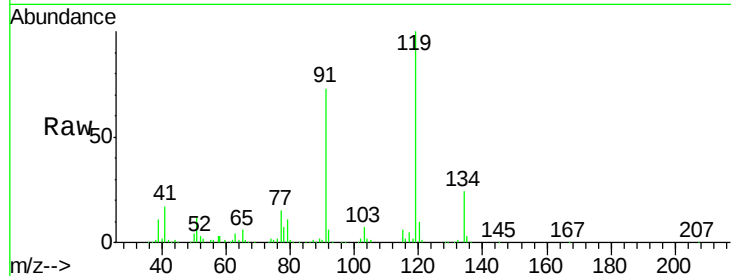
#83
 tert-Butylbenzene
 Concen: 19.932 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	174859		
91	69.6		35.5	106.5
134	22.8		11.7	35.1

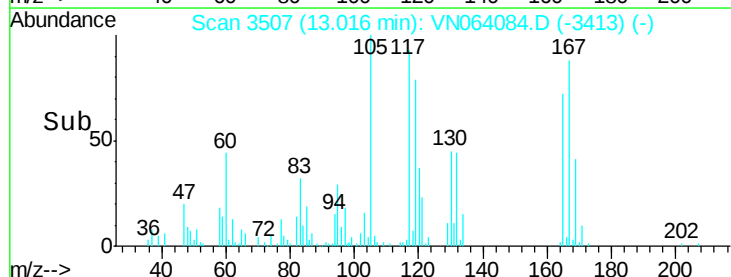
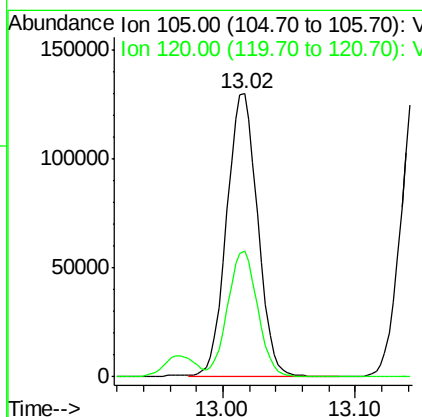
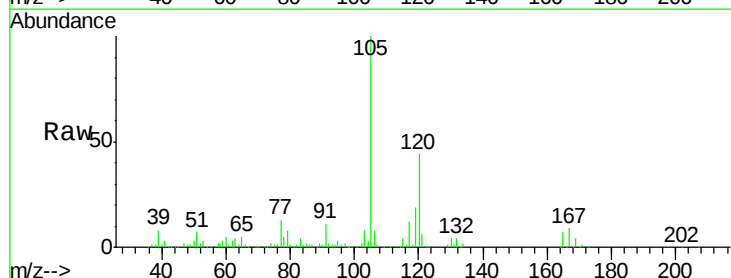
Manual Integrations
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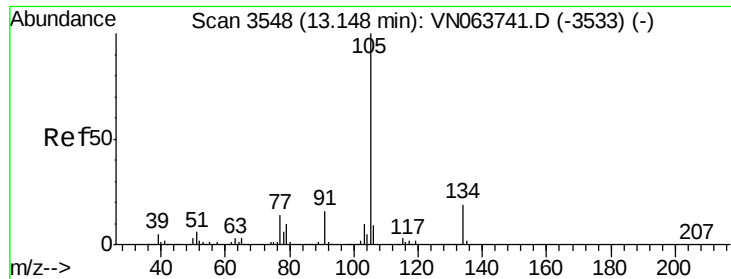
MMDadoda
 10/13/2020 4:09:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.604 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209916		
120	42.9		20.9	62.7





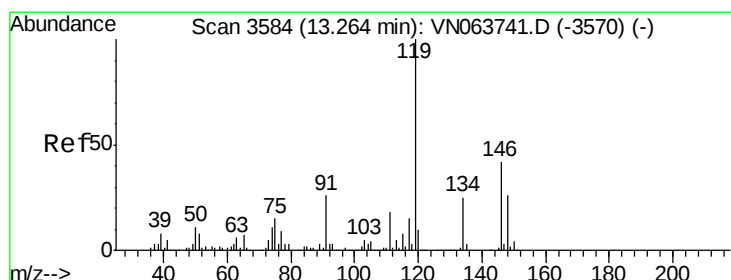
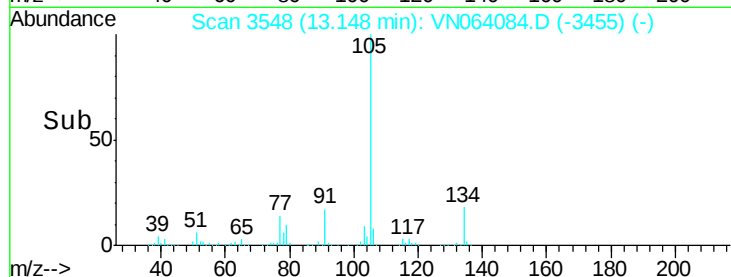
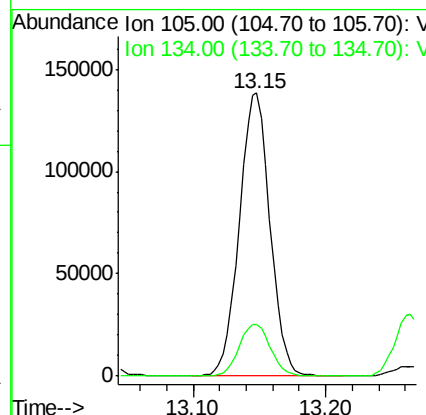
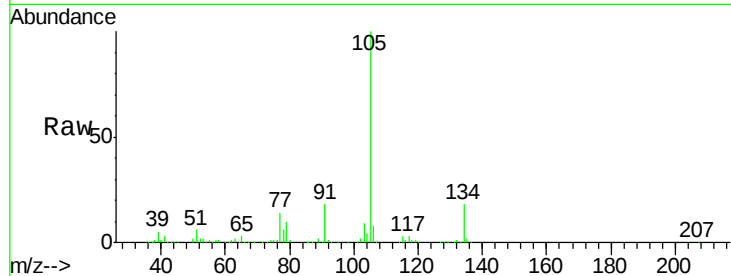
#85
 sec-Butylbenzene
 Concen: 19.134 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.5	28.5

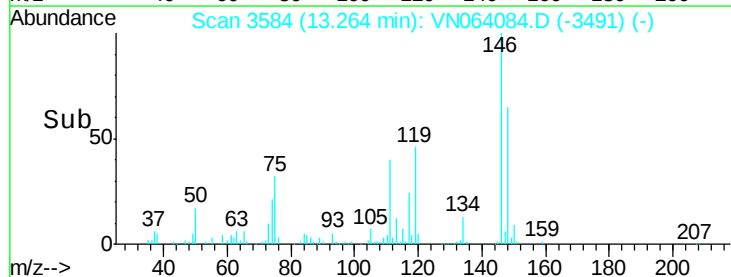
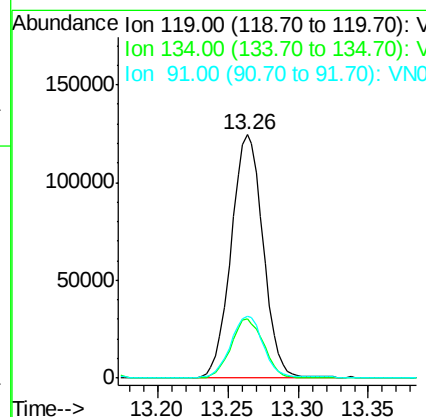
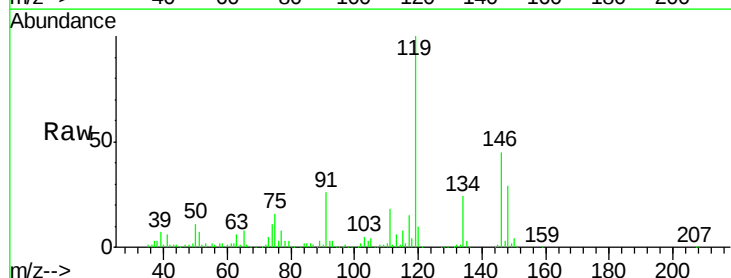
Manual Integrations
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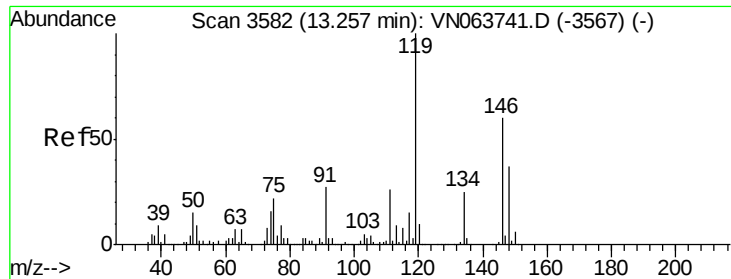
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 19.265 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	25.8	13.4	40.2





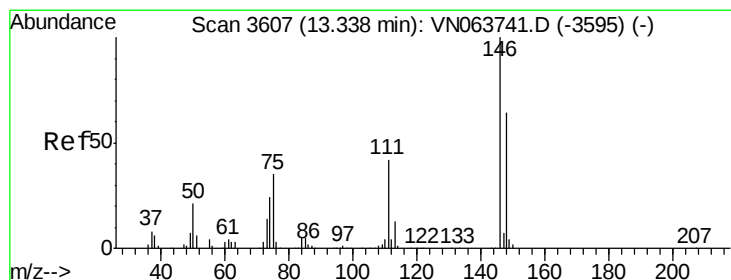
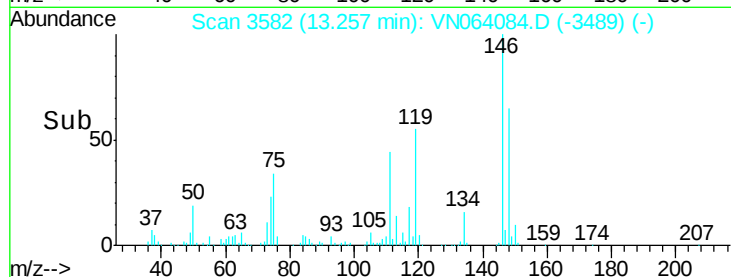
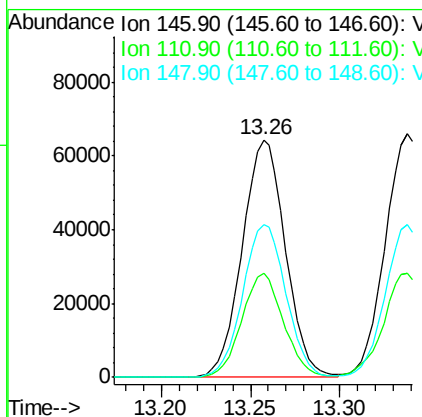
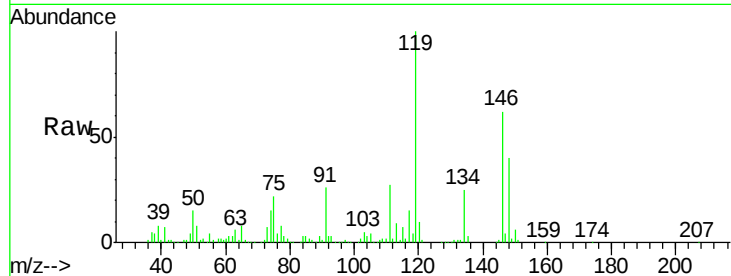
#87
 1,3-Dichlorobenzene
 Concen: 19.193 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.4	31.1	93.3

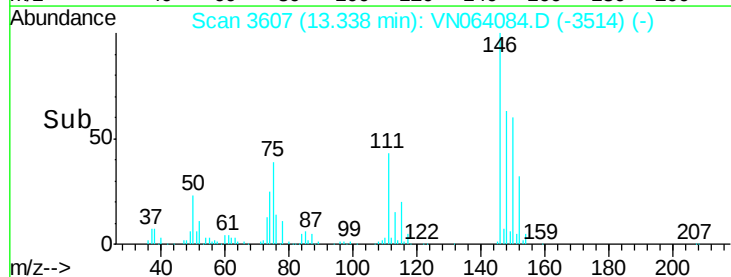
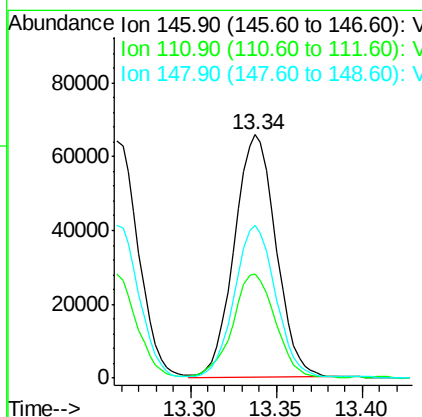
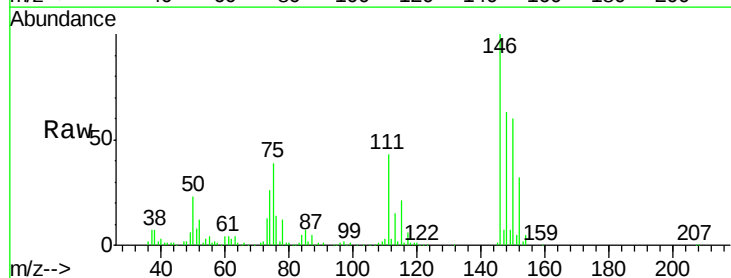
Manual Integrations
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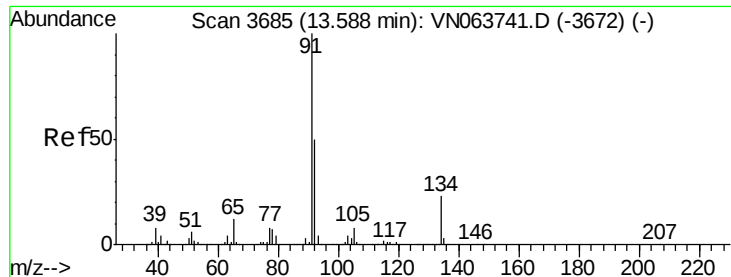
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#88
 1,4-Dichlorobenzene
 Concen: 18.747 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	63.7
148	61.8	32.0	96.0





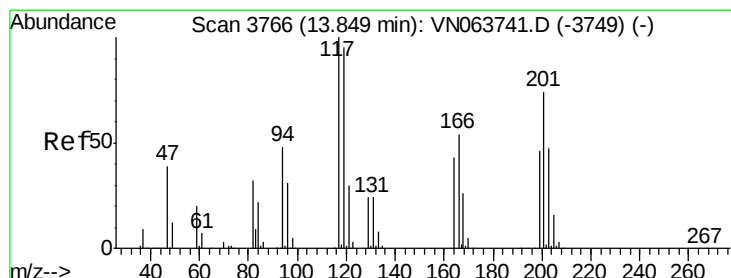
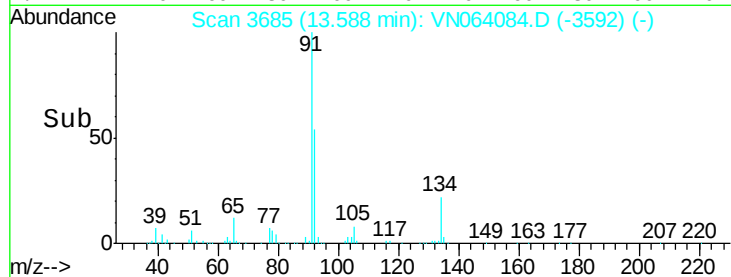
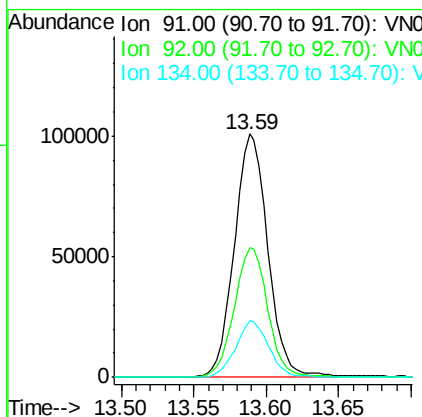
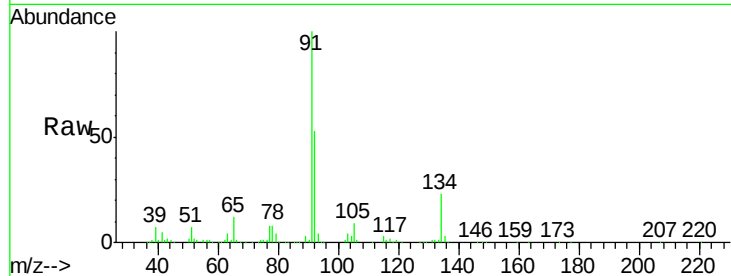
#89
n-Butylbenzene
Concen: 17.103 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VN1012MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	25.4	76.4
134	23.1	11.7	35.1

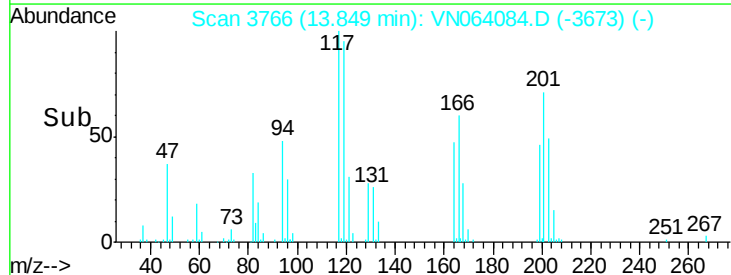
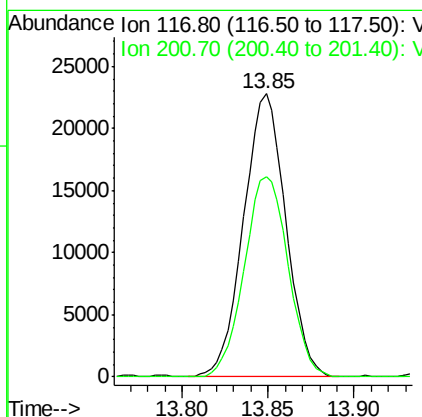
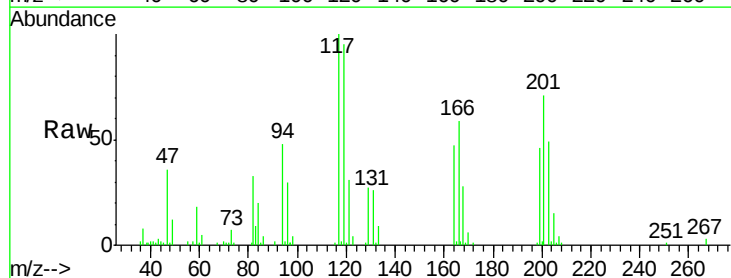
Manual Integrations
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#90
Hexachloroethane
Concen: 19.695 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064084.D
Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	36.0	108.0





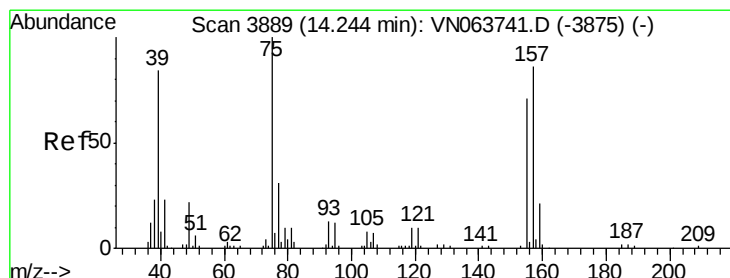
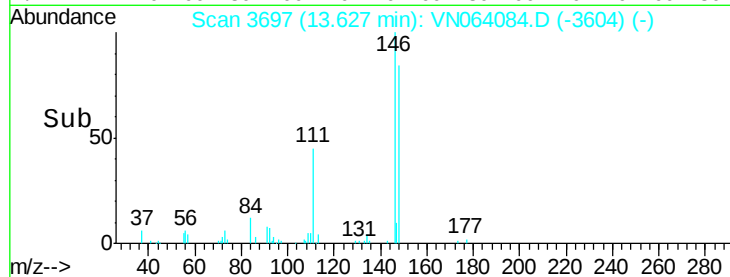
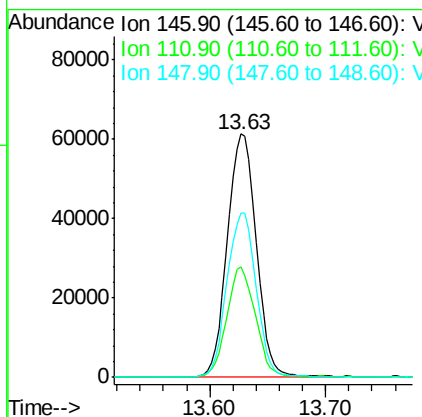
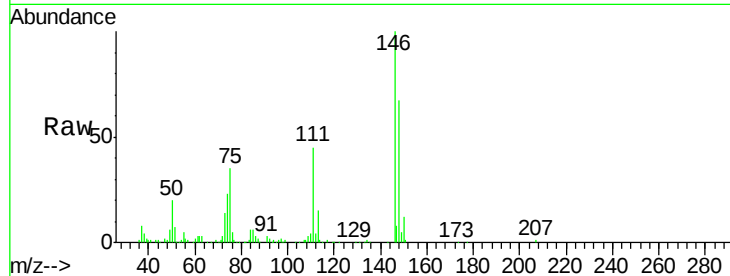
#91
 1,2-Dichlorobenzene
 Concen: 18.918 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	67.5	32.5	97.4

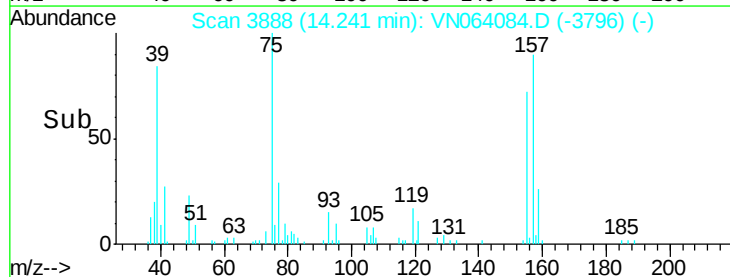
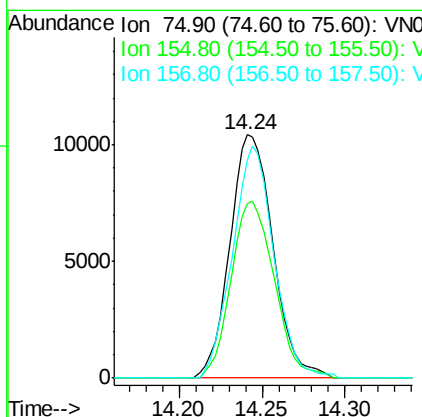
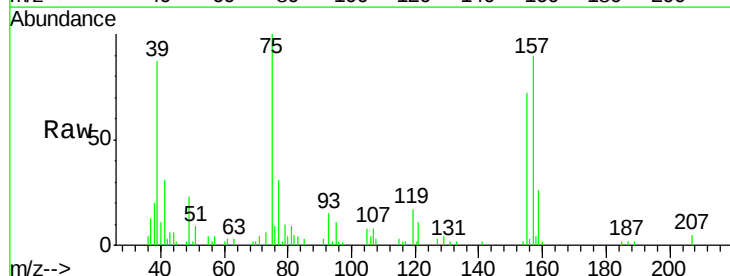
Manual Integrations
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 10/13/2020 4:09:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.592 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	34.8	104.5
157	91.8	43.7	131.1





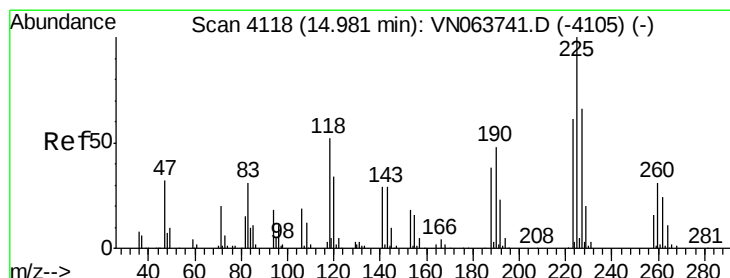
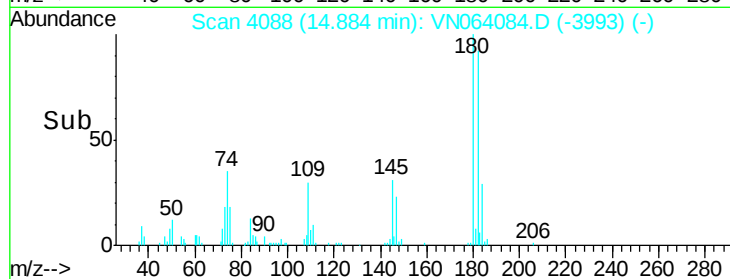
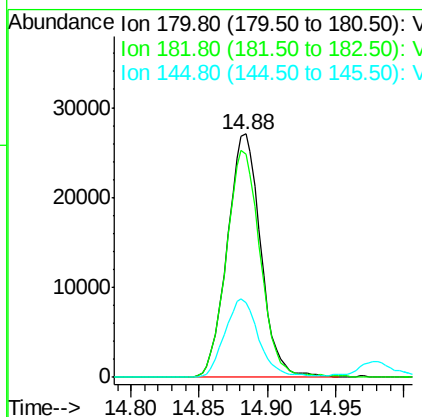
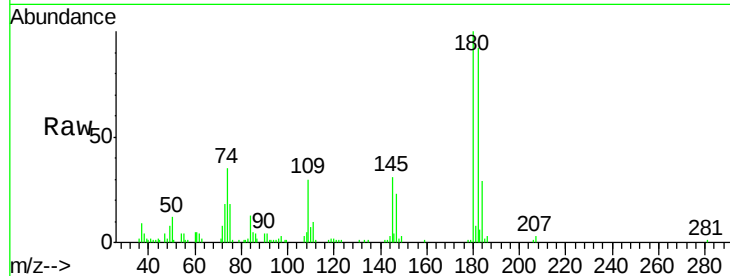
#93
 1,2,4-Trichlorobenzene
 Concen: 16.278 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.2	144.6
145	32.9	17.1	51.2

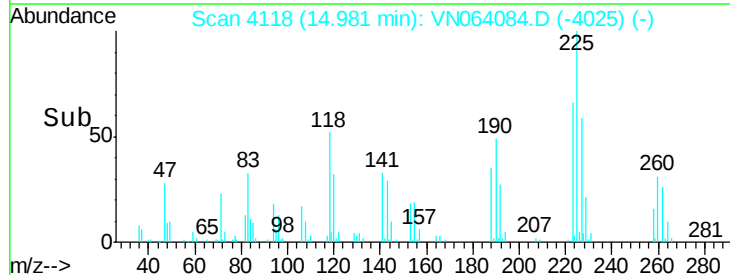
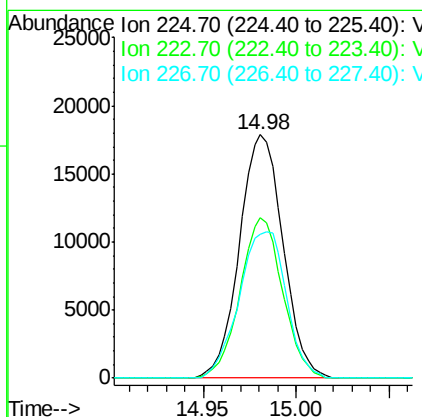
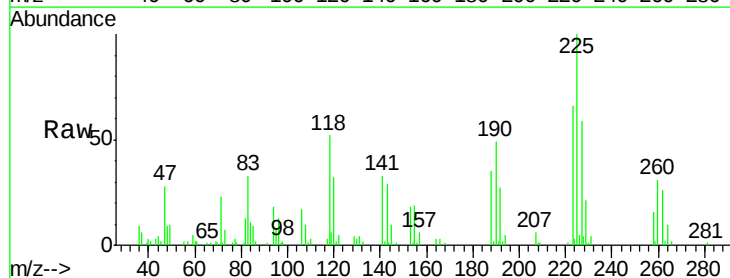
Manual Integrations
 APPROVED

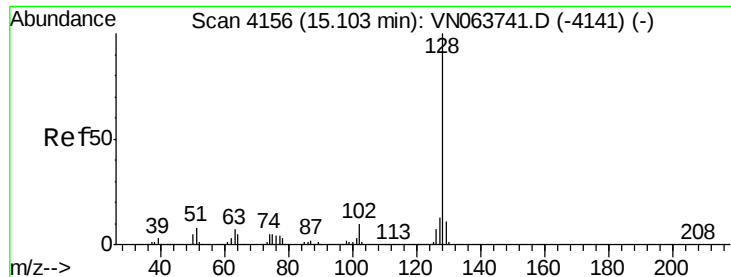
MMDadoda
 10/13/2020 4:09:48 PM



#94
 Hexachlorobutadiene
 Concen: 19.128 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064084.D
 Acq: 12 Oct 2020 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.3	91.0
227	65.1	31.9	95.5





#95

Naphthalene

Concen: 16.180 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Instrument :

MSVOA_N

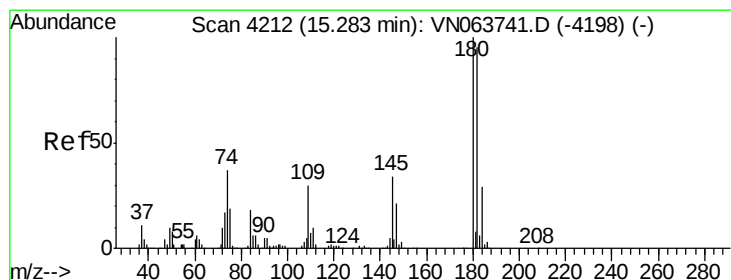
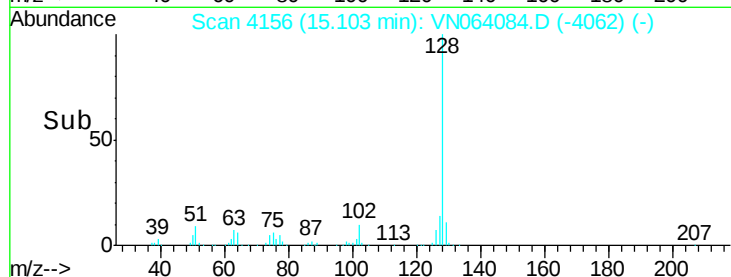
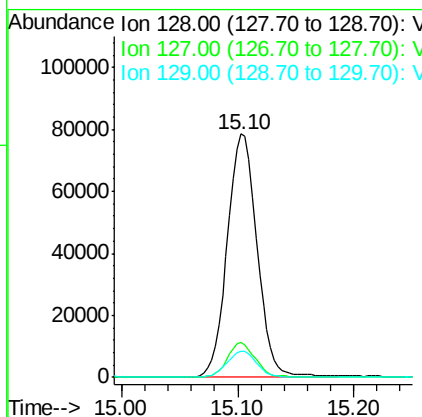
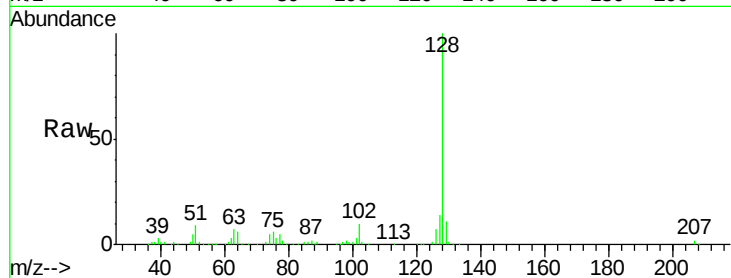
ClientSampleId :

VN1012MBS01

Tot Ion:	128	Resp:	140209
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/13/2020 4:09:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.998 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064084.D

Acq: 12 Oct 2020 17:50

Tgt Ion:	180	Resp:	47222
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.9	143.6
145	32.6	17.2	51.5

