

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063864.D
 Acq On : 5 Oct 2020 12:30
 Operator : JC/MD
 Sample : VN1005WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:56:33 PM

Quant Time: Oct 06 01:58:50 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	277154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	457909	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	431137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	228550	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.55	113	157140	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
50) Toluene-d8	10.06	98	578341	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.38	95	215144	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	54181	18.527	ug/l	99
3) Chloromethane	2.04	50	62981	18.354	ug/l	98
4) Vinyl Chloride	2.17	62	61193	17.766	ug/l	98
5) Bromomethane	2.54	94	38324	17.689	ug/l	97
6) Chloroethane	2.68	64	39232	19.061	ug/l	90
7) Trichlorofluoromethane	2.99	101	103274	18.905	ug/l	97
8) Diethyl Ether	3.38	74	34572	18.713	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	55998	19.179	ug/l	99
10) Methyl Iodide	3.91	142	66235	19.537	ug/l	98
11) Tert butyl alcohol	4.72	59	48659	96.257	ug/l	100
12) 1,1-Dichloroethene	3.70	96	50482	18.088	ug/l	94
13) Acrolein	3.57	56	31732	102.277	ug/l	97
14) Allyl chloride	4.28	41	97666	18.837	ug/l	95
15) Acrylonitrile	4.93	53	136733	94.494	ug/l	98
16) Acetone	3.78	43	133677	94.840	ug/l	99
17) Carbon Disulfide	4.01	76	133608	18.165	ug/l	99
18) Methyl Acetate	4.28	43	72652	19.852	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	194265	19.159	ug/l	100
20) Methylene Chloride	4.51	84	62642	19.463	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	57487	18.390	ug/l	98
22) Diisopropyl ether	5.90	45	210910	19.771	ug/l	96
23) Vinyl Acetate	5.85	43	850805	96.281	ug/l	100
24) 1,1-Dichloroethane	5.80	63	118486	19.426	ug/l	100
25) 2-Butanone	6.79	43	199779	99.974	ug/l	98
26) 2,2-Dichloropropane	6.78	77	103327	18.498	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	66345	18.453	ug/l	97
28) Bromochloromethane	7.15	49	58988	19.567	ug/l	100
29) Tetrahydrofuran	7.17	42	131931	98.437	ug/l	96
30) Chloroform	7.33	83	123030	19.345	ug/l	98
31) Cyclohexane	7.62	56	95148	17.899	ug/l #	93
32) 1,1,1-Trichloroethane	7.53	97	113760	19.831	ug/l	98
36) 1,1-Dichloropropene	7.75	75	86740	18.698	ug/l	99
37) Ethyl Acetate	6.88	43	89374	19.391	ug/l #	95
38) Carbon Tetrachloride	7.73	117	98983	19.028	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	78562	16.982	ug/l	99
40) Benzene	8.00	78	251525	18.983	ug/l	100
41) Methacrylonitrile	7.13	41	39179m	19.127	ug/l	
42) 1,2-Dichloroethane	8.08	62	108395	19.164	ug/l	100
43) Isopropyl Acetate	8.13	43	146476	19.267	ug/l	97
44) Trichloroethene	8.80	130	64700	18.636	ug/l	99
45) 1,2-Dichloropropane	9.08	63	68349	19.100	ug/l	99
46) Dibromomethane	9.17	93	46484	18.830	ug/l	100
47) Bromodichloromethane	9.37	83	96595	18.986	ug/l	99
48) Methyl methacrylate	9.17	41	72639	19.339	ug/l	94
49) 1,4-Dioxane	9.16	88	18678	349.898	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	437810	98.133	ug/l	99
52) Toluene	10.13	92	157672	19.238	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	103254	18.933	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	107261	18.806	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	63109	19.201	ug/l	98
56) Ethyl methacrylate	10.40	69	88122	18.915	ug/l	98
57) 1,3-Dichloropropane	10.68	76	107244	19.286	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	225989	90.682	ug/l	100
59) 2-Hexanone	10.72	43	315163	95.095	ug/l	98
60) Dibromochloromethane	10.87	129	70205	18.341	ug/l	99
61) 1,2-Dibromoethane	10.98	107	63874	18.998	ug/l	97
64) Tetrachloroethene	10.60	164	62906	18.859	ug/l	98
65) Chlorobenzene	11.41	112	164354	18.584	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	65775	19.400	ug/l	98
67) Ethyl Benzene	11.49	91	300463	18.671	ug/l	99
68) m/p-Xylenes	11.59	106	223247	37.222	ug/l	100
69) o-Xylene	11.92	106	104852	18.704	ug/l	100
70) Styrene	11.94	104	178376	18.745	ug/l	99
71) Bromoform	12.10	173	46892	18.083	ug/l #	98
73) Isopropylbenzene	12.22	105	279023	18.936	ug/l	100
74) N-amyl acetate	12.05	43	122004	19.241	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	86531	19.204	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	84678m	19.015	ug/l	
77) Bromobenzene	12.50	156	72490	20.049	ug/l	100
78) n-propylbenzene	12.57	91	318211	18.556	ug/l	100
79) 2-Chlorotoluene	12.65	91	198601	18.831	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	237372	19.202	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	29482	19.067	ug/l	96
82) 4-Chlorotoluene	12.75	91	207791	18.979	ug/l	99
83) tert-Butylbenzene	12.97	119	183980	18.195	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	231201	18.732	ug/l	97
85) sec-Butylbenzene	13.15	105	247450	18.631	ug/l	100
86) p-Isopropyltoluene	13.26	119	216837	18.455	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	121978	18.648	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	123127	18.078	ug/l	100
89) n-Butylbenzene	13.59	91	181672	16.753	ug/l	99
90) Hexachloroethane	13.85	117	42116	18.498	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	118361	18.269	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19501	18.455	ug/l	96

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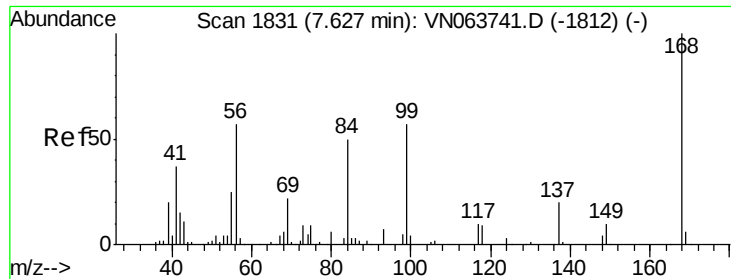
Manual Integrations
APPROVED

MMDadoda
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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	54290	16.612	ug/l	96
94) Hexachlorobutadiene	14.98	225	33427	19.070	ug/l	99
95) Naphthalene	15.10	128	163715	16.365	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	54039	16.887	ug/l	99

(#) = 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: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion:168 Resp: 277154

Ion Ratio Lower Upper

168 100

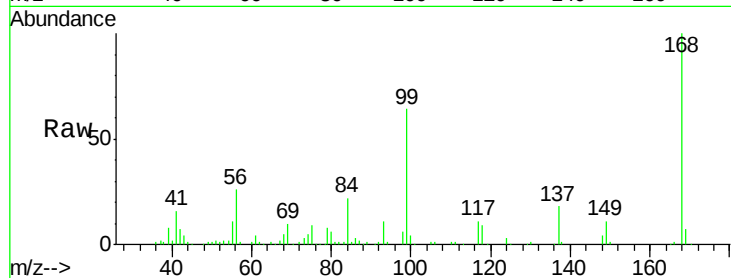
99 63.7 51.8 77.6

Manual Integrations

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10/6/2020 12:56:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

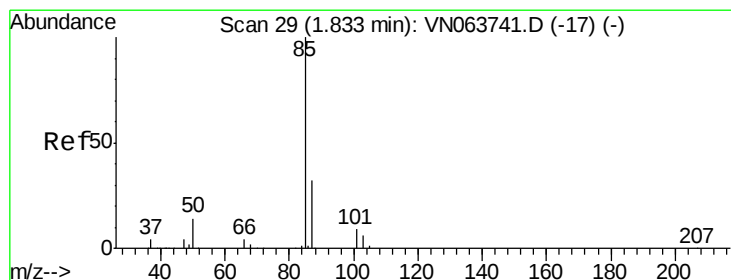
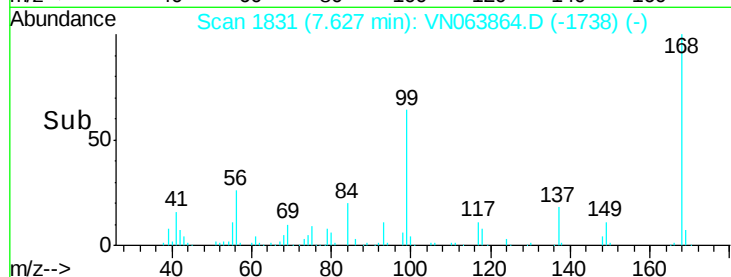
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.527 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063864.D

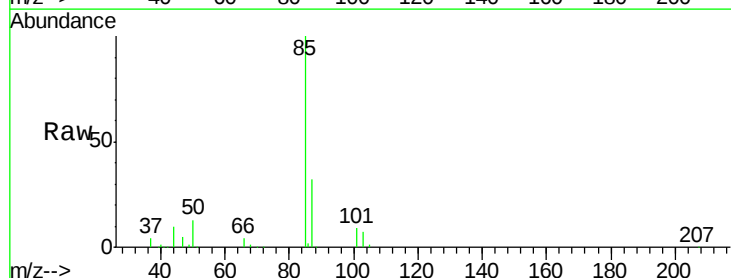
Acq: 5 Oct 2020 12:30

Tgt Ion: 85 Resp: 54181

Ion Ratio Lower Upper

85 100

87 31.7 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

50000

40000

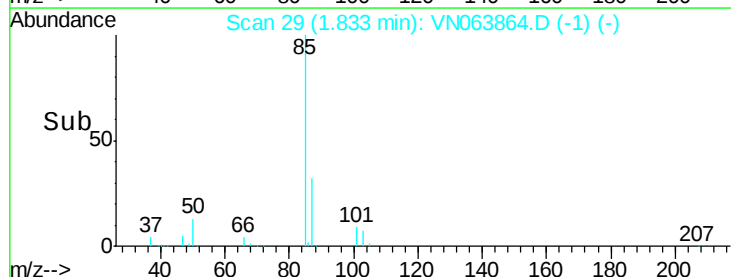
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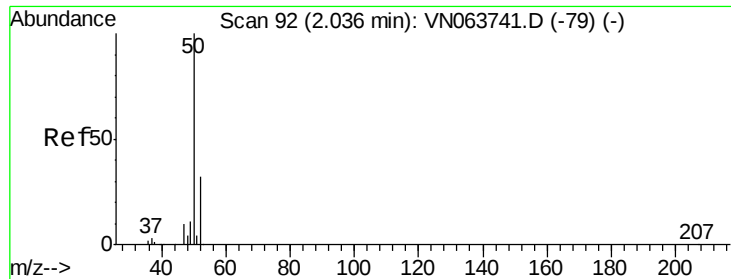
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.354 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 50 Resp: 62981

Ion Ratio Lower Upper

50 100

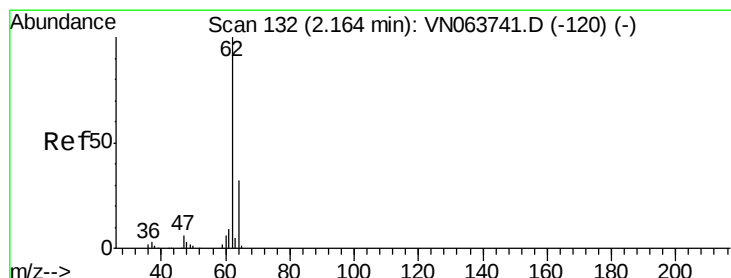
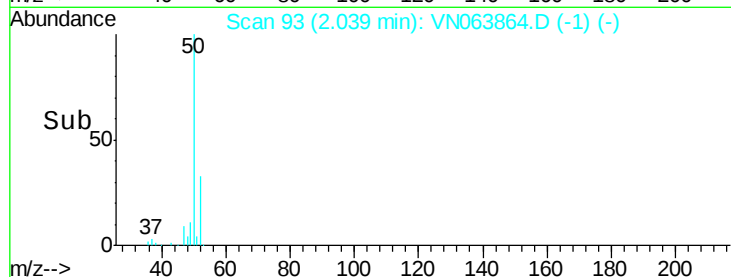
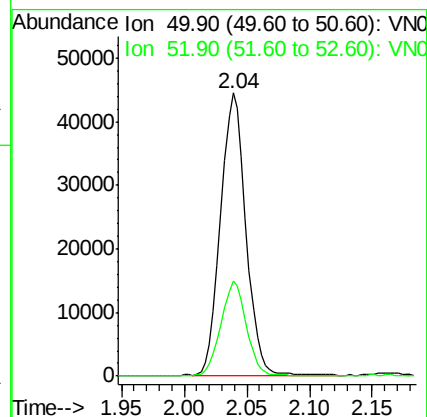
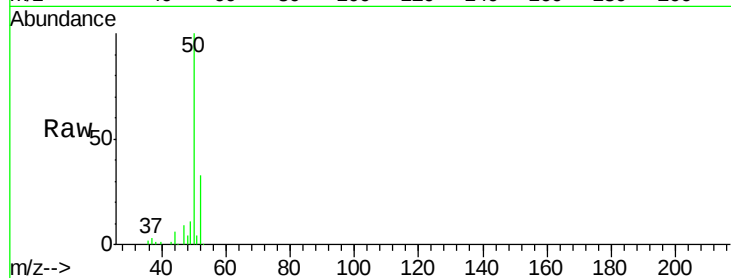
52 33.4 25.8 38.8

Manual Integrations

APPROVED

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10/6/2020 12:56:33 PM



#4

Vinyl Chloride

Concen: 17.766 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063864.D

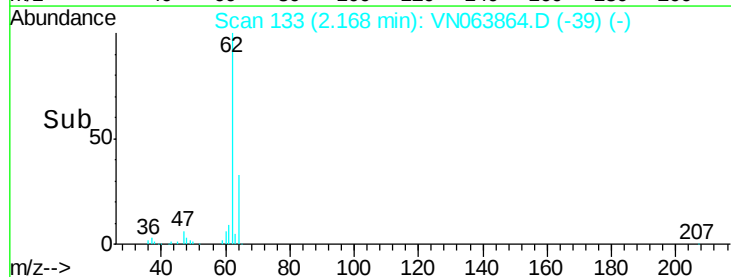
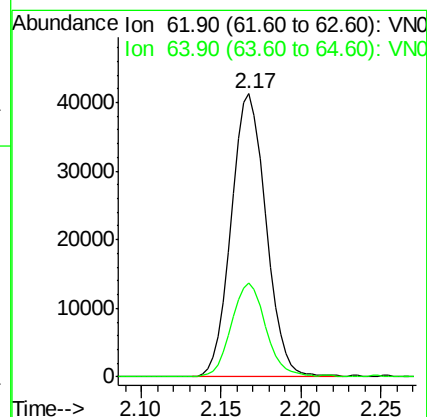
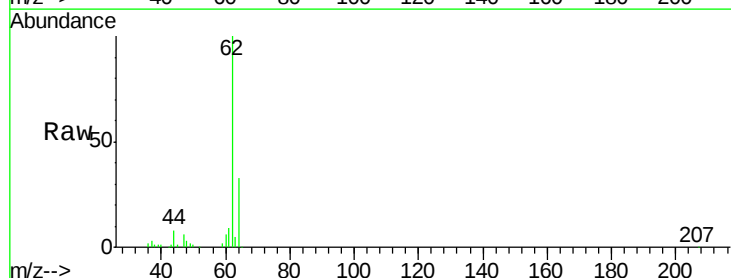
Acq: 5 Oct 2020 12:30

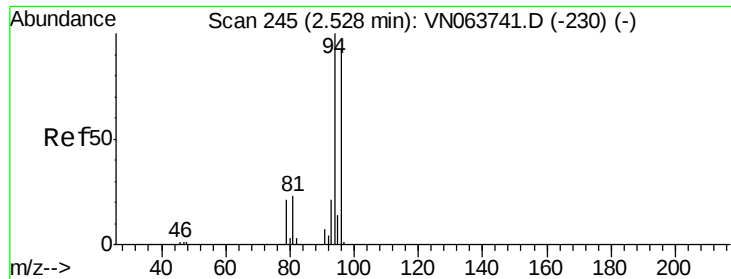
Tgt Ion: 62 Resp: 61193

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 17.689 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 94 Resp: 38324

Ion Ratio Lower Upper

94 100

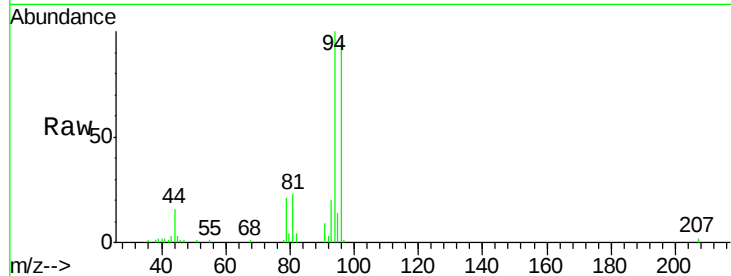
96 94.6 73.3 109.9

Manual Integrations

APPROVED

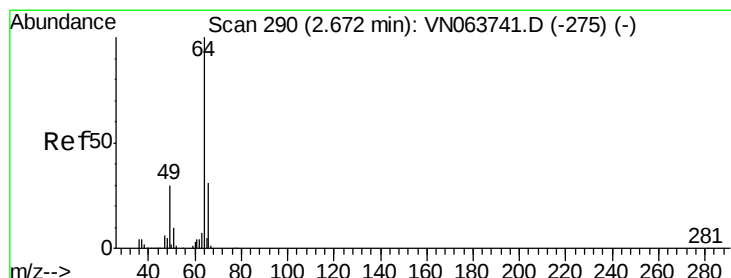
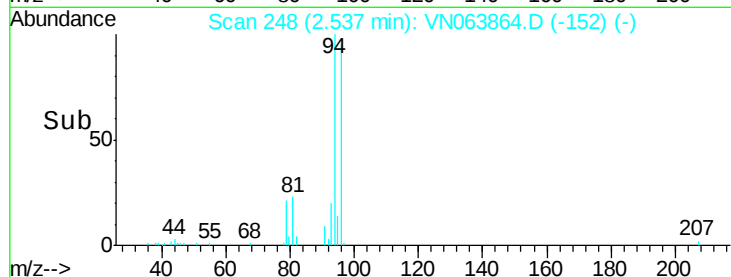
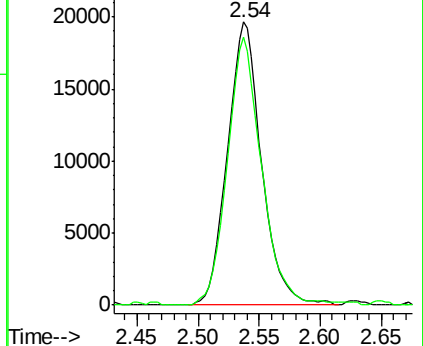
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.061 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063864.D

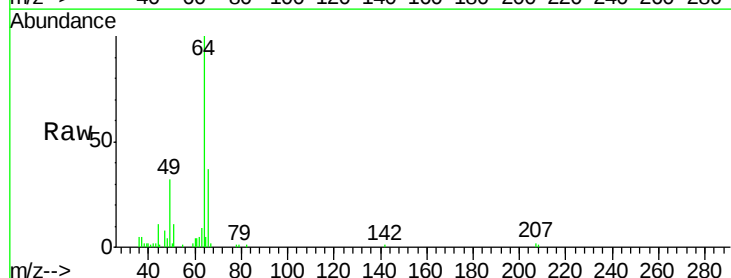
Acq: 5 Oct 2020 12:30

Tgt Ion: 64 Resp: 39232

Ion Ratio Lower Upper

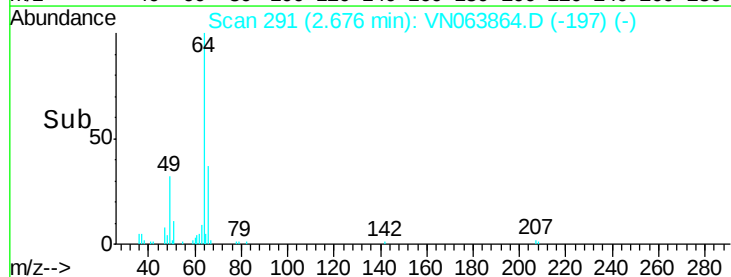
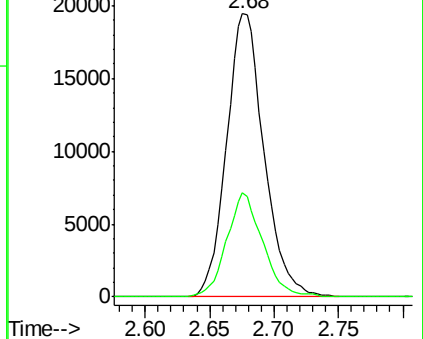
64 100

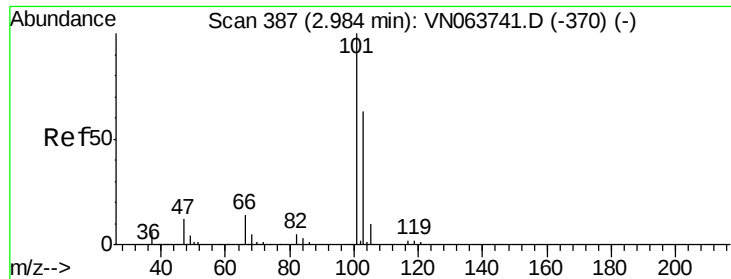
66 36.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

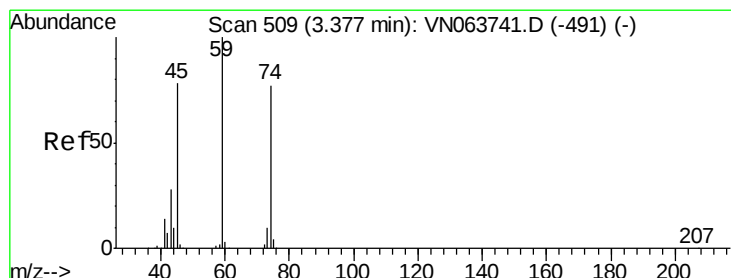
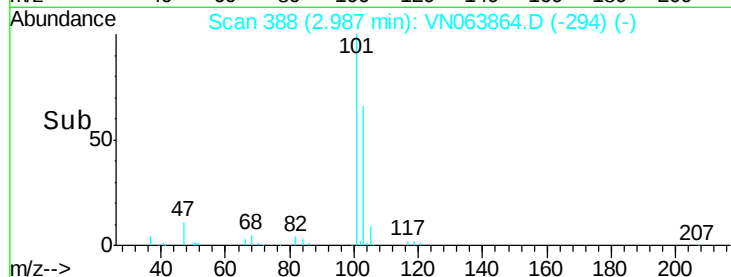
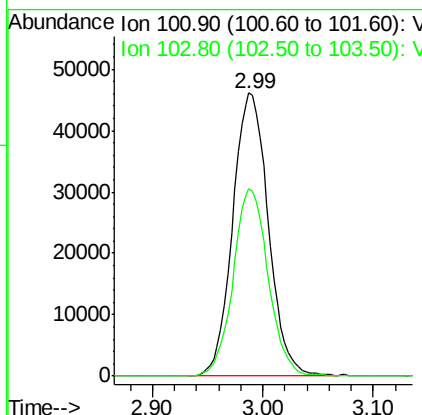
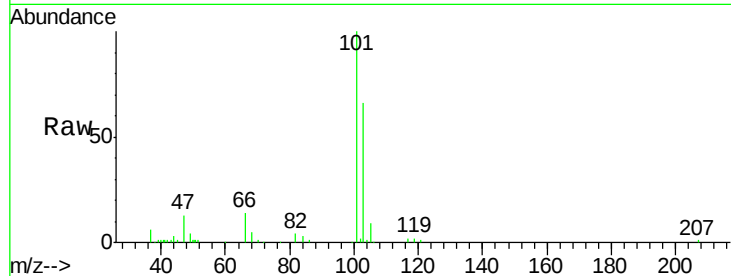
Trichlorofluoromethane
 Concen: 18.905 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.7	76.1

Manual Integrations
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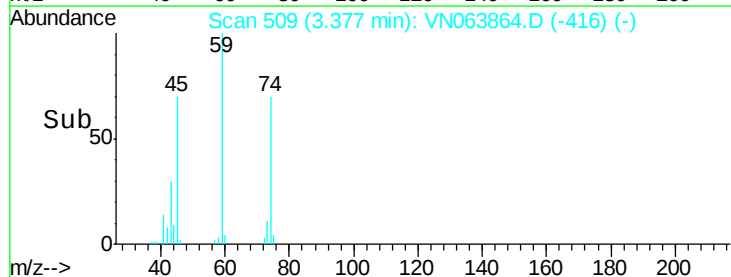
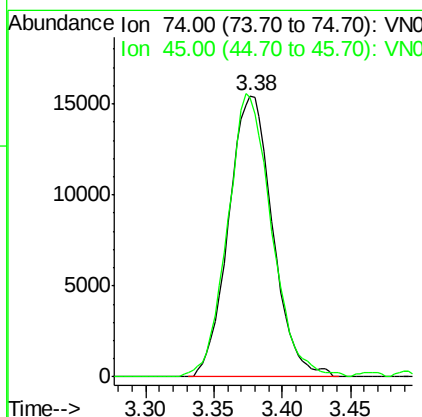
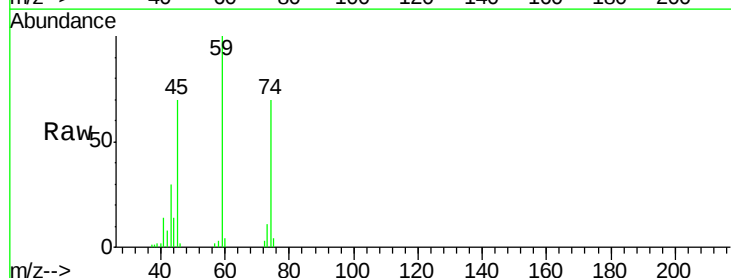
MMDadoda
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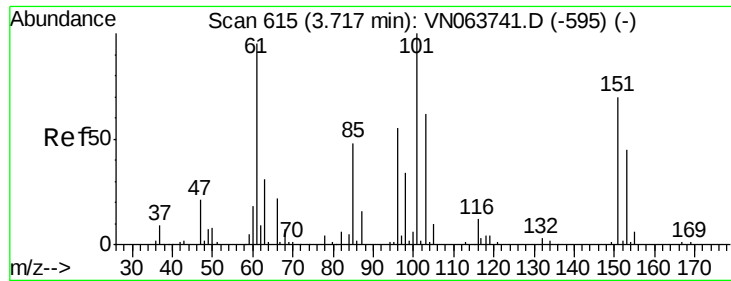


#8

Diethyl Ether
 Concen: 18.713 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.179 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

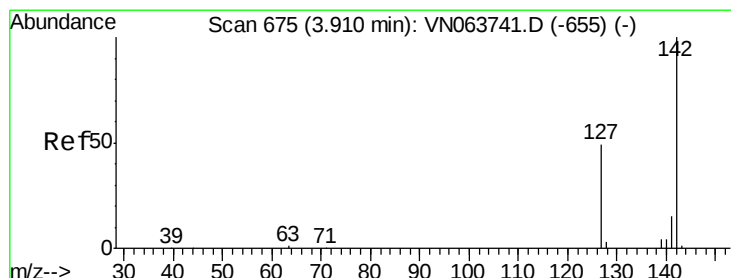
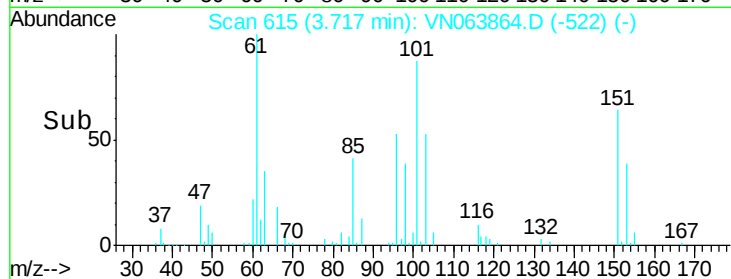
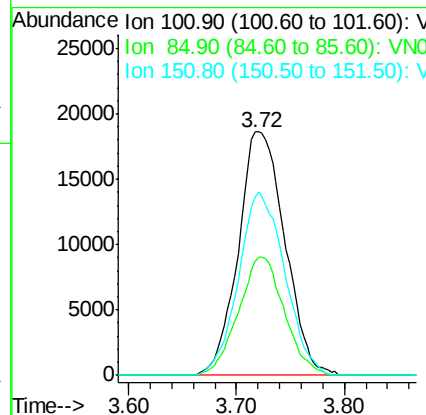
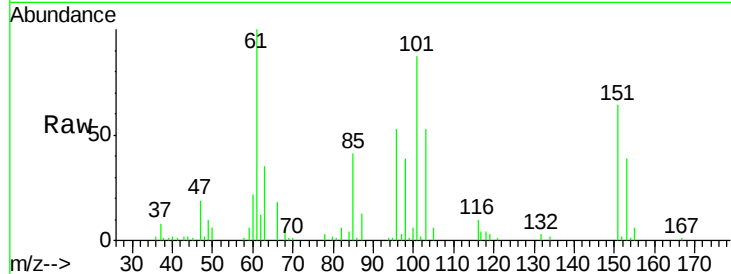
ClientSampleId :

VN1005WBS01

Tot Ion:	101	Resp:	55998
Ion Ratio	Lower	Upper	
101	100		
85	47.8	38.6	58.0
151	74.7	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 19.537 ug/l

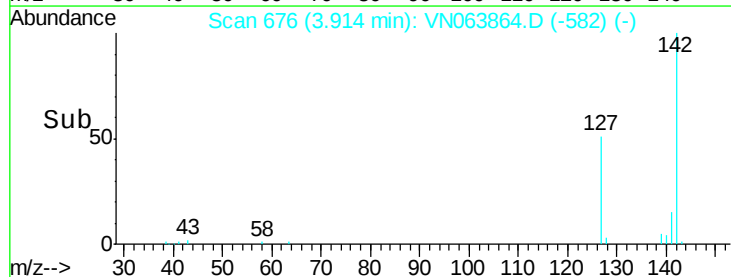
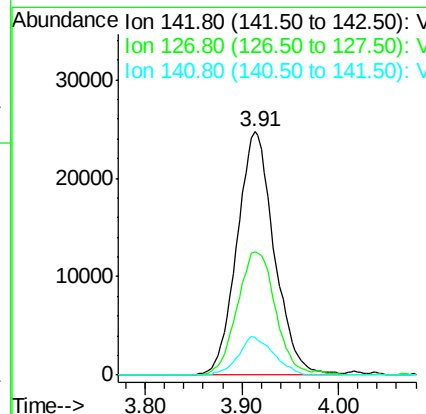
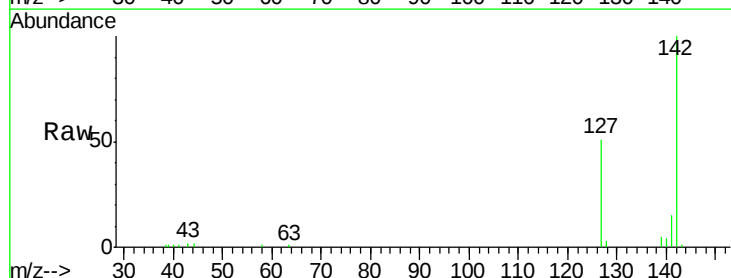
RT: 3.91 min Scan# 676

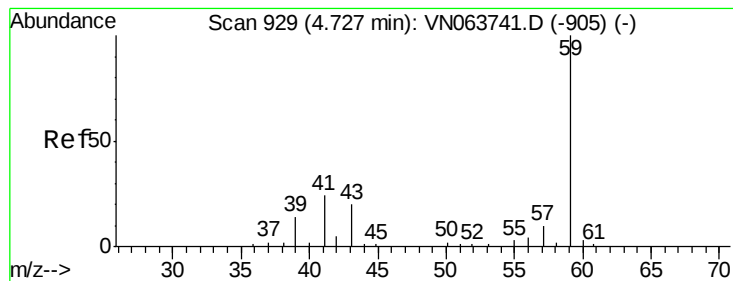
Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	142	Resp:	66235
Ion Ratio	Lower	Upper	
142	100		
127	51.9	40.5	60.7
141	14.9	11.7	17.5





#11

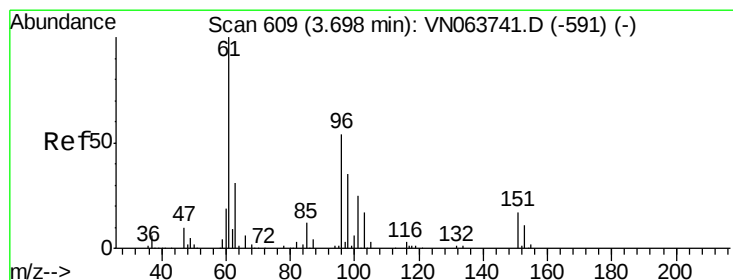
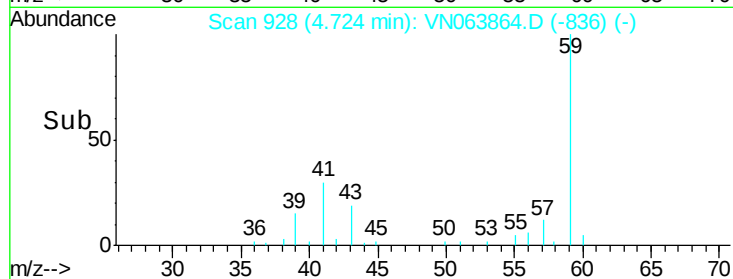
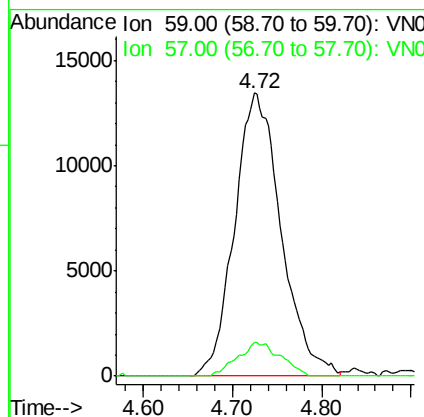
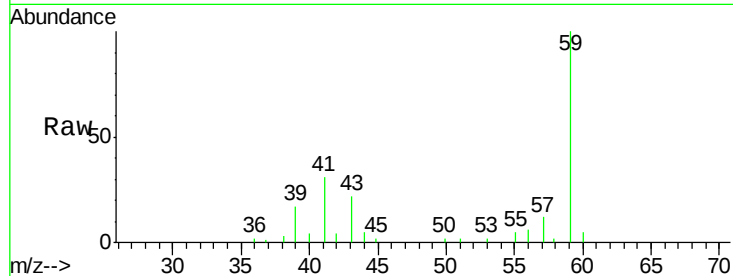
Tert butyl alcohol
 Concen: 96.257 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion: 59 Resp: 48659
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.7 13.1

Manual Integrations
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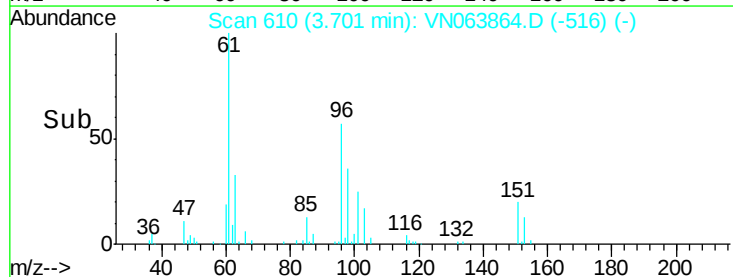
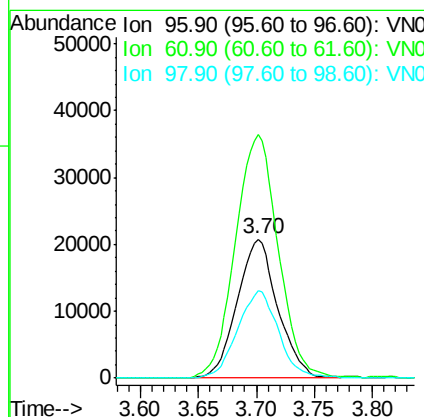
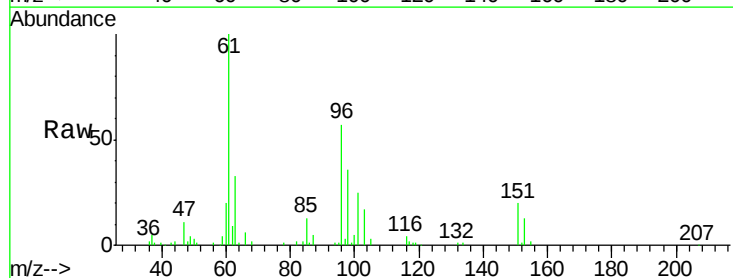
MMDadoda
 10/6/2020 12:56:33 PM

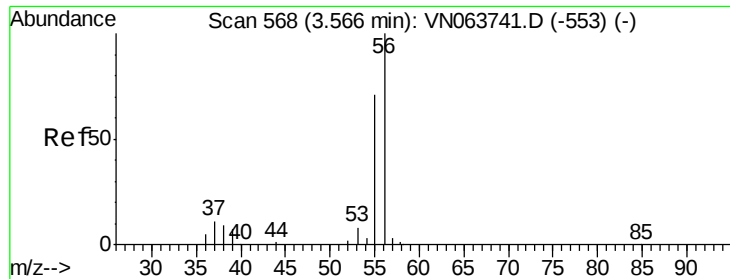


#12

1,1-Dichloroethene
 Concen: 18.088 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion: 96 Resp: 50482
 Ion Ratio Lower Upper
 96 100
 61 175.0 147.7 221.5
 98 63.1 51.9 77.9





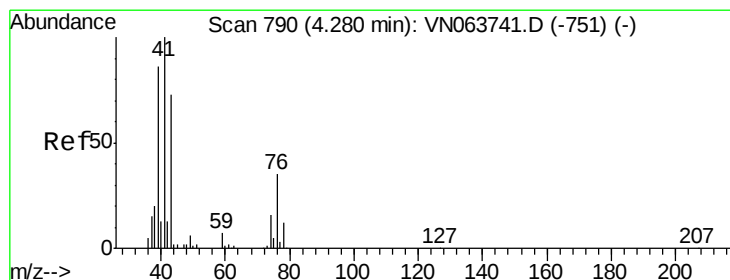
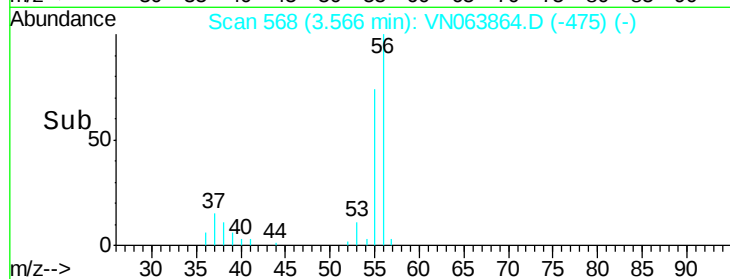
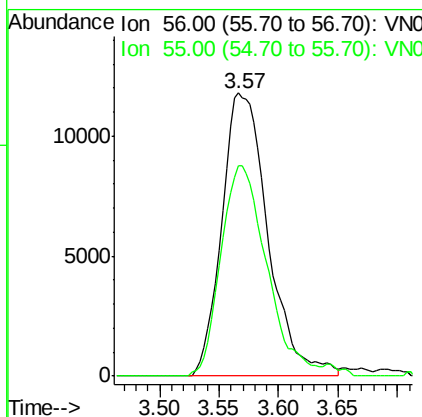
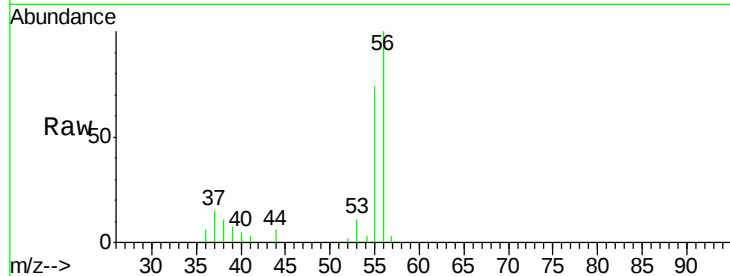
#13
Acrolein
Concen: 102.277 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	56	Resp	31732
Ion Ratio	100	Lower	Upper
56	100		
55	73.9	56.9	85.3

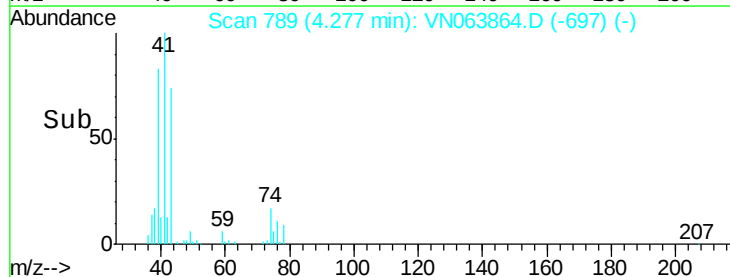
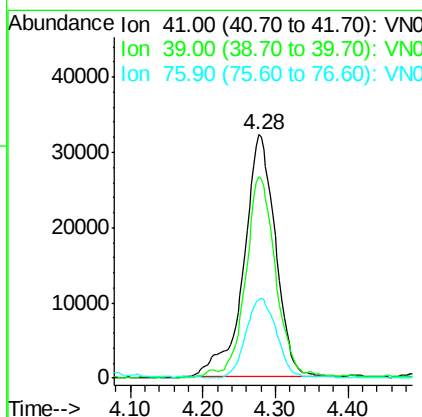
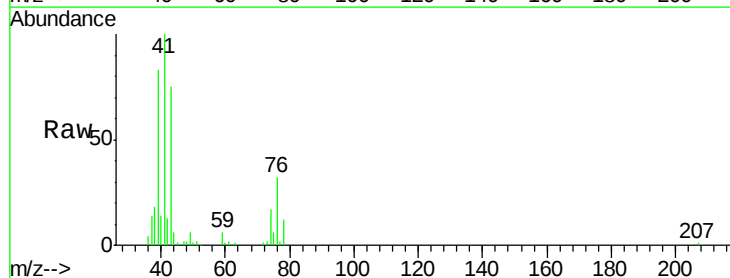
Manual Integrations
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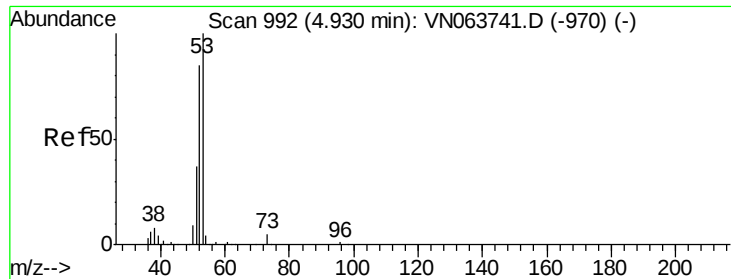
MMDadoda
10/6/2020 12:56:33 PM



#14
Allyl chloride
Concen: 18.837 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	41	Resp	97666
Ion Ratio	100	Lower	Upper
41	100		
39	74.2	64.5	96.7
76	32.1	25.9	38.9





#15

Acrylonitrile

Concen: 94.494 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

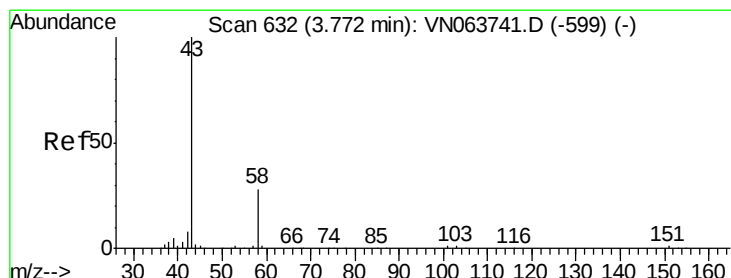
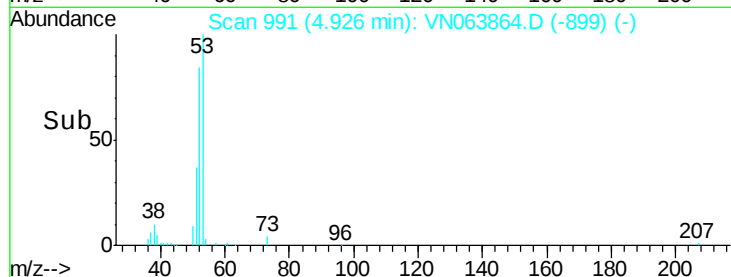
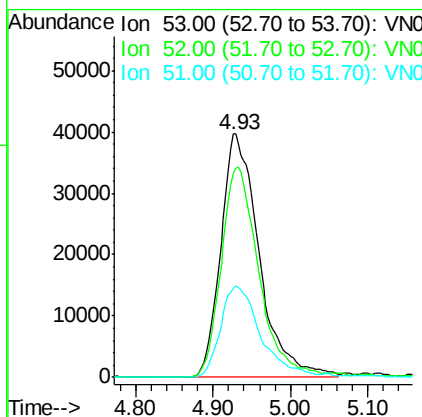
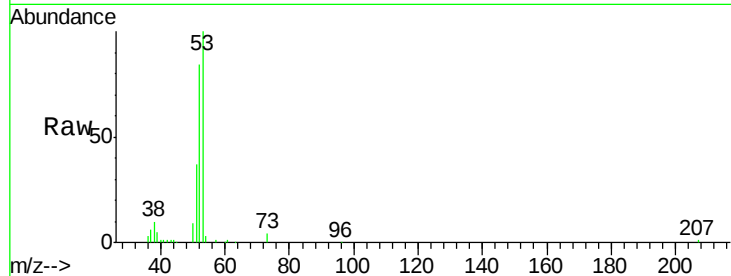
ClientSampleId :

VN1005WBS01

Tot Ion:	53	Resp:	136733
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.5	99.7
51	39.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 94.840 ug/l

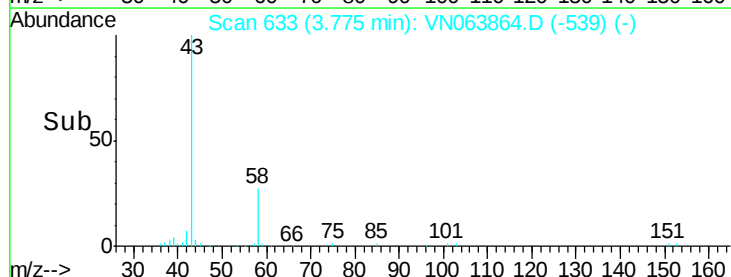
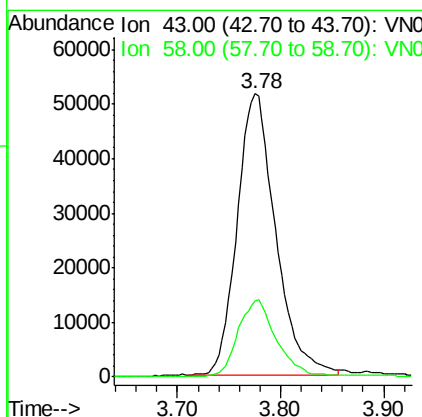
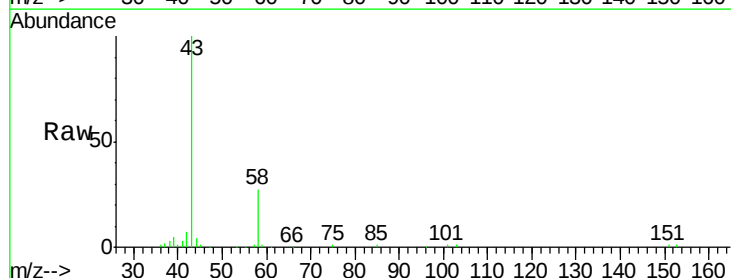
RT: 3.78 min Scan# 633

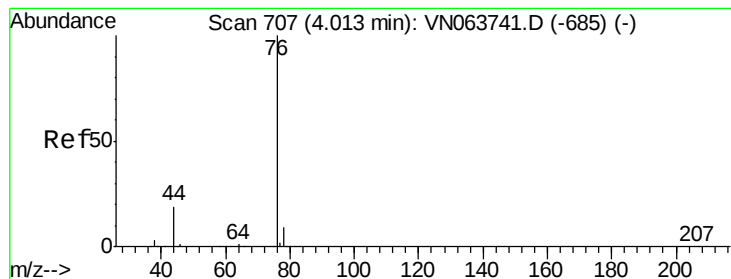
Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	43	Resp:	133677
Ion Ratio	Lower	Upper	
43	100		
58	27.1	22.3	33.5





#17

Carbon Disulfide

Concen: 18.165 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 76 Resp: 133608

Ion Ratio Lower Upper

76 100

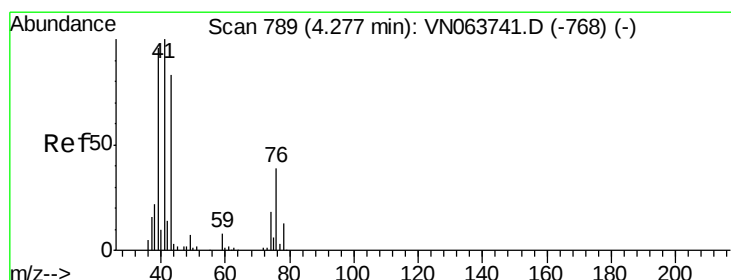
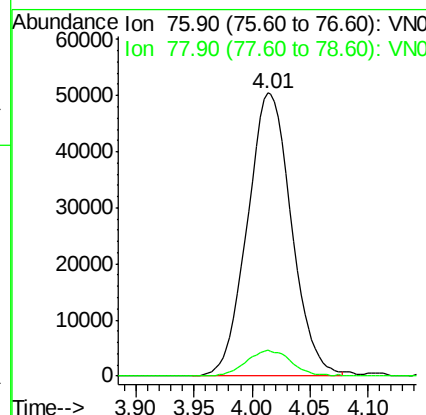
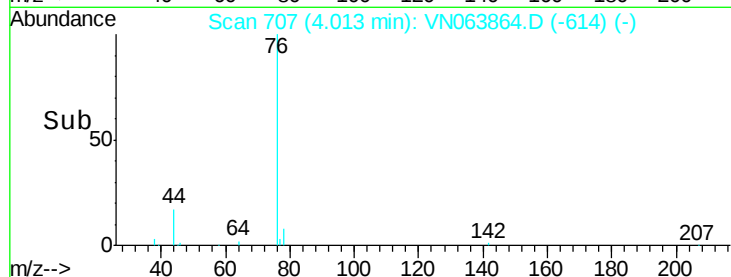
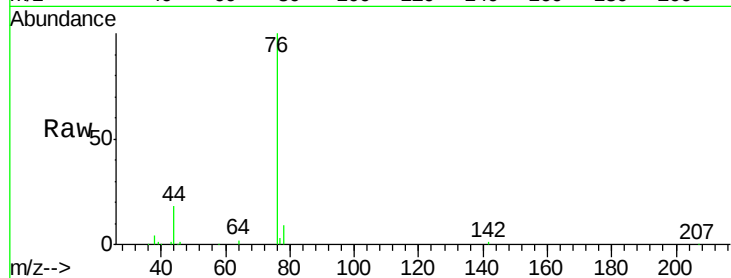
78 9.0 7.0 10.4

Manual Integrations

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#18

Methyl Acetate

Concen: 19.852 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063864.D

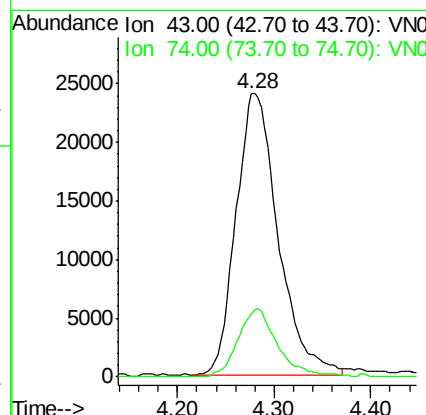
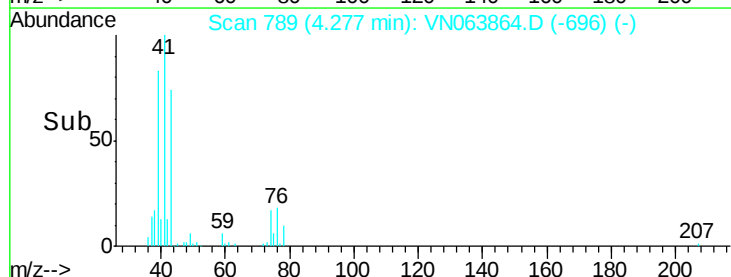
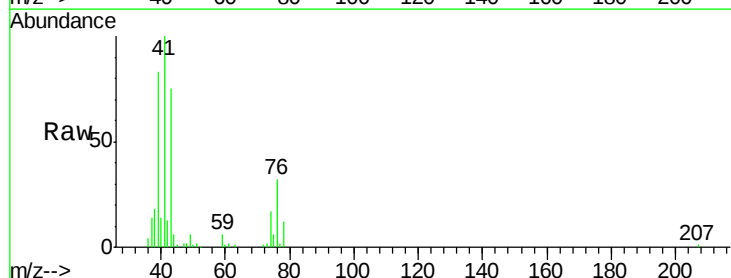
Acq: 5 Oct 2020 12:30

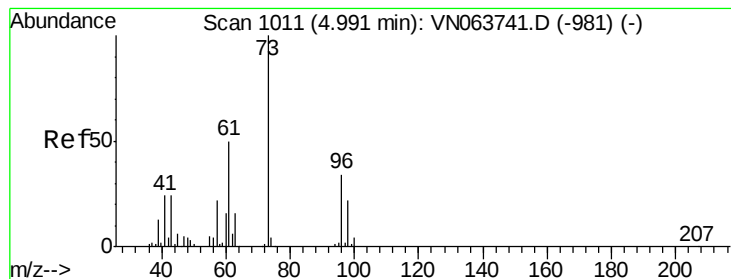
Tgt Ion: 43 Resp: 72652

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 19.159 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 73 Resp: 194265

Ion Ratio Lower Upper

73 100

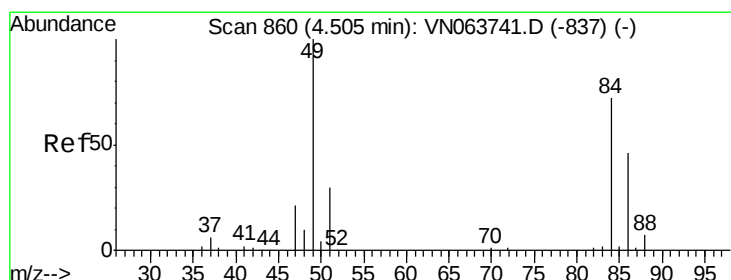
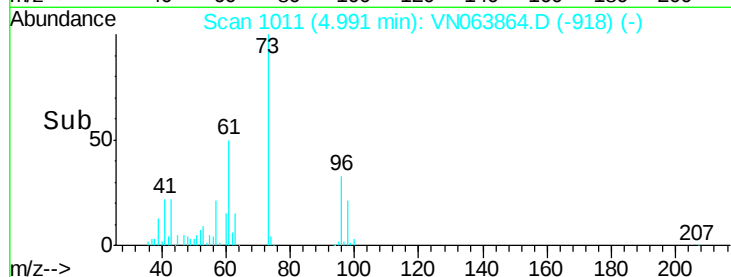
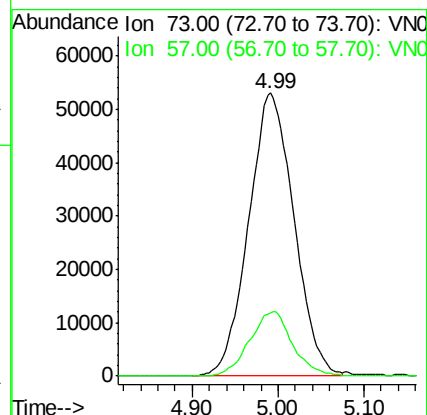
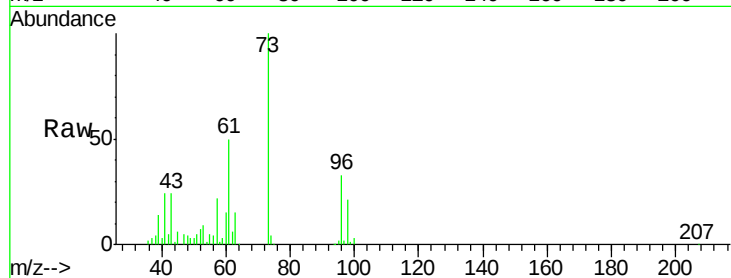
57 22.1 17.6 26.4

Manual Integrations

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#20

Methylene Chloride

Concen: 19.463 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion: 84 Resp: 62642

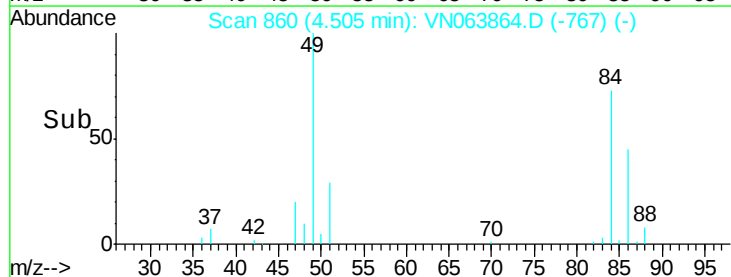
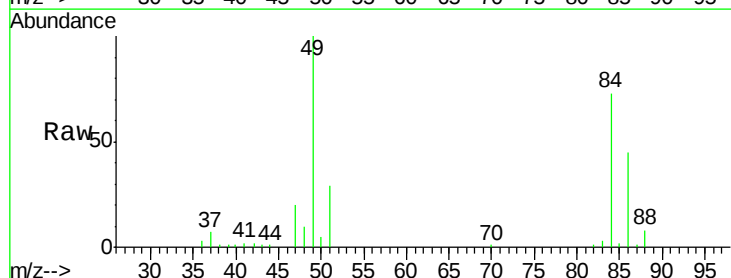
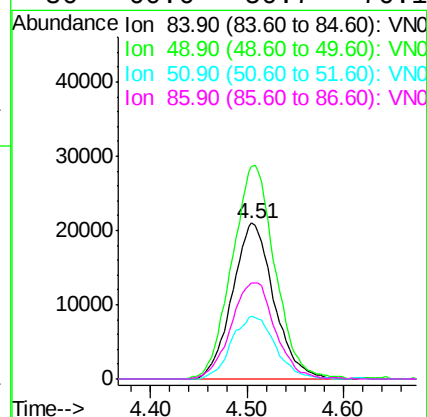
Ion Ratio Lower Upper

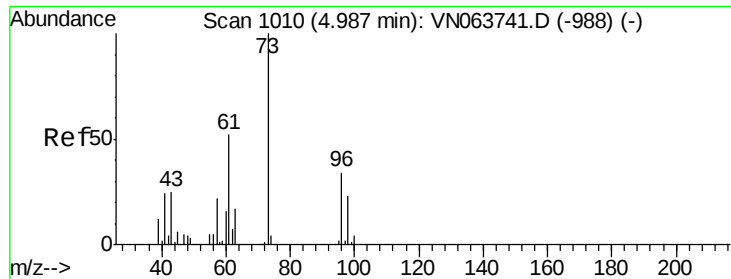
84 100

49 135.0 110.4 165.6

51 40.1 33.3 49.9

86 60.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.390 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

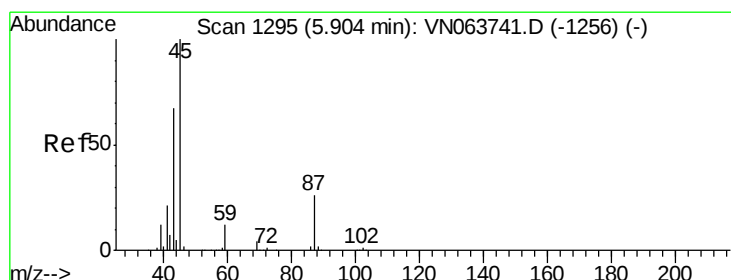
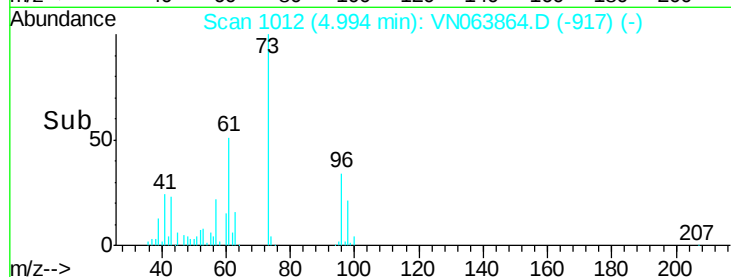
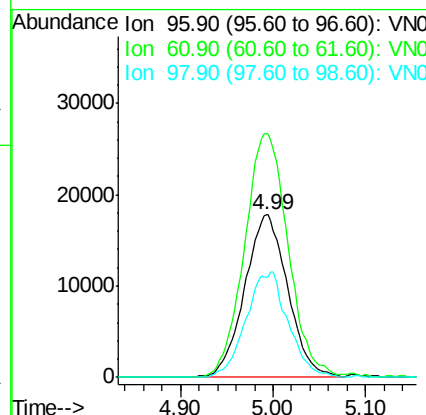
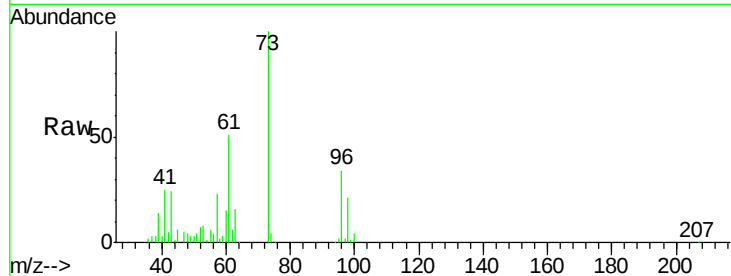
ClientSampleId :

VN1005WBS01

Tot Ion:	96	Resp:	57487
Ion	Ratio	Lower	Upper
96	100		
61	149.5	120.2	180.2
98	61.9	52.6	79.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.771 ug/l

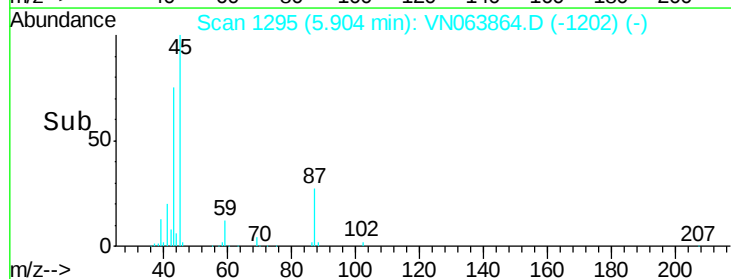
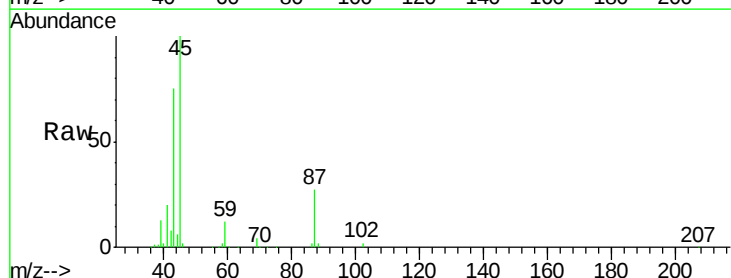
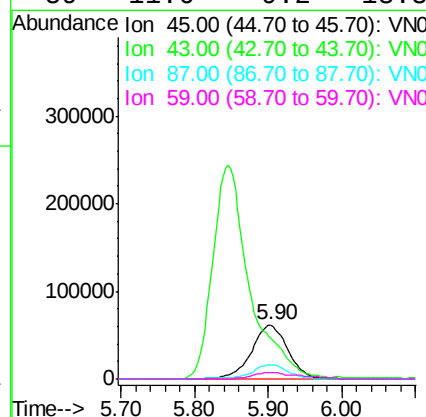
RT: 5.90 min Scan# 1295

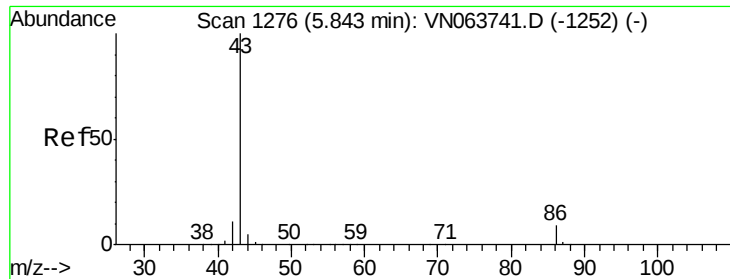
Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	45	Resp:	210910
Ion	Ratio	Lower	Upper
45	100		
43	72.1	53.7	80.5
87	26.5	21.1	31.7
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 96.281 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 43 Resp: 850805

Ion Ratio Lower Upper

43 100

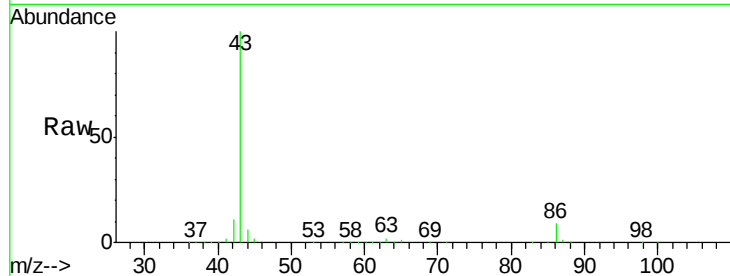
86 9.1 7.3 10.9

Manual Integrations

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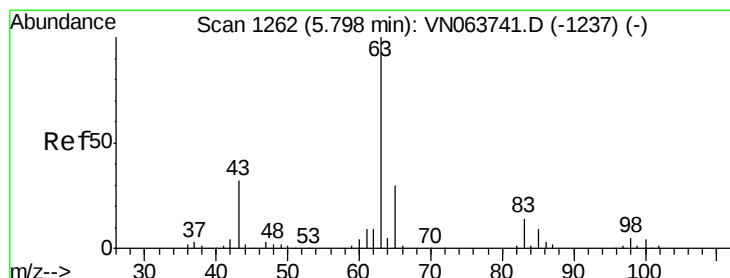
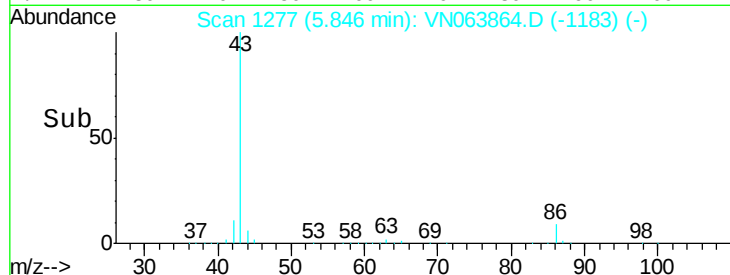
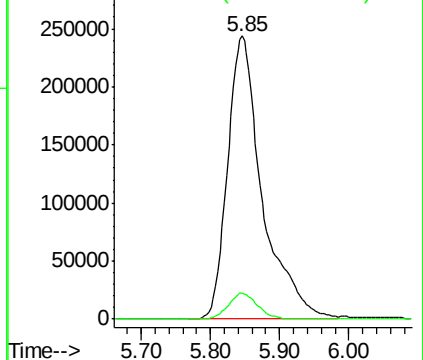
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Abundance Ion 43.00 (42.70 to 43.70): VN063864.D (-1183) (-)

Ion 86.00 (85.70 to 86.70): VN063864.D (-1183) (-)



#24

1,1-Dichloroethane

Concen: 19.426 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

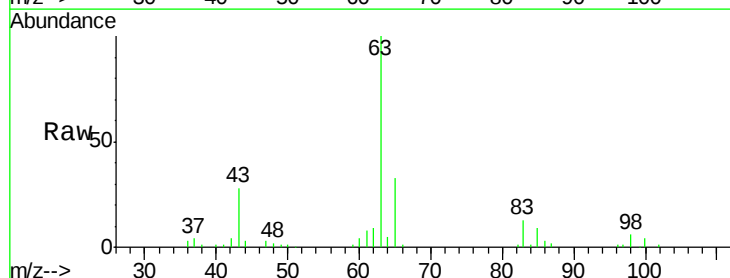
Tgt Ion: 63 Resp: 118486

Ion Ratio Lower Upper

63 100

98 5.6 2.7 8.1

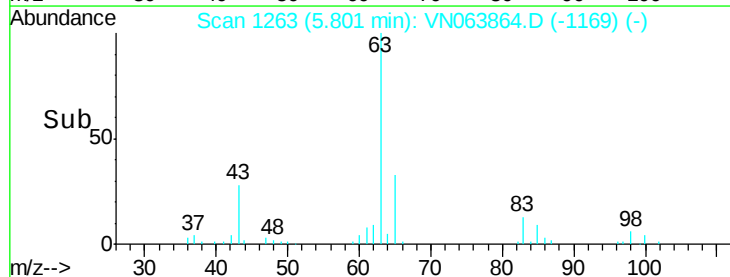
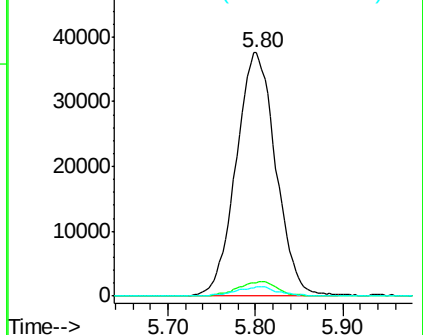
100 3.8 1.9 5.7

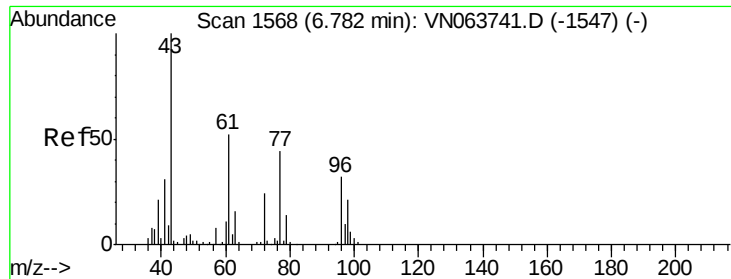


Abundance Ion 62.90 (62.60 to 63.60): VN063864.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN063864.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN063864.D (-1169) (-)





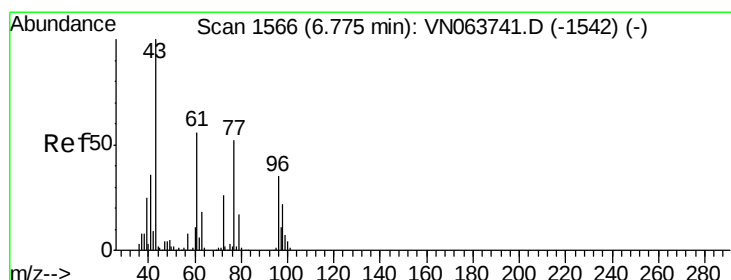
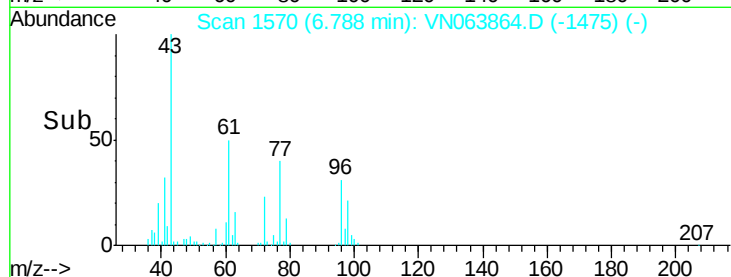
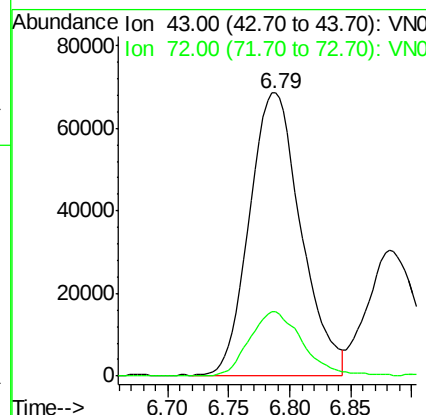
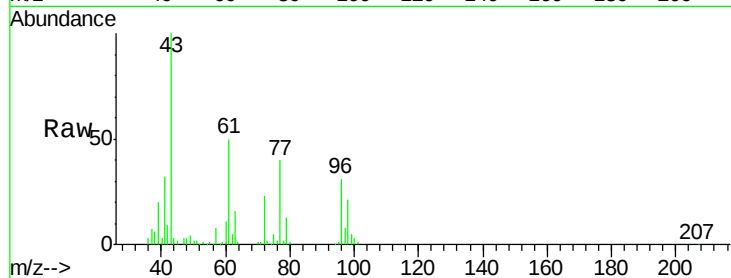
#25
2-Butanone
Concen: 99.974 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion: 43 Resp: 199779
Ion Ratio Lower Upper
43 100
72 22.9 19.3 28.9

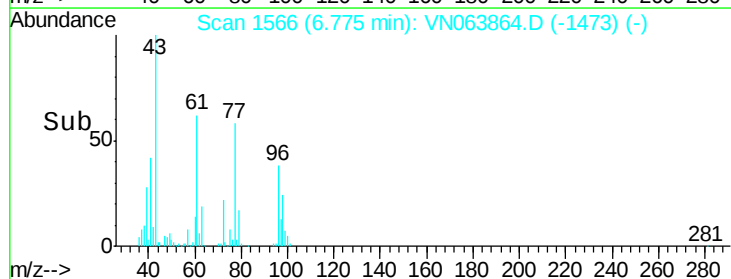
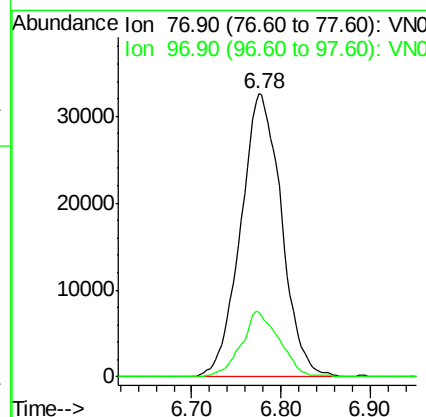
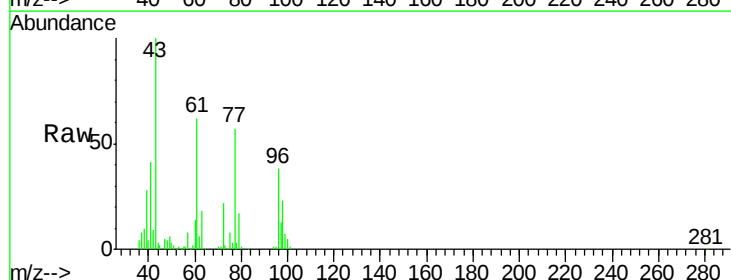
Manual Integrations
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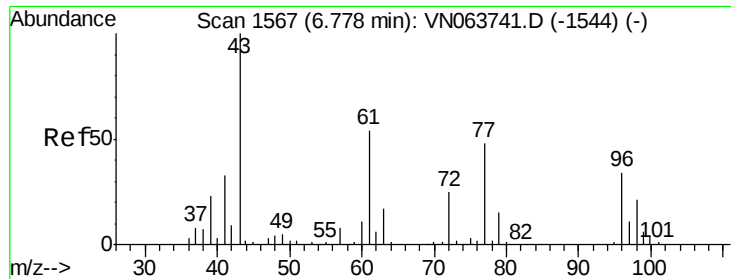
MMDadoda
10/6/2020 12:56:33 PM



#26
2,2-Dichloropropane
Concen: 18.498 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion: 77 Resp: 103327
Ion Ratio Lower Upper
77 100
97 21.5 10.8 32.3





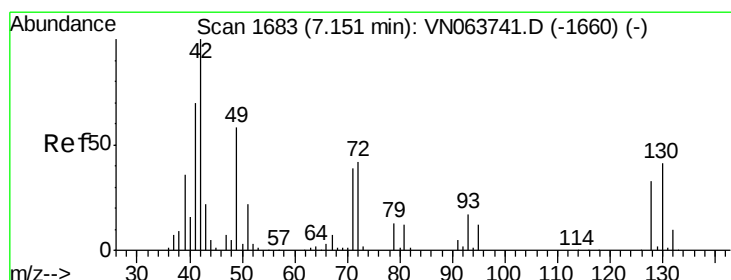
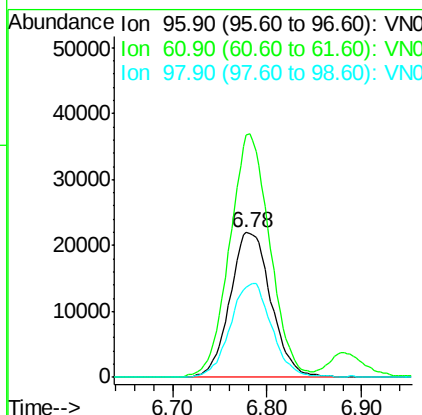
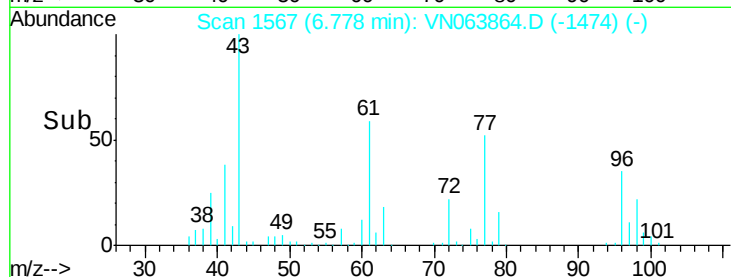
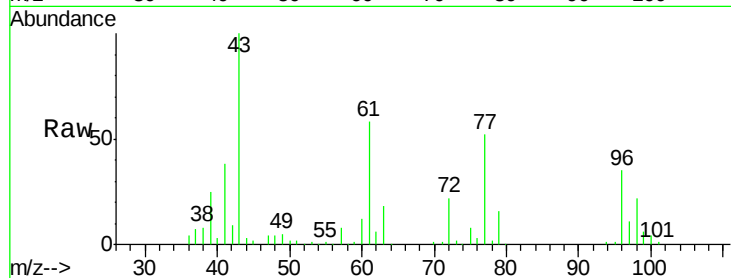
#27
 cis-1,2-Dichloroethene
 Concen: 18.453 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.3	0.0	321.2
98	64.9	0.0	124.4

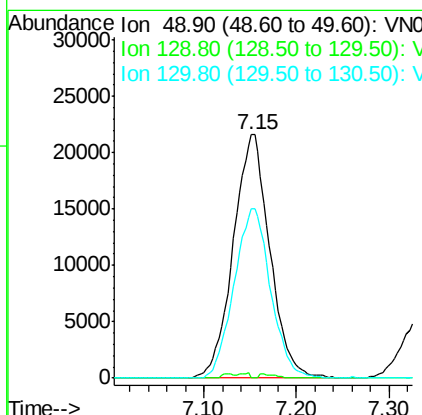
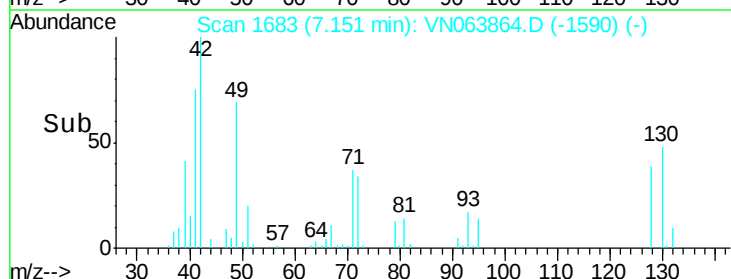
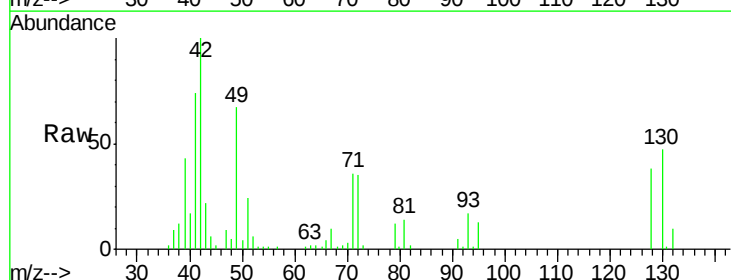
Manual Integrations
 APPROVED

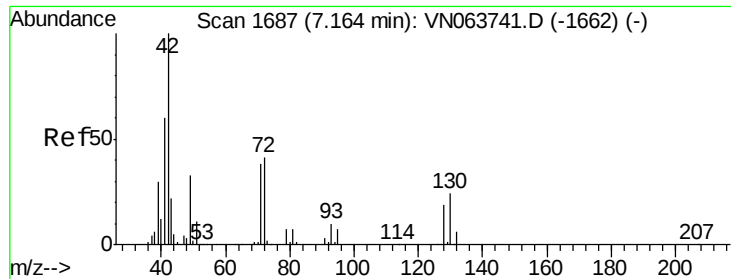
MMDadoda
 10/6/2020 12:56:33 PM



#28
 Bromochloromethane
 Concen: 19.567 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.8
130	69.5	55.6	83.4





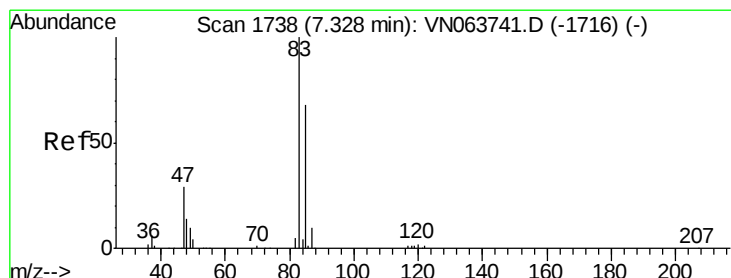
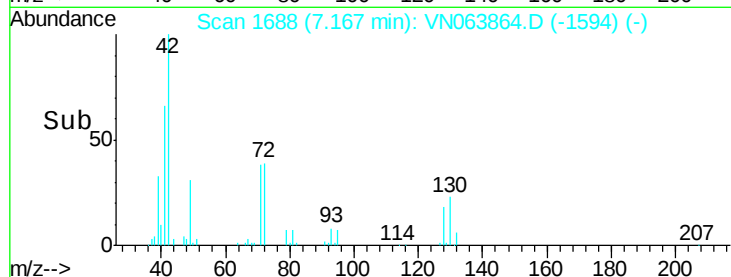
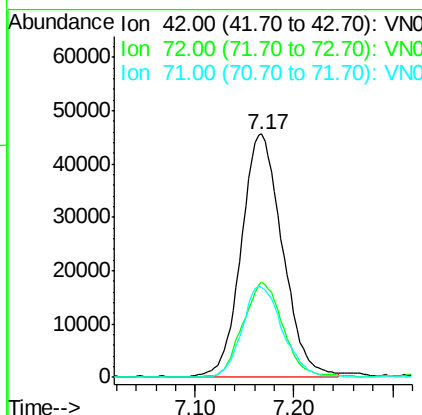
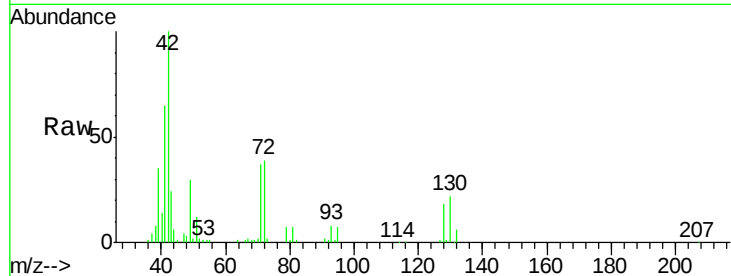
#29
Tetrahydrofuran
Concen: 98.437 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	32.8	49.2
71	36.8	30.6	45.8

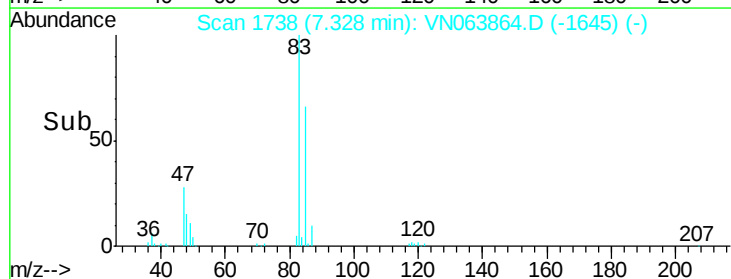
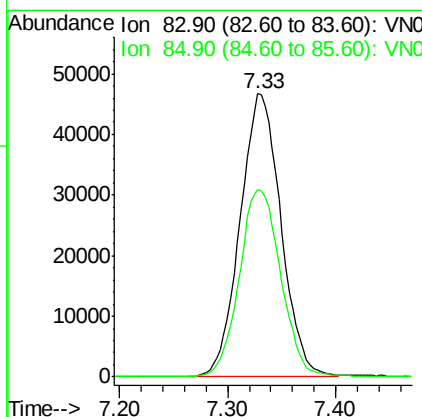
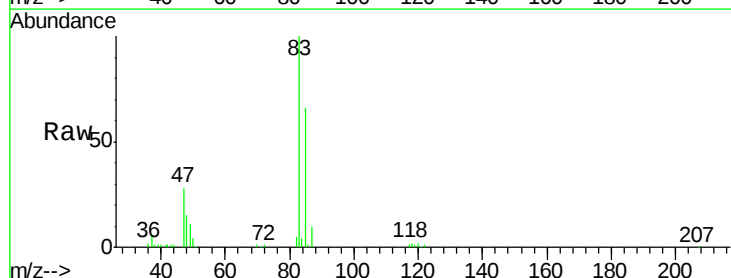
Manual Integrations
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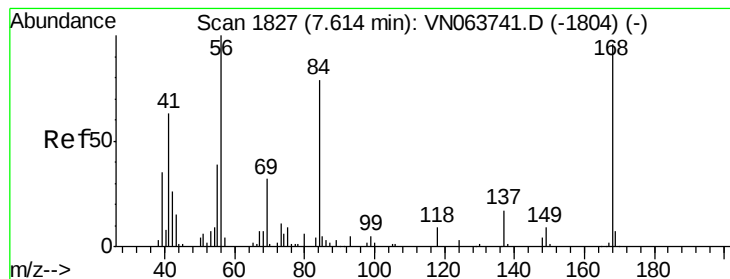
MMDadoda
10/6/2020 12:56:33 PM



#30
Chloroform
Concen: 19.345 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	54.6	82.0





#31

Cyclohexane

Concen: 17.899 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

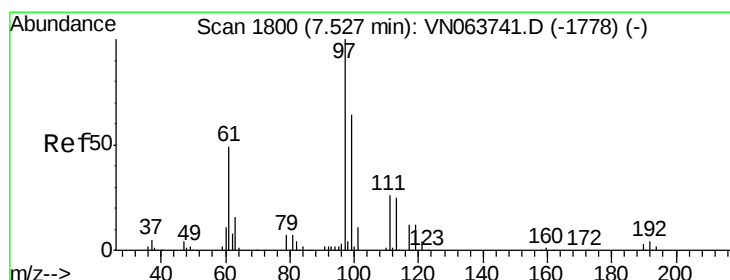
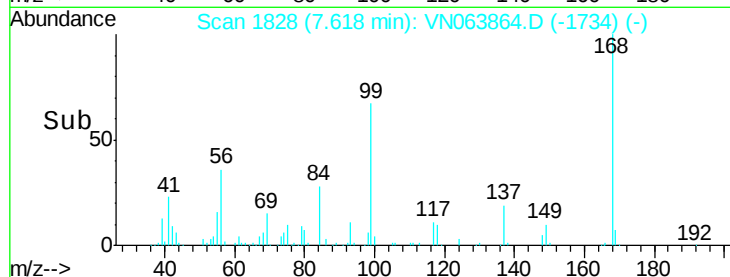
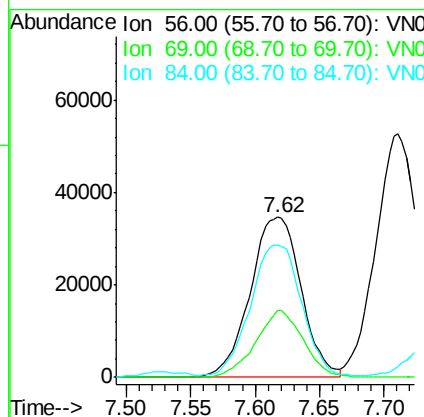
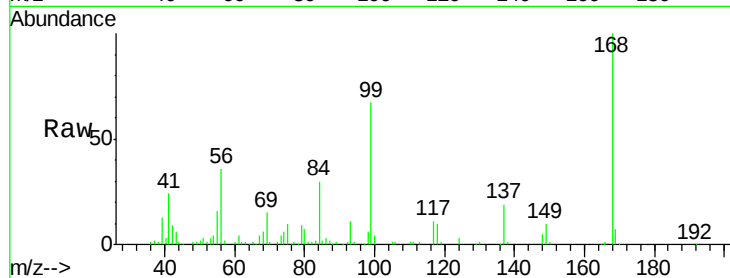
ClientSampleId :

VN1005WBS01

Tot Ion:	56	Resp:	95148
Ion Ratio	Lower	Upper	
56	100		
69	41.6	25.4	38.2#
84	81.0	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.831 ug/l

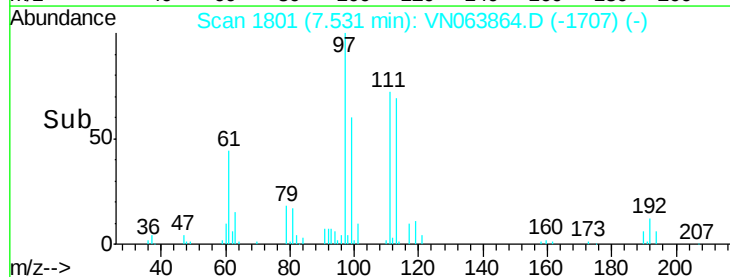
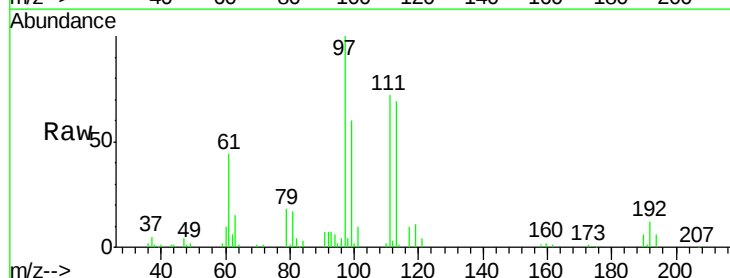
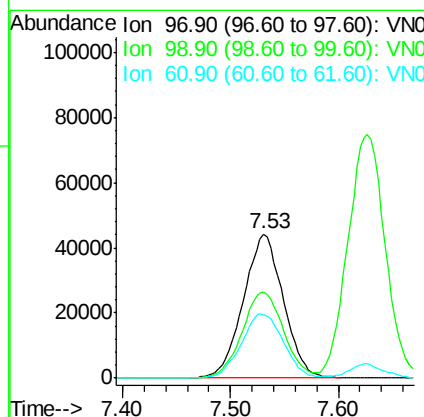
RT: 7.53 min Scan# 1801

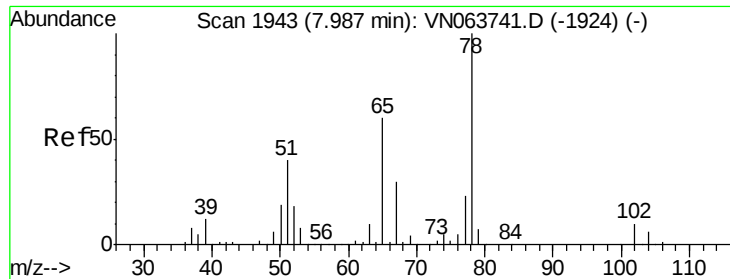
Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	97	Resp:	113760
Ion Ratio	Lower	Upper	
97	100		
99	62.1	51.0	76.6
61	47.0	38.7	58.1





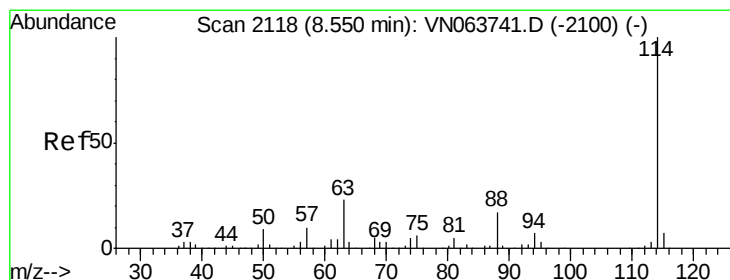
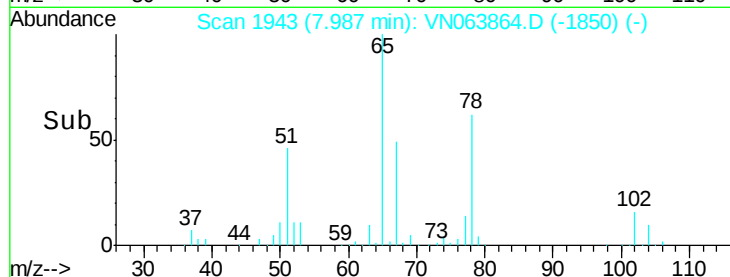
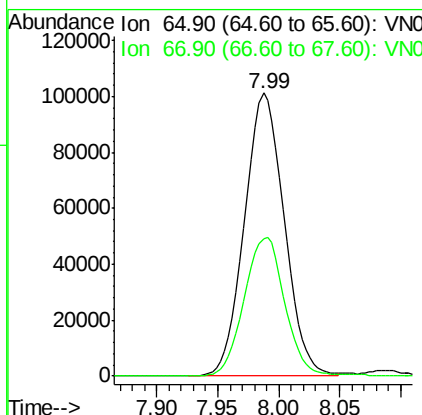
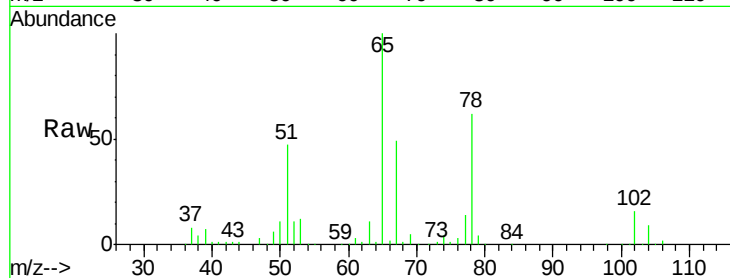
#33
 1,2-Dichloroethane-d4
 Concen: 49.915 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	228550		
67	49.9	0.0	99.6	

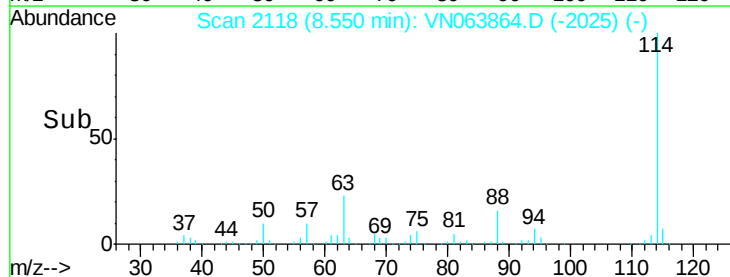
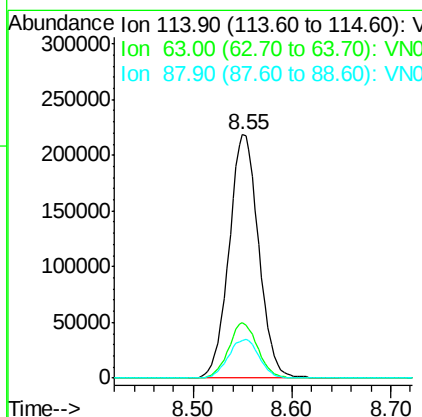
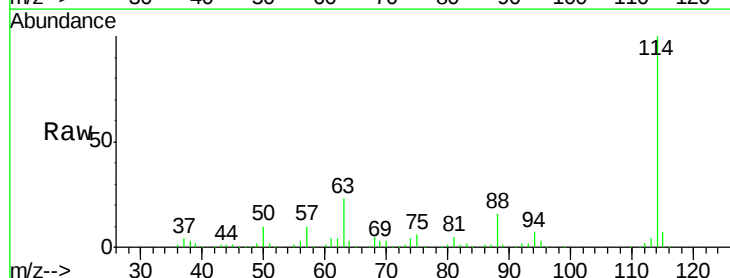
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	457909		
63	22.8	0.0	45.0	
88	15.6	0.0	34.0	





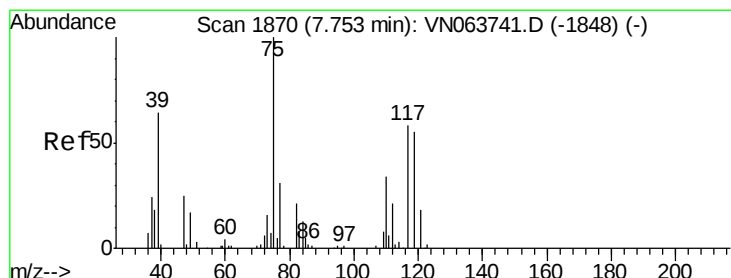
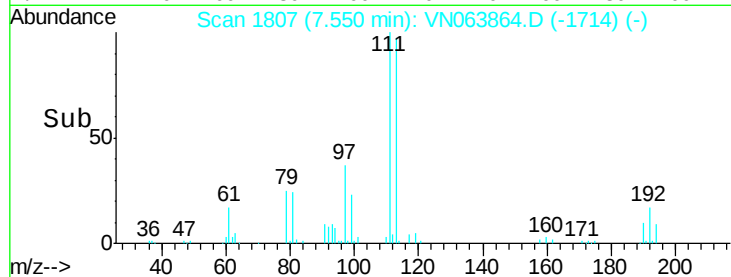
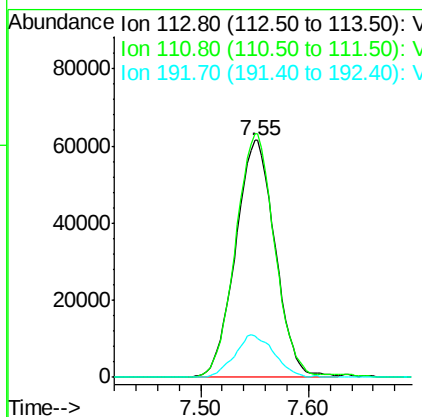
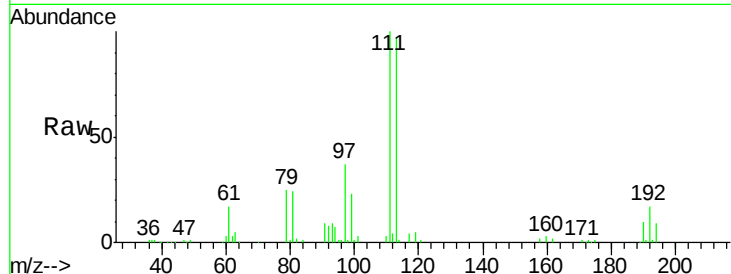
#35
 Dibromofluoromethane
 Concen: 49.457 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157140		
111	101.3	81.8	122.8	
192	17.8	14.2	21.2	

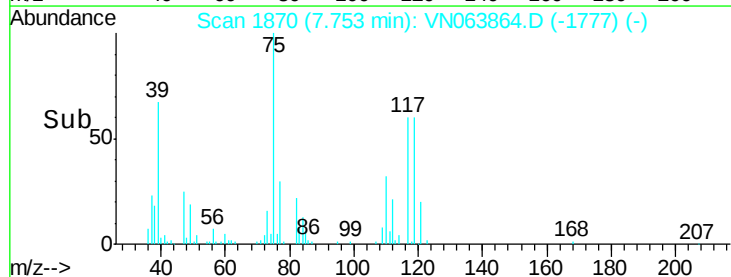
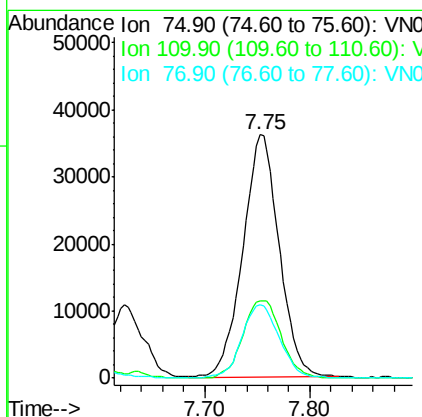
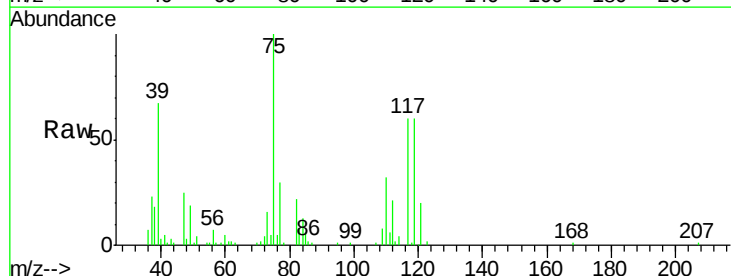
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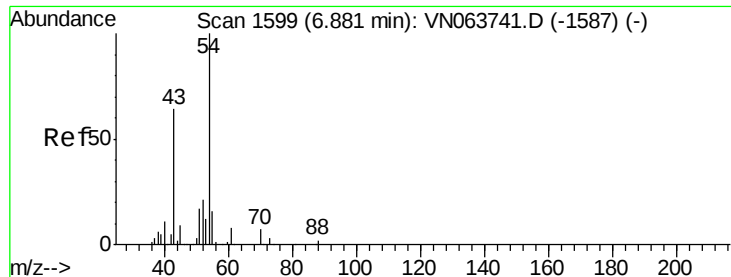
MMDadoda
 10/6/2020 12:56:33 PM



#36
 1,1-Dichloropropene
 Concen: 18.698 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86740		
110	33.7	16.9	50.6	
77	31.5	24.5	36.7	





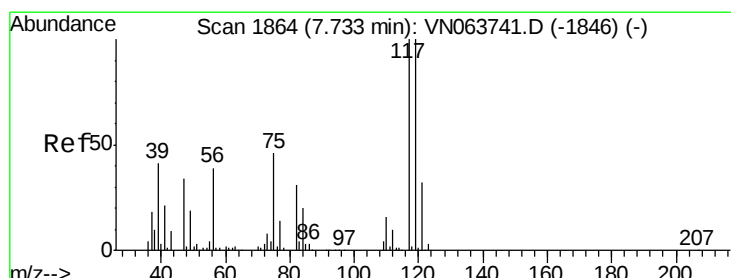
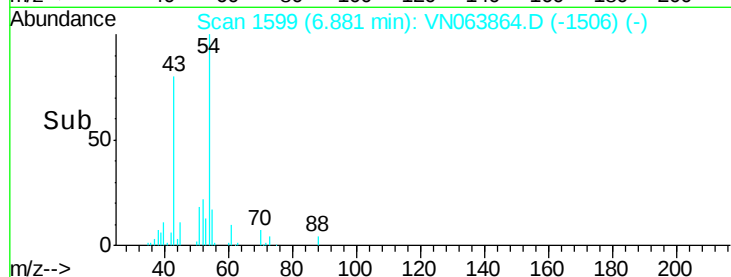
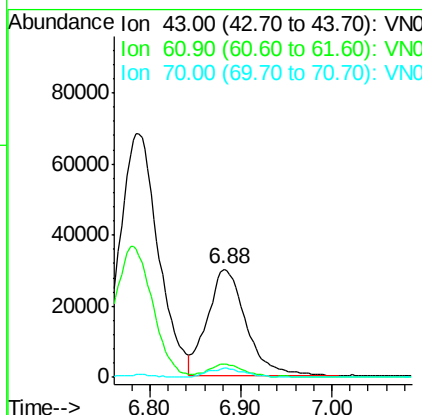
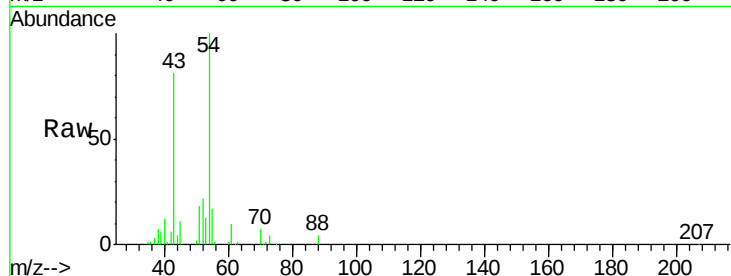
#37
Ethyl Acetate
Concen: 19.391 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.1	10.4	15.6#
70	8.2	7.3	10.9

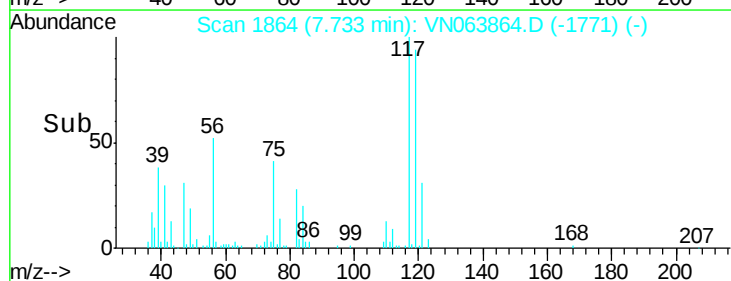
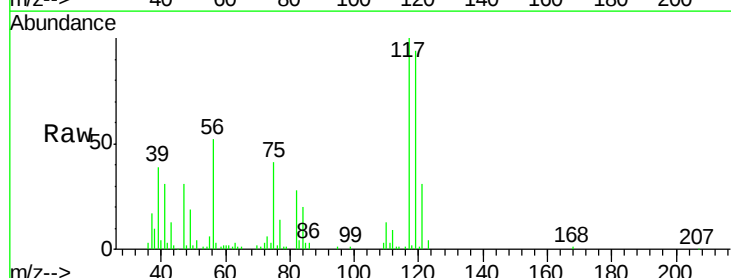
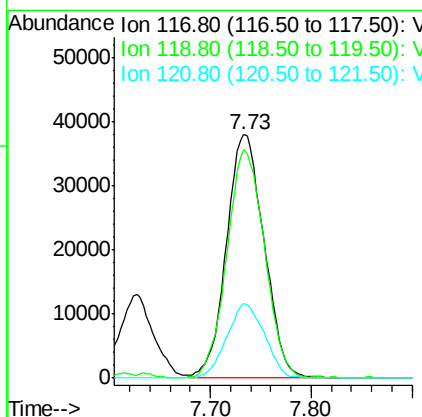
Manual Integrations
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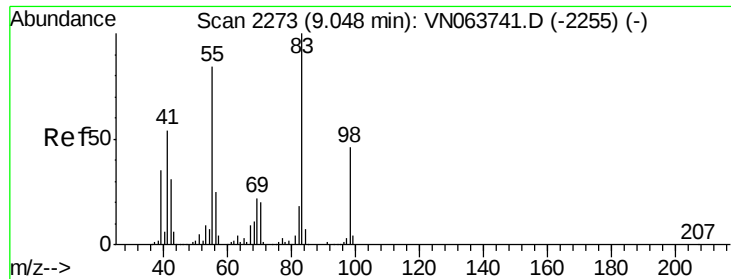
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.028 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	80.1	120.1
121	30.7	25.7	38.5





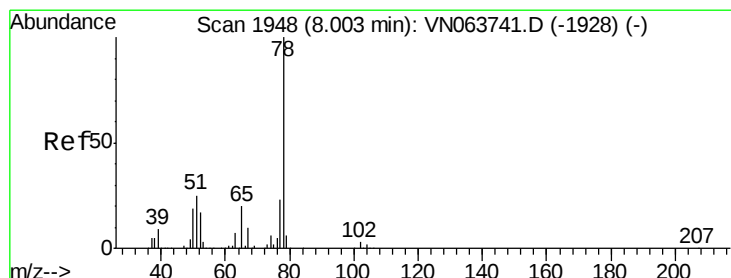
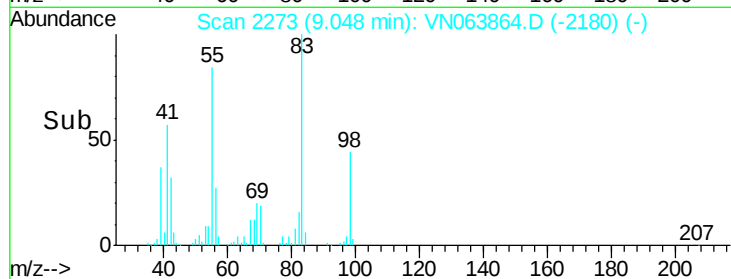
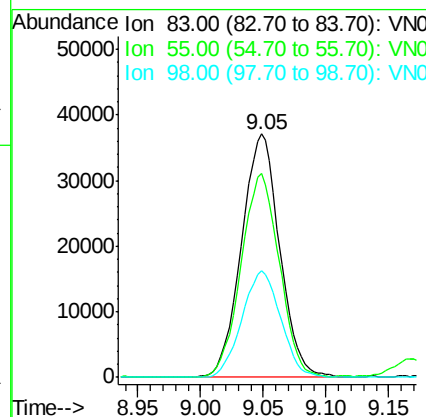
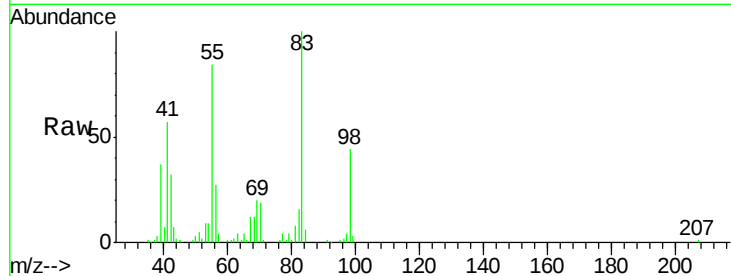
#39
Methvlcvclohexane
Concen: 16.982 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	83	Resp	78562
Ion	Ratio	Lower	Upper
83	100		
55	83.6	67.1	100.7
98	43.7	36.6	54.8

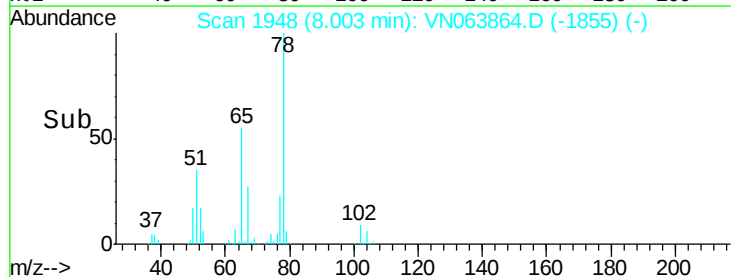
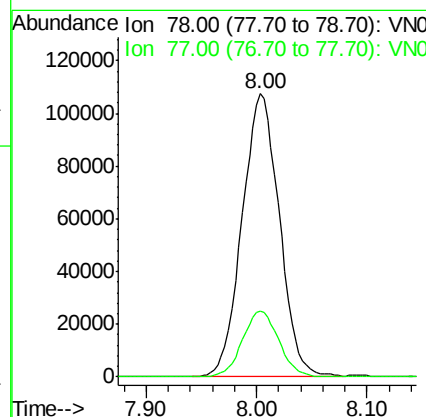
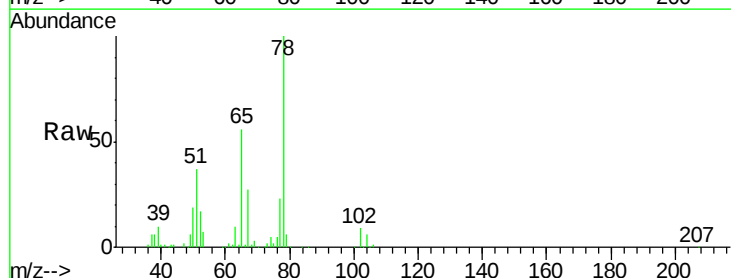
Manual Integrations
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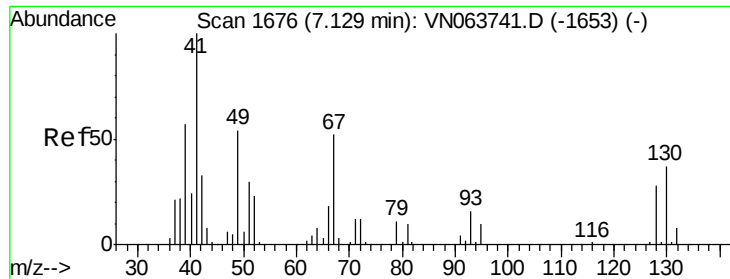
MMDadoda
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#40
Benzene
Concen: 18.983 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	78	Resp	251525
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





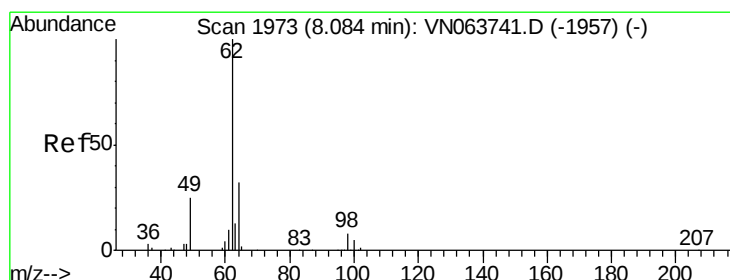
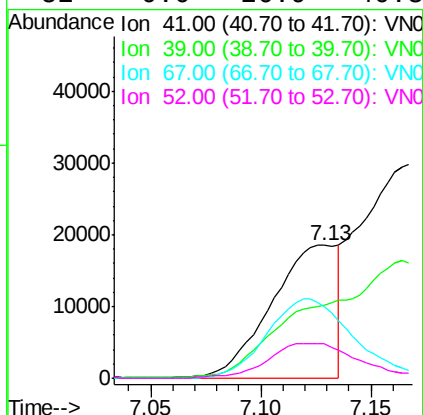
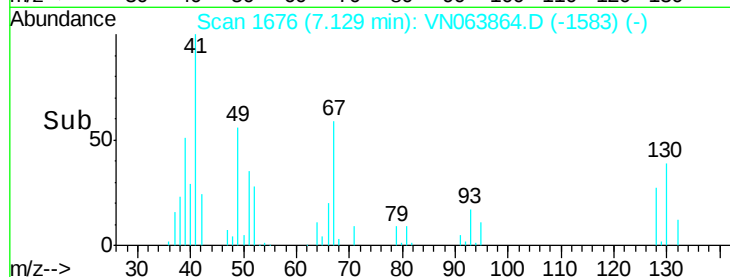
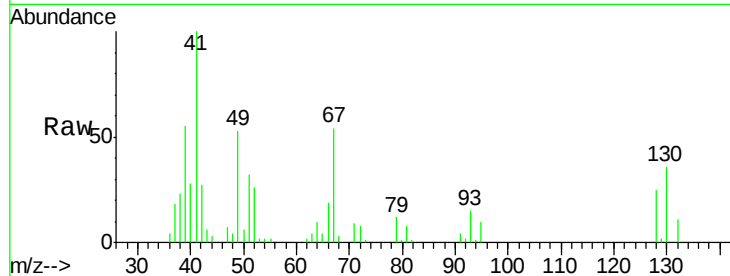
#41
Methacrylonitrile
Concen: 19.127 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	174.2	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

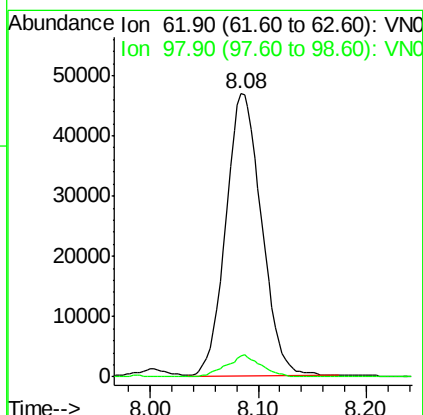
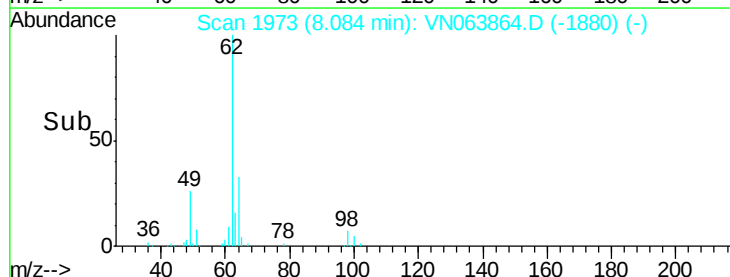
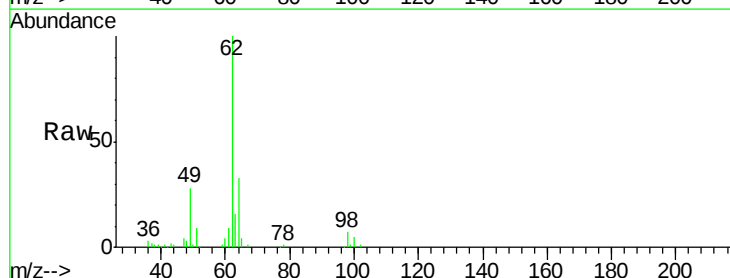
Manual Integrations
APPROVED

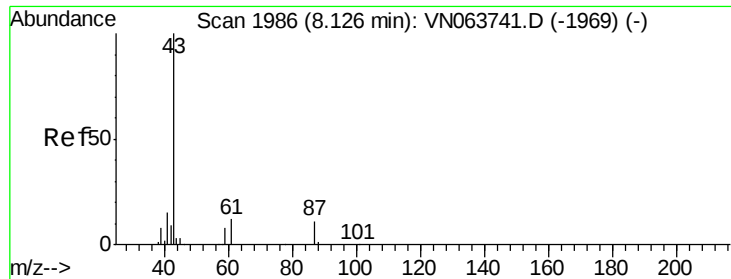
MMDadoda
10/6/2020 12:56:33 PM



#42
1,2-Dichloroethane
Concen: 19.164 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.0





#43

Isopropyl Acetate

Concen: 19.267 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

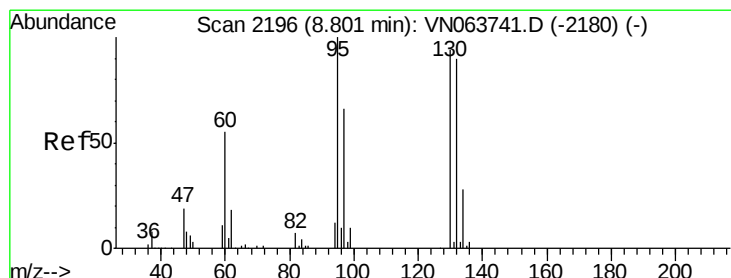
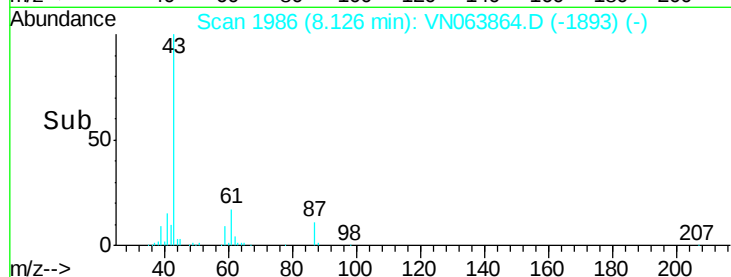
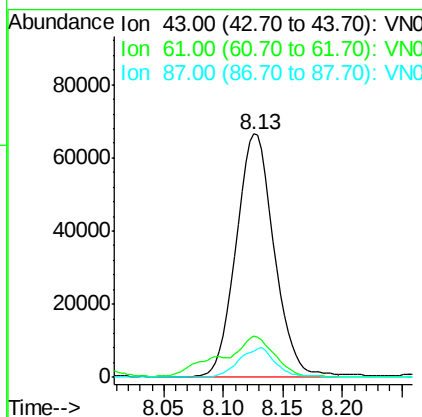
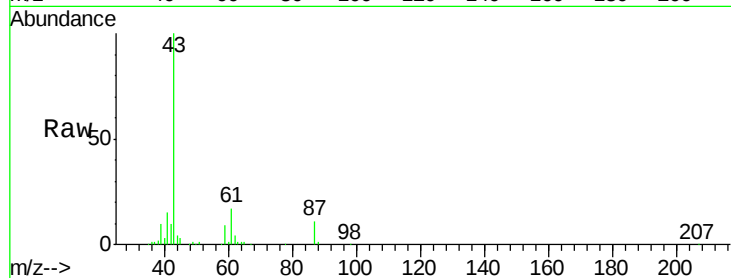
ClientSampleId :

VN1005WBS01

Tot Ion:	43	Resp:	146476
Ion	Ratio	Lower	Upper
43	100		
61	15.9	14.2	21.4
87	11.7	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.636 ug/l

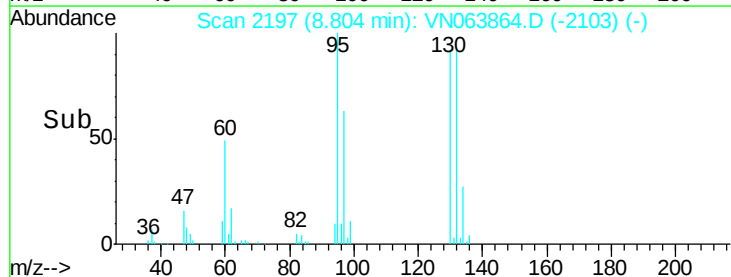
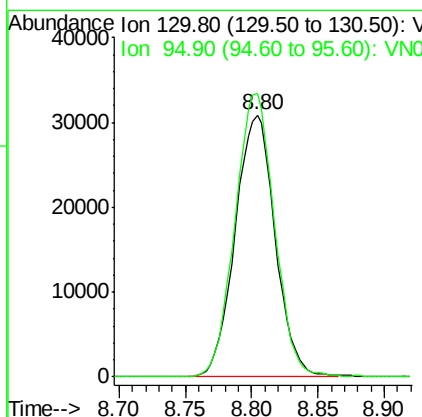
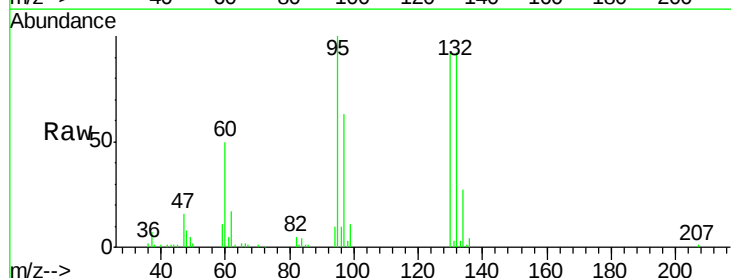
RT: 8.80 min Scan# 2197

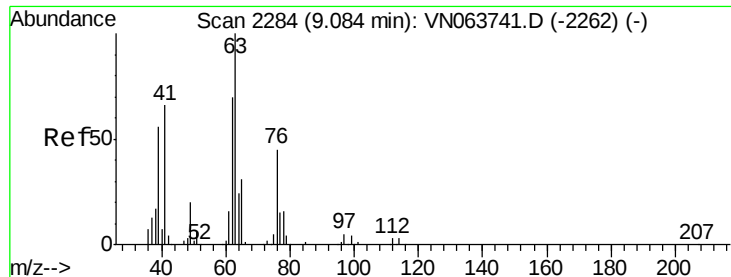
Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	130	Resp:	64700
Ion	Ratio	Lower	Upper
130	100		
95	108.2	0.0	213.6





#45

1,2-Dichloropropane

Concen: 19.100 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

VN1005WBS01

Tot Ion: 63 Resp: 68349

Ion Ratio Lower Upper

63 100

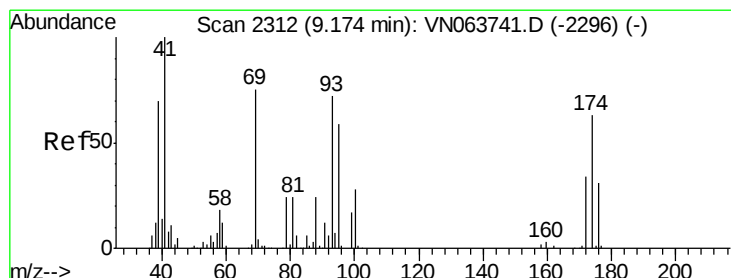
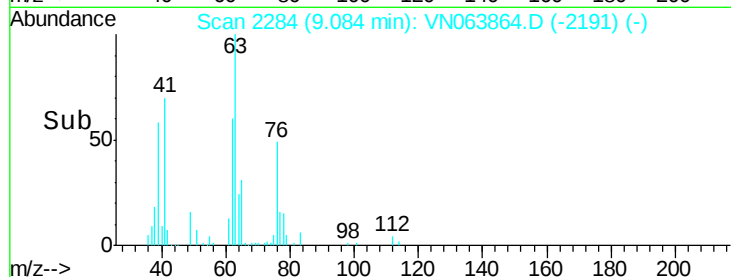
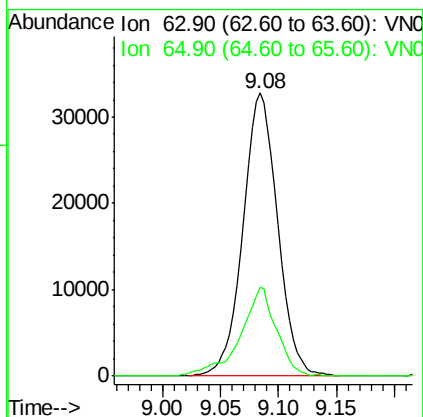
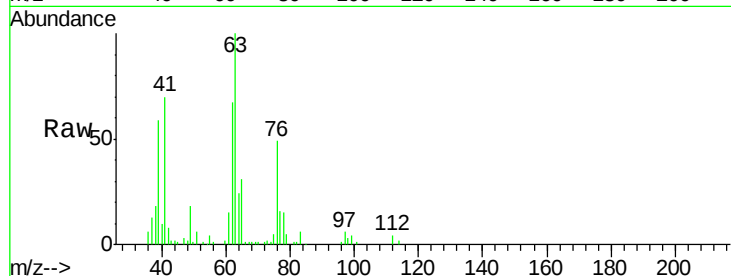
65 31.4 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 18.830 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

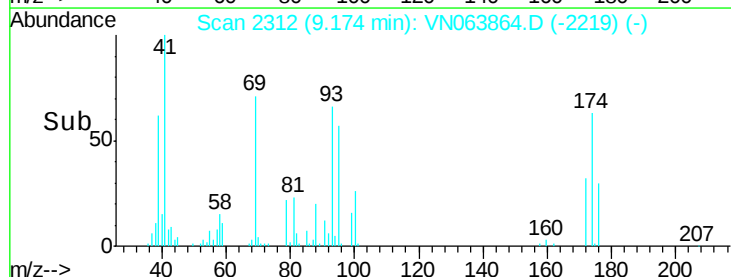
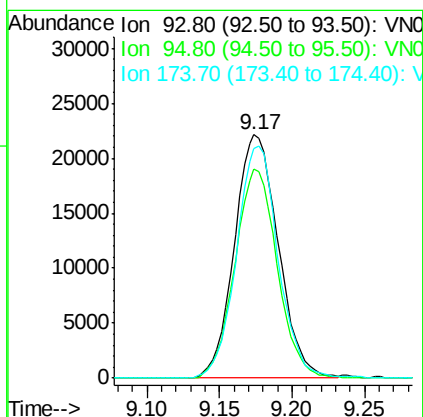
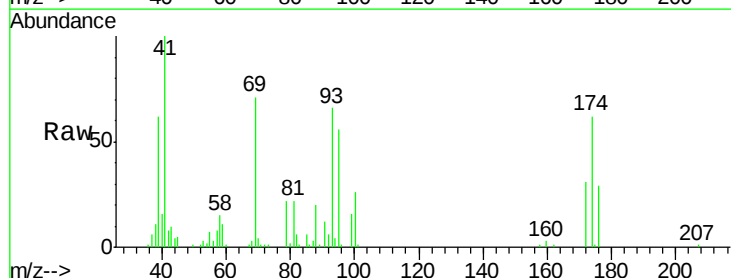
Tgt Ion: 93 Resp: 46484

Ion Ratio Lower Upper

93 100

95 82.8 66.3 99.5

174 90.9 72.7 109.1





#47

Bromodichloromethane

Concen: 18.986 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

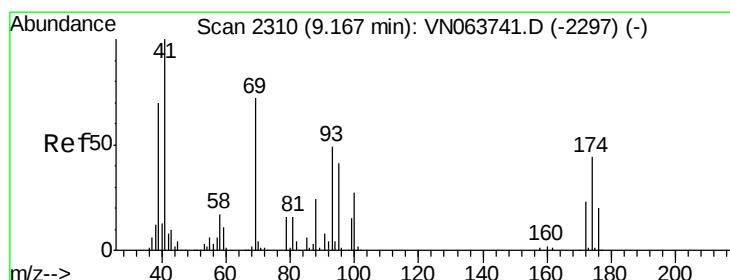
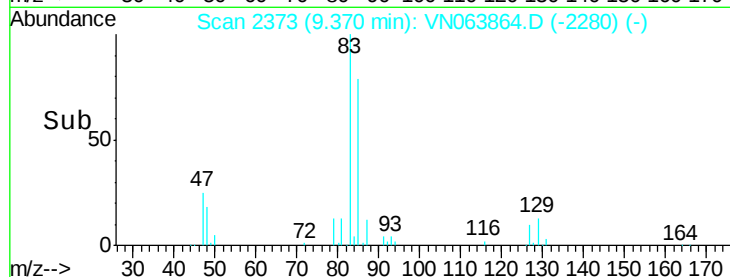
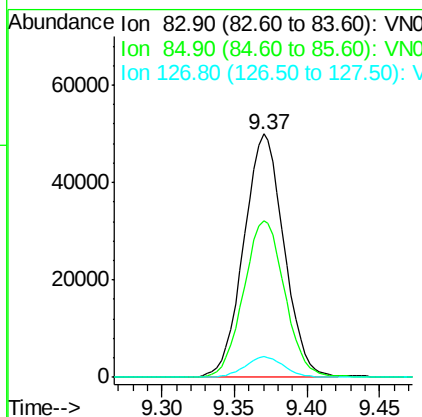
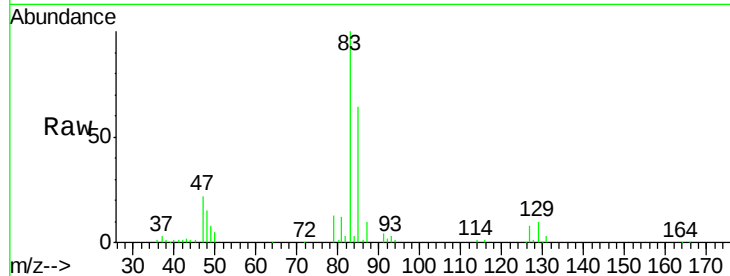
ClientSampleId :

VN1005WBS01

Tot Ion:	83	Resp:	96595
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.6	75.8
127	8.4	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.339 ug/l

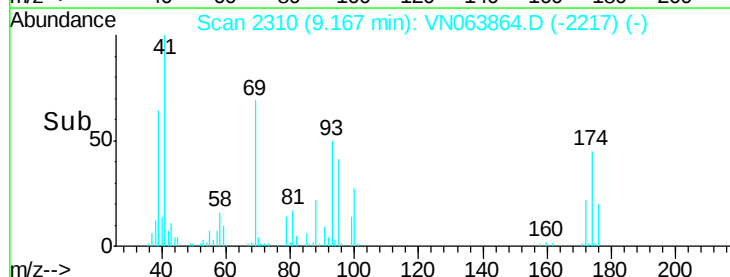
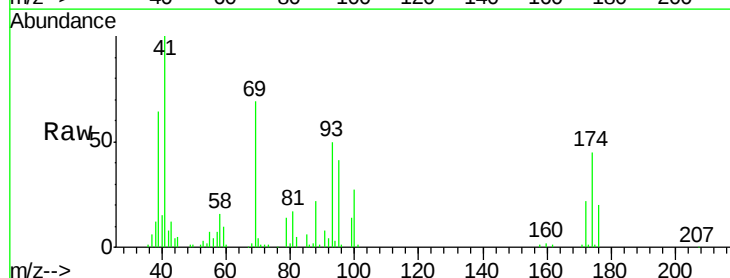
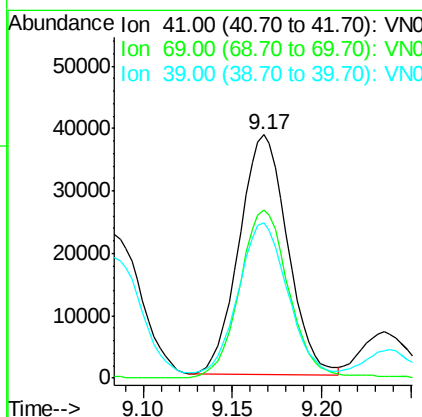
RT: 9.17 min Scan# 2310

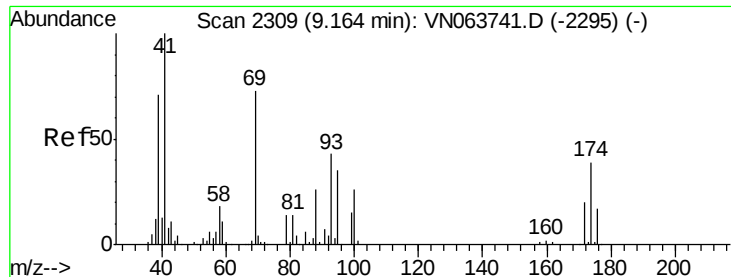
Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	41	Resp:	72639
Ion Ratio	Lower	Upper	
41	100		
69	71.8	60.9	91.3
39	66.7	57.5	86.3





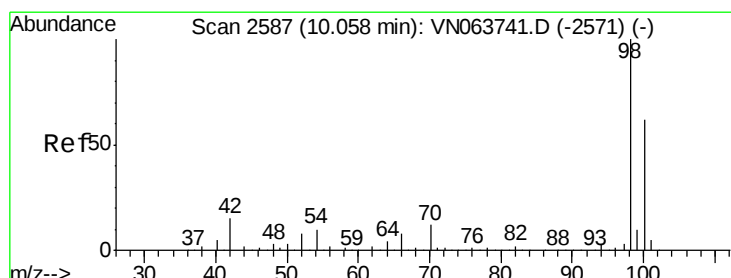
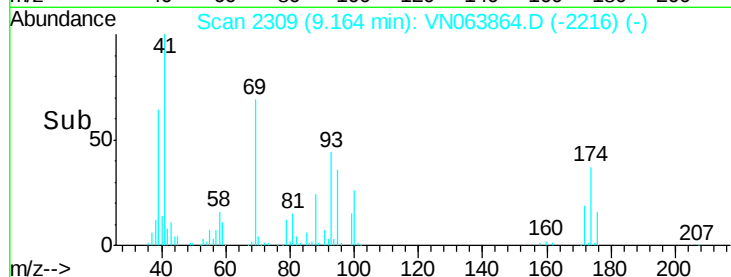
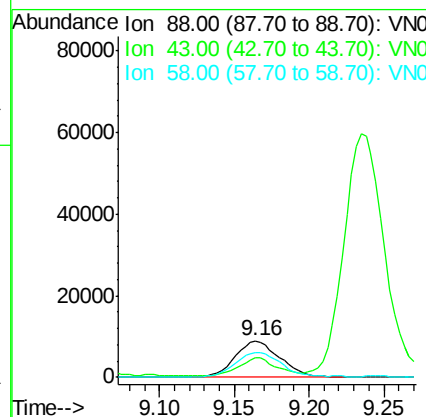
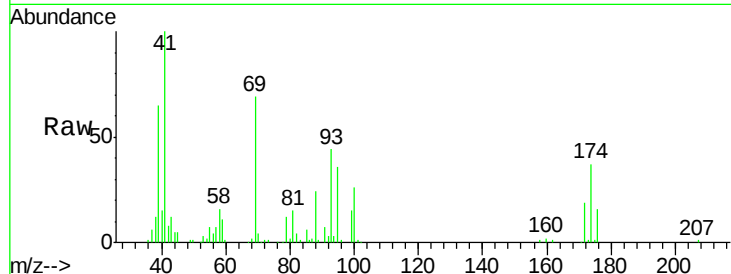
#49
1,4-Dioxane
Concen: 349.898 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	18678		
43	42.2		33.1	49.7
58	70.8		58.9	88.3

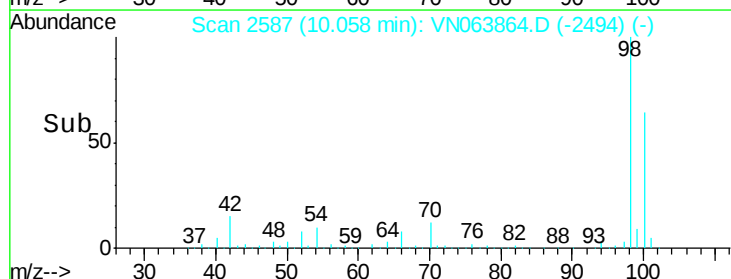
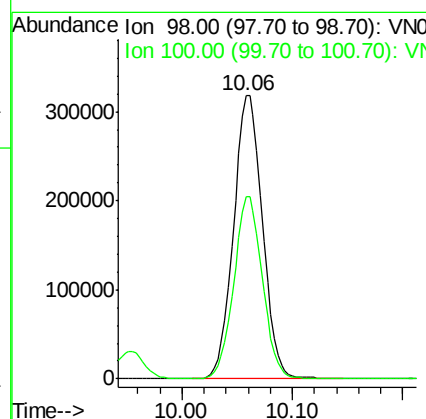
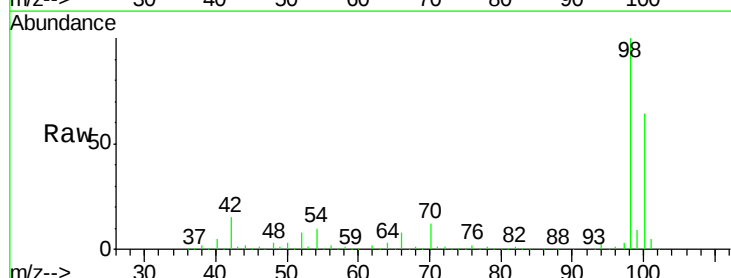
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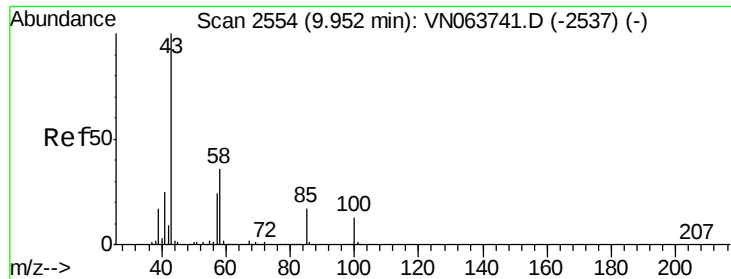
MMDadoda
10/6/2020 12:56:33 PM



#50
Toluene-d8
Concen: 48.015 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	578341		
100	63.4		49.8	74.6





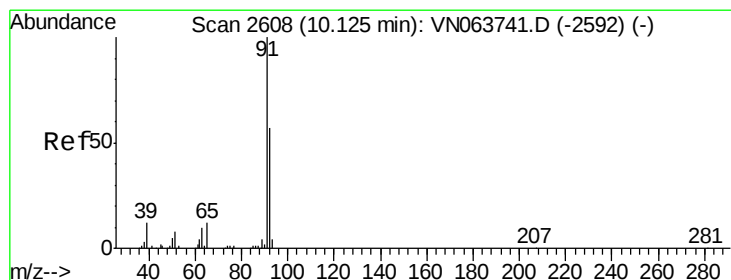
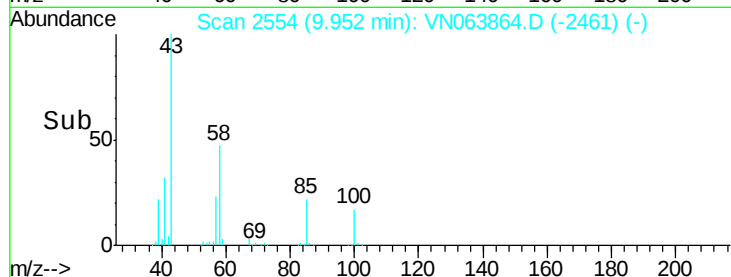
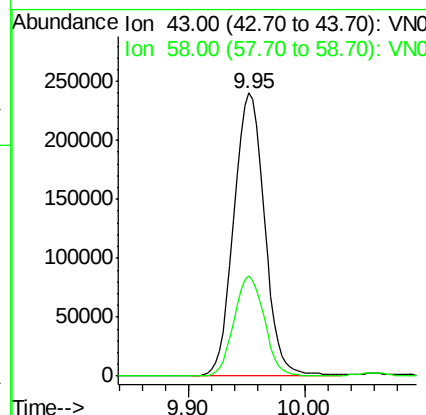
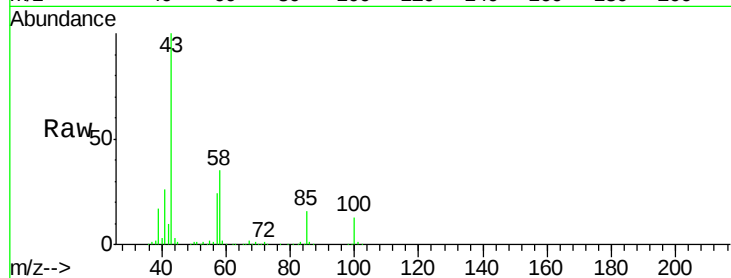
#51
4-Methyl-2-Pentanone
Concen: 98.133 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampled :
VN1005WBS01

Tot Ion	43	Resp	437810
Ion Ratio	43	100	
Lower	58	35.0	28.4
Upper			42.6

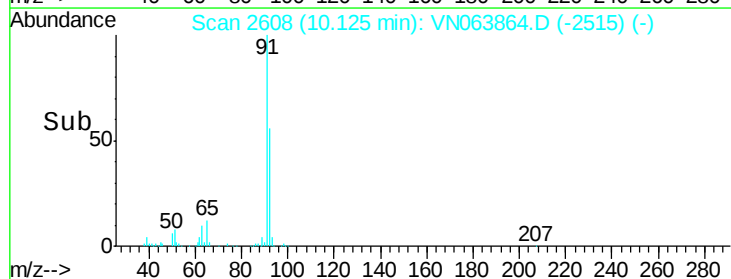
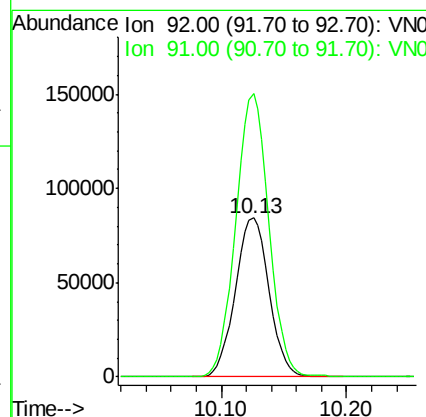
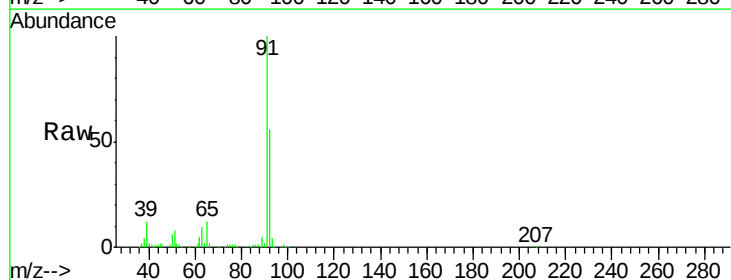
Manual Integrations
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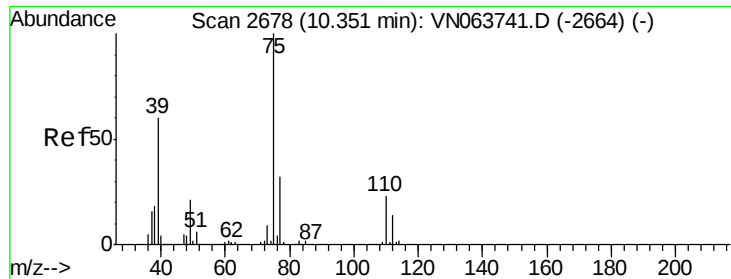
MMDadoda
10/6/2020 12:56:33 PM



#52
Toluene
Concen: 19.238 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	92	Resp	157672
Ion Ratio	92	100	
Lower	91	174.9	140.6
Upper			210.8





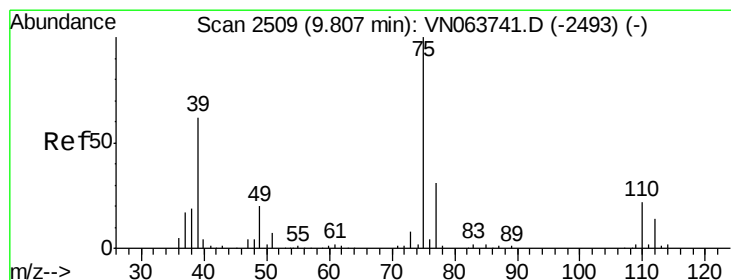
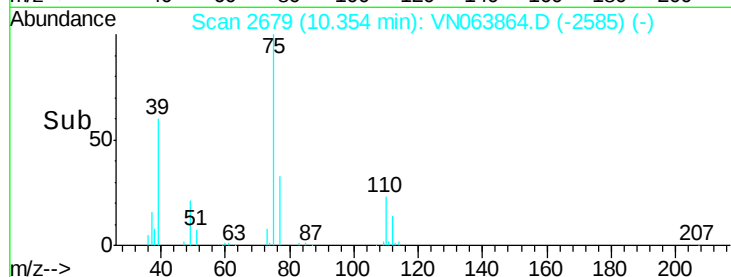
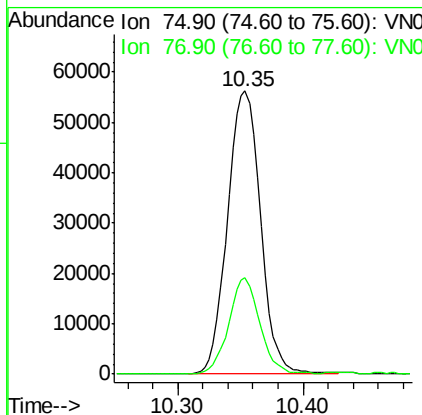
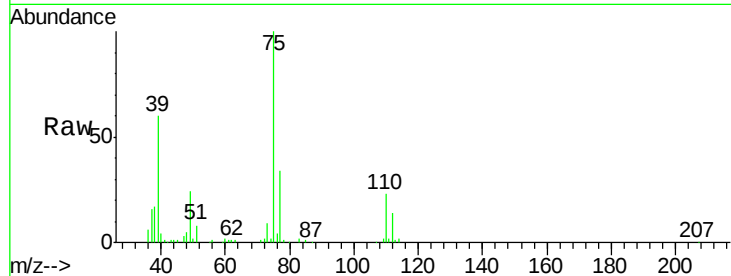
#53
t-1,3-Dichloropropene
Concen: 18.933 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampled :
VN1005WBS01

Tot Ion: 75 Resp: 103254
Ion Ratio Lower Upper
75 100
77 33.9 25.3 37.9

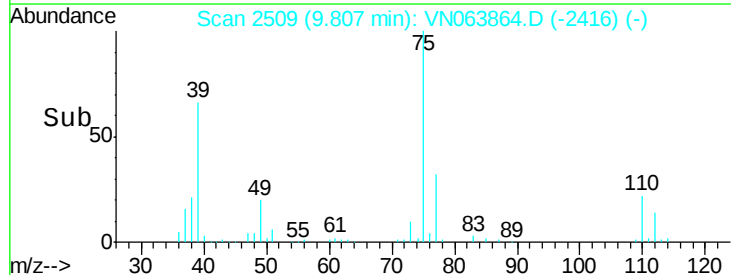
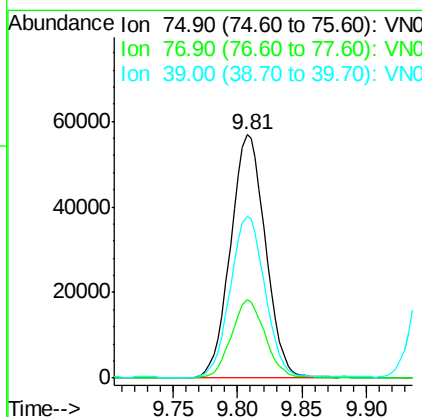
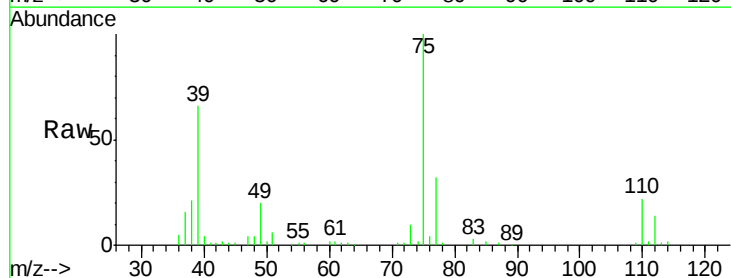
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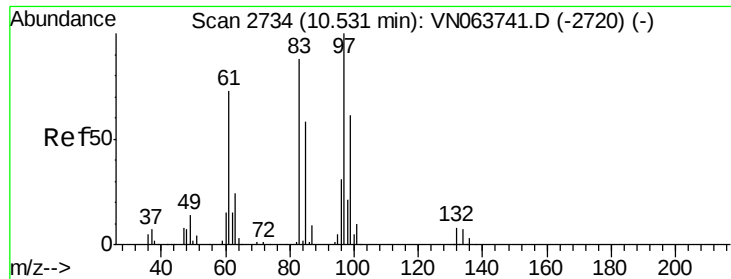
MMDadoda
10/6/2020 12:56:33 PM



#54
cis-1,3-Dichloropropene
Concen: 18.806 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion: 75 Resp: 107261
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8
39 66.0 49.7 74.5





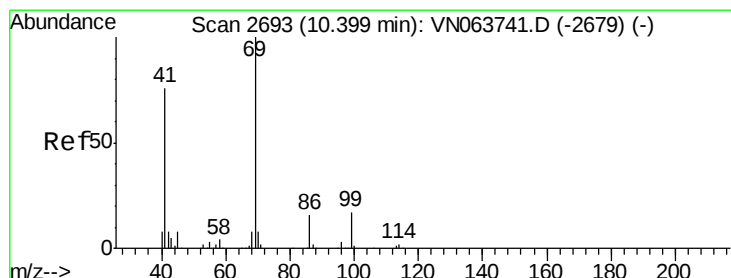
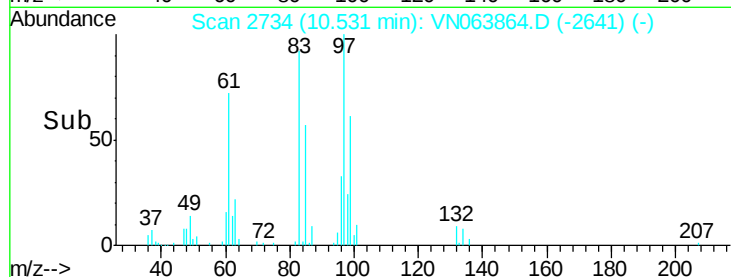
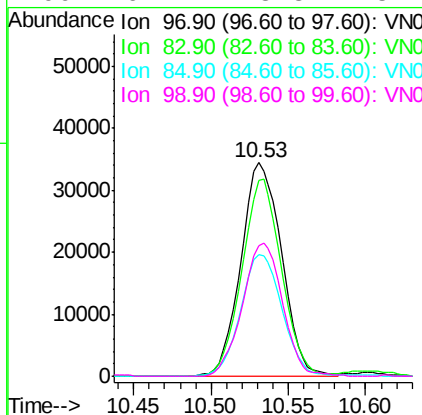
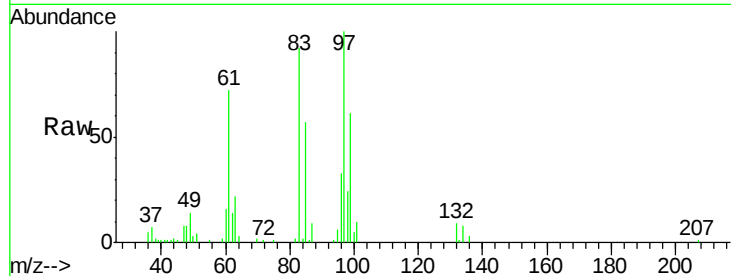
#55
 1,1,2-Trichloroethane
 Concen: 19.201 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion:	97	Resp:	63109
Ion	Ratio	Lower	Upper
97	100		
83	91.6	70.7	106.1
85	57.2	46.1	69.1
99	61.2	48.8	73.2

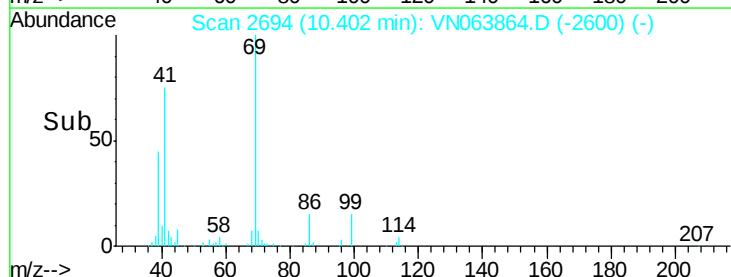
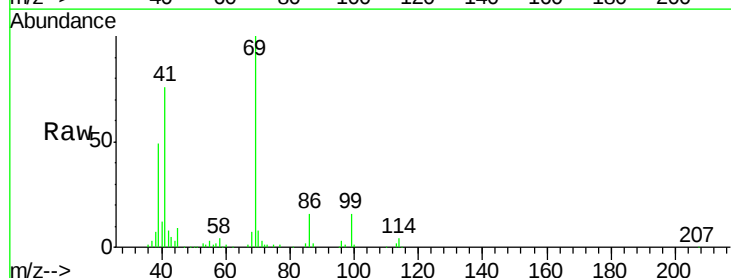
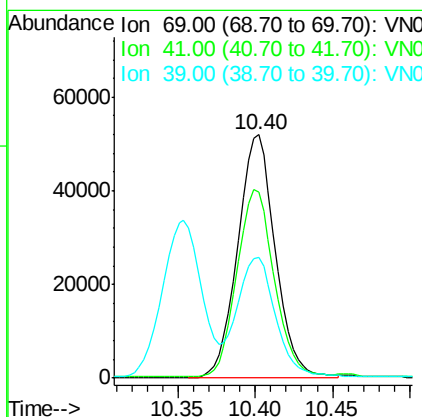
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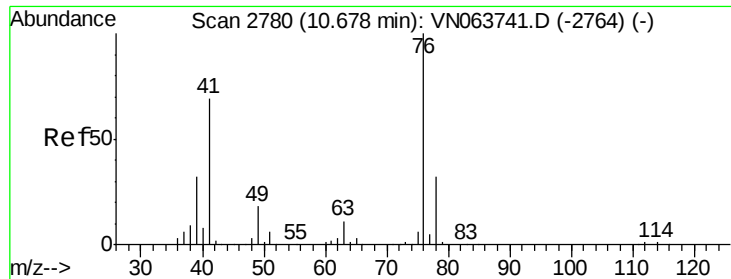
MMDadoda
 10/6/2020 12:56:33 PM



#56
 Ethyl methacrylate
 Concen: 18.915 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion:	69	Resp:	88122
Ion	Ratio	Lower	Upper
69	100		
41	75.6	61.1	91.7
39	50.4	42.2	63.4





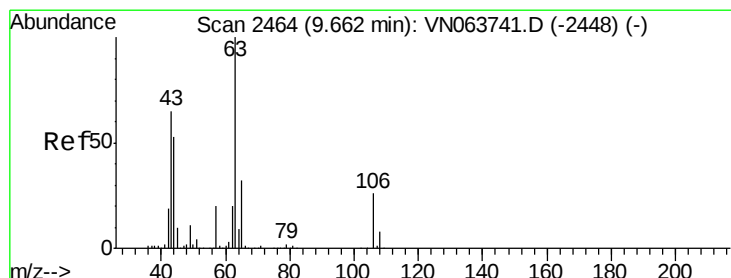
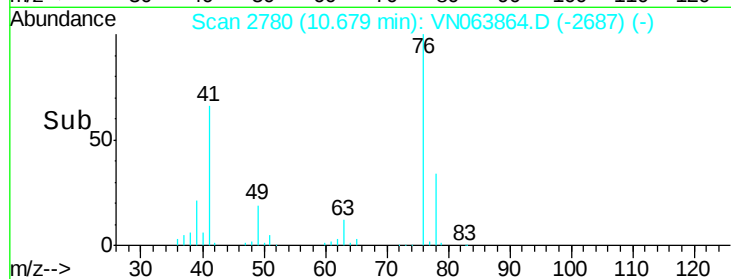
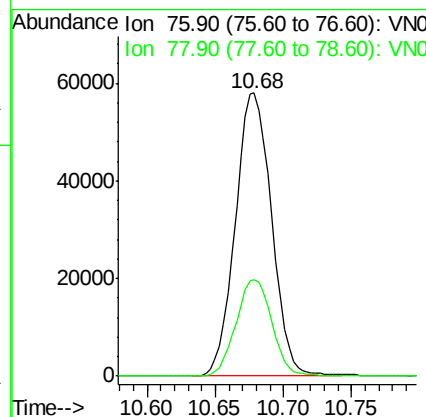
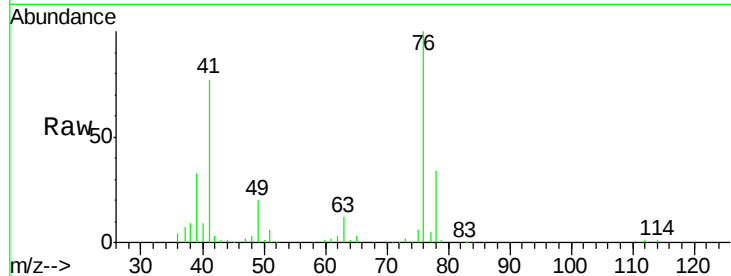
#57
 1,3-Dichloropropane
 Concen: 19.286 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion: 76 Resp: 107244
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.2 37.8

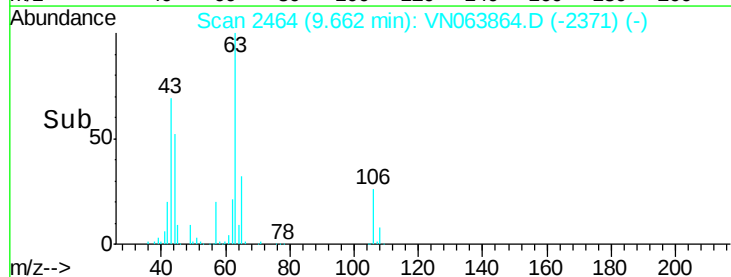
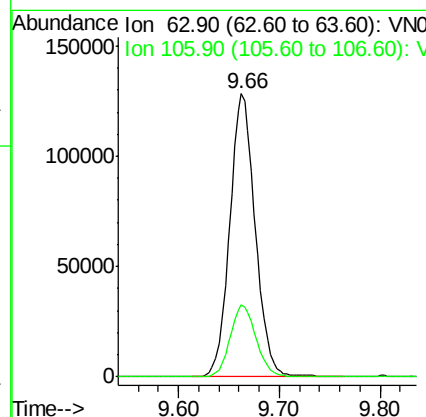
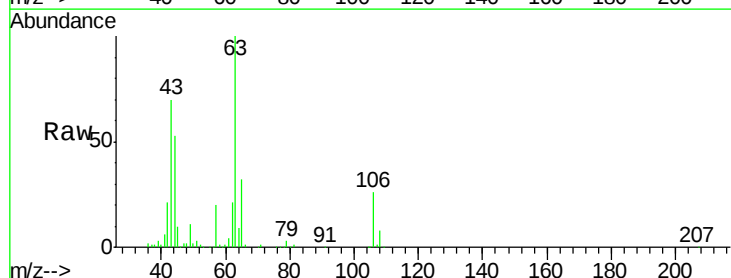
Manual Integrations
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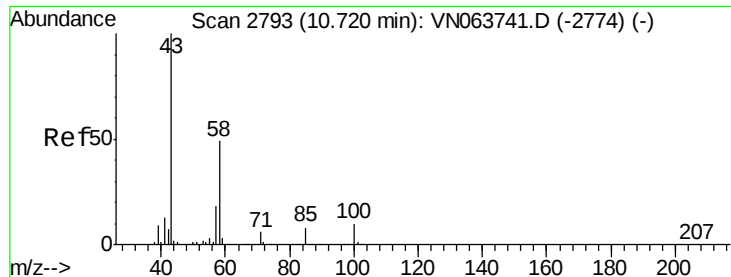
MMDadoda
 10/6/2020 12:56:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.682 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion: 63 Resp: 225989
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





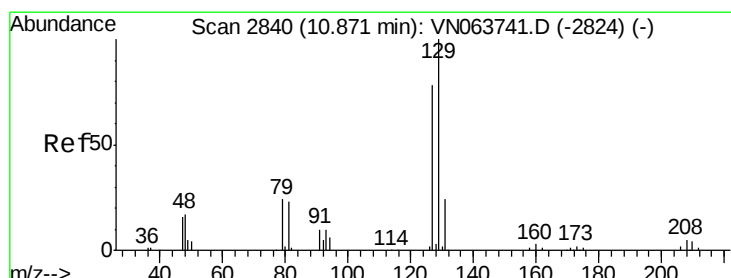
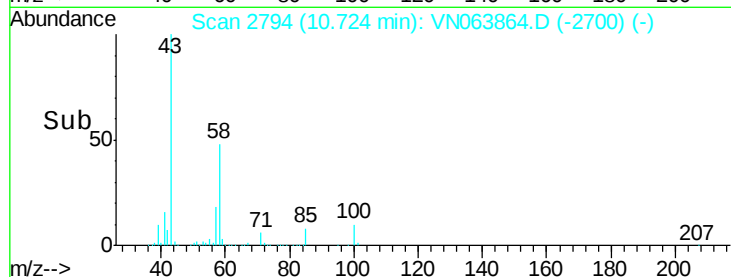
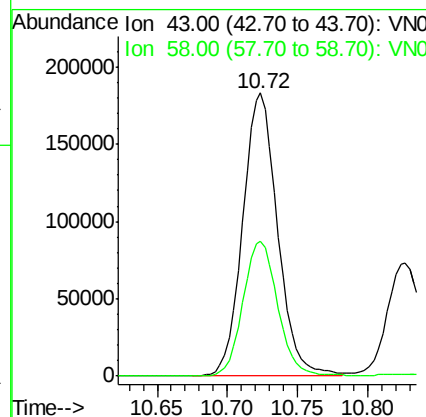
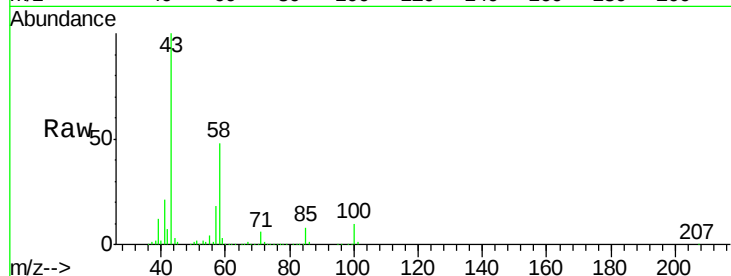
#59
2-Hexanone
Concen: 95.095 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion: 43 Resp: 315163
Ion Ratio Lower Upper
43 100
58 47.9 24.6 73.8

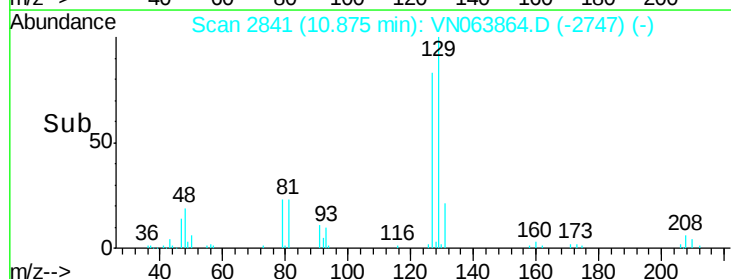
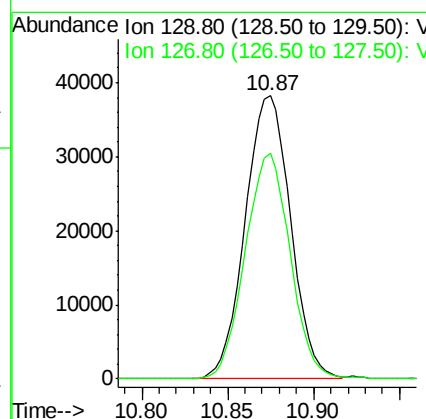
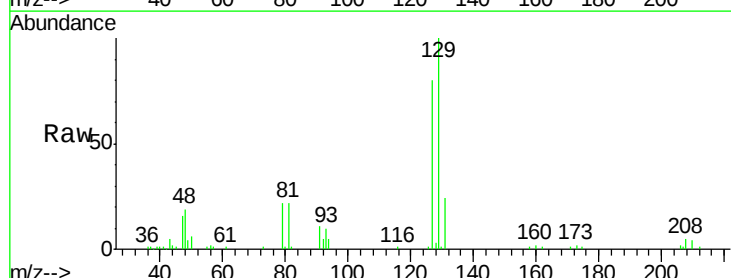
Manual Integrations
APPROVED

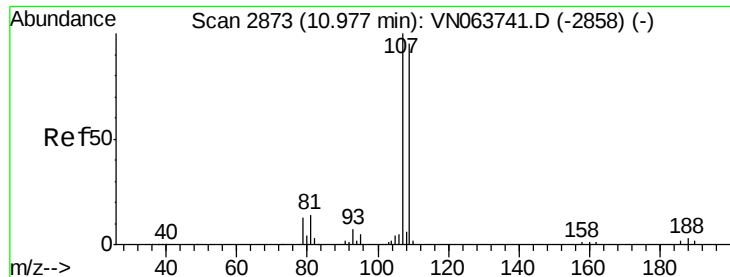
MMDadoda
10/6/2020 12:56:33 PM



#60
Dibromochloromethane
Concen: 18.341 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion: 129 Resp: 70205
Ion Ratio Lower Upper
129 100
127 78.9 38.9 116.7





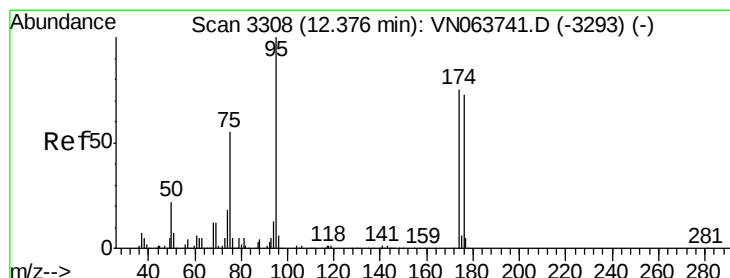
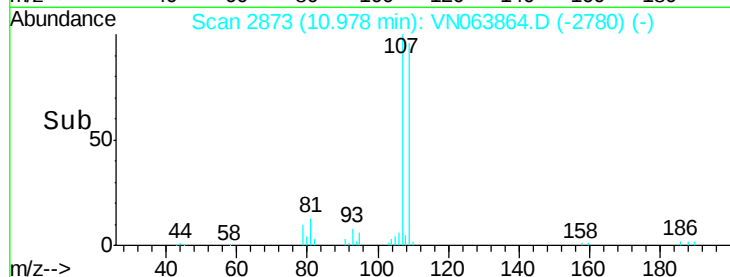
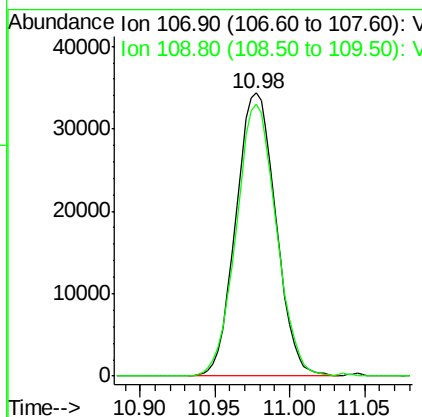
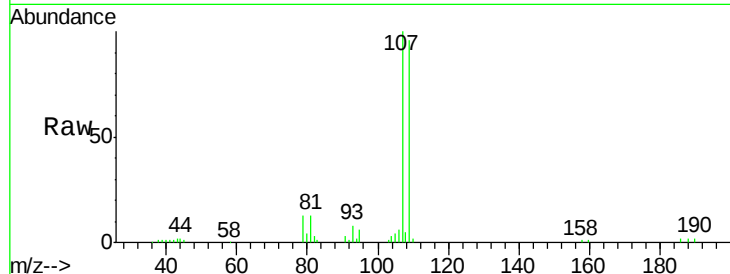
#61
 1,2-Dibromoethane
 Concen: 18.998 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.8	112.2

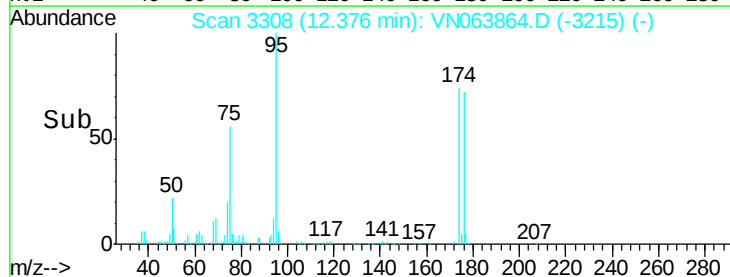
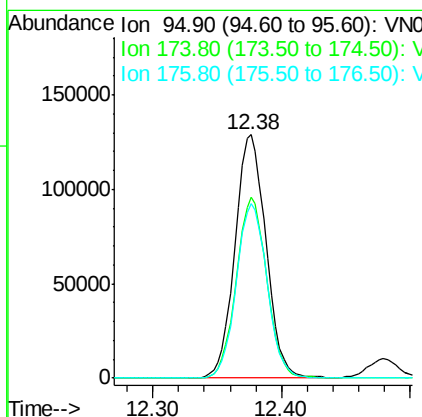
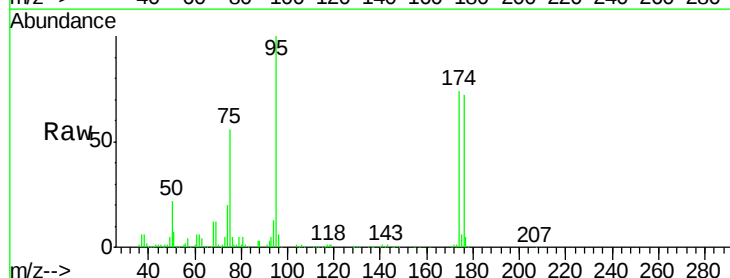
Manual Integrations
 APPROVED

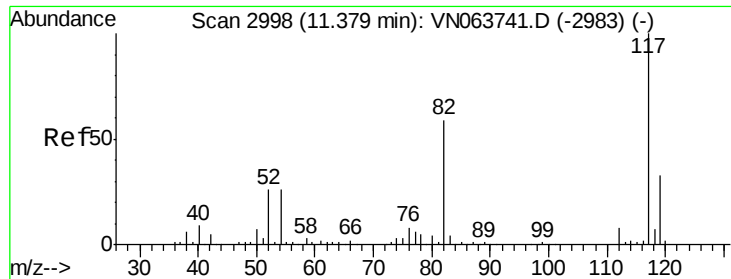
MMDadoda
 10/6/2020 12:56:33 PM



#62
 4-Bromofluorobenzene
 Concen: 47.516 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	150.6
176	71.1	0.0	145.4





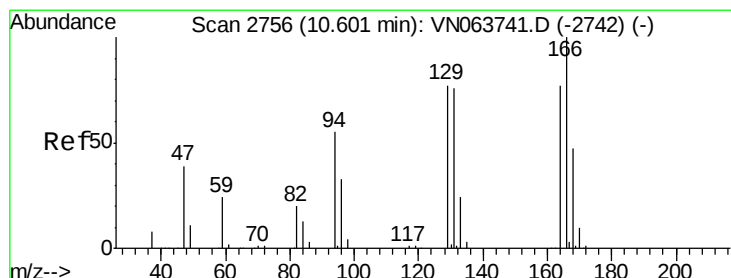
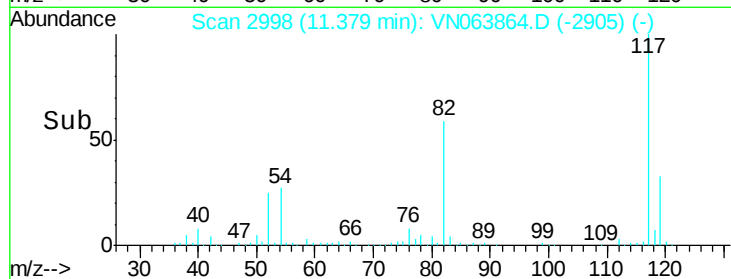
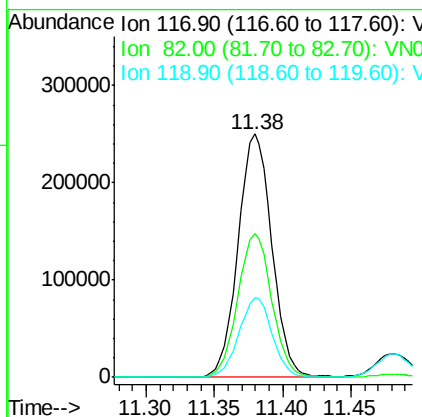
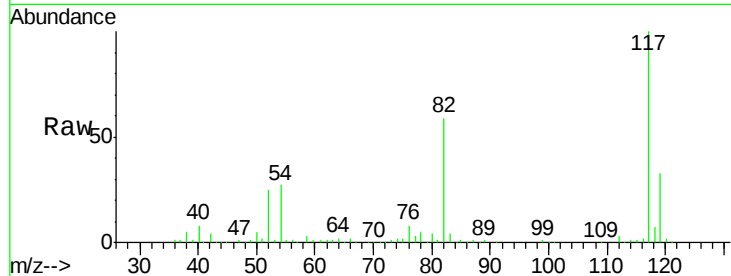
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.4	71.2
119	32.5	26.4	39.6

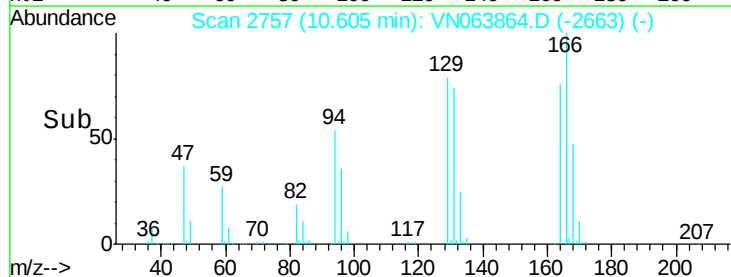
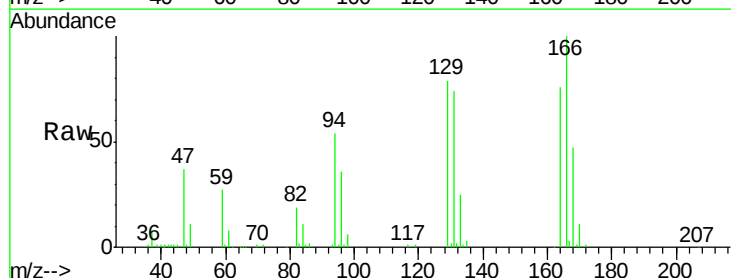
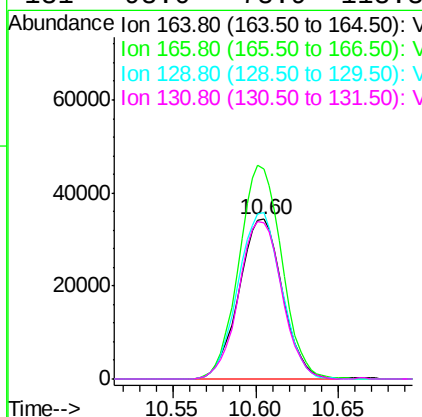
Manual Integrations
APPROVED

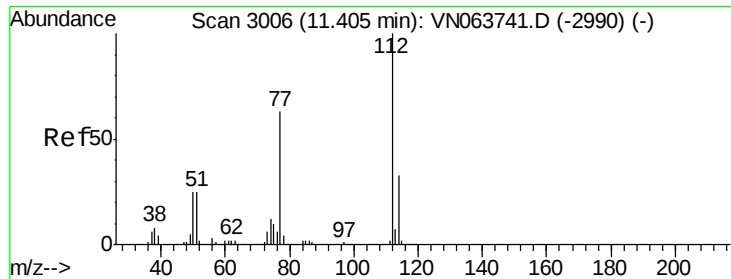
MMDadoda
10/6/2020 12:56:33 PM



#64
Tetrachloroethene
Concen: 18.859 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.8	103.9	155.9
129	104.3	80.3	120.5
131	98.0	78.9	118.3





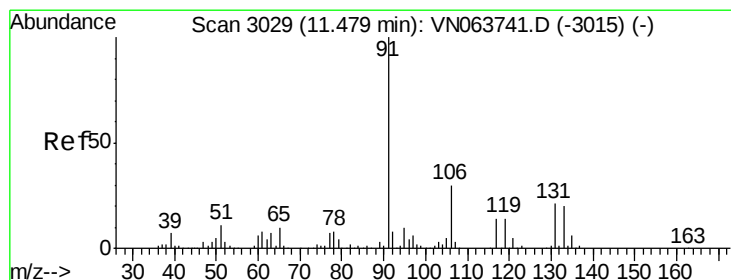
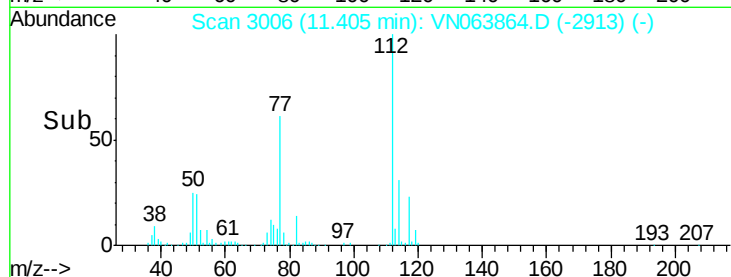
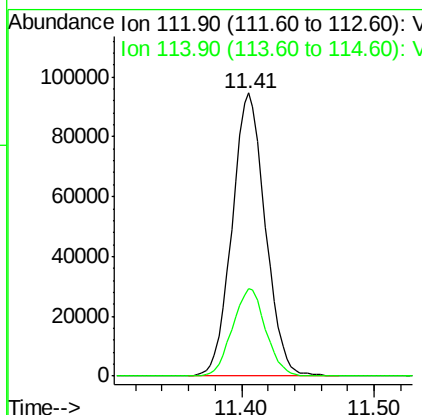
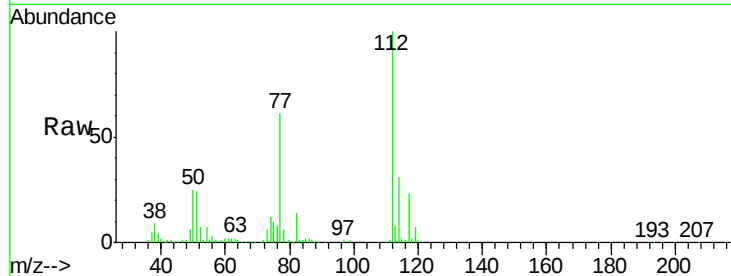
#65
Chlorobenzene
Concen: 18.584 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampled :
VN1005WBS01

Tot Ion:112 Resp: 164354
Ion Ratio Lower Upper
112 100
114 30.8 26.1 39.1

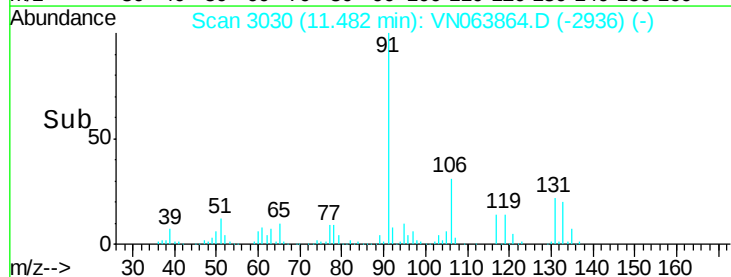
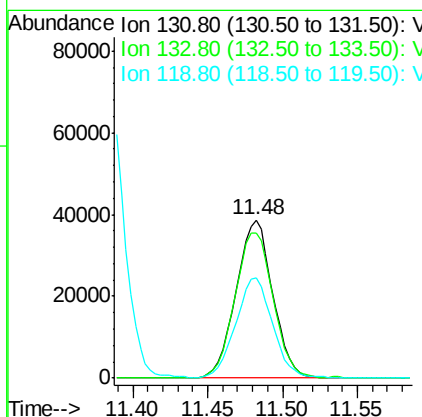
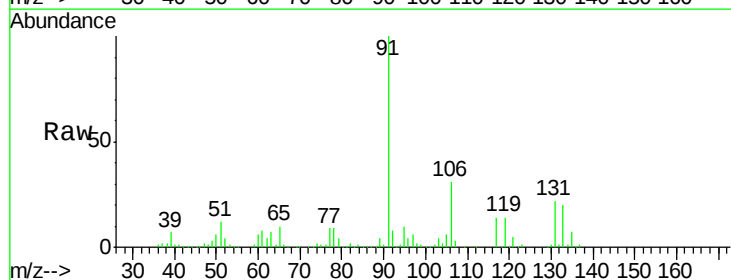
Manual Integrations
APPROVED

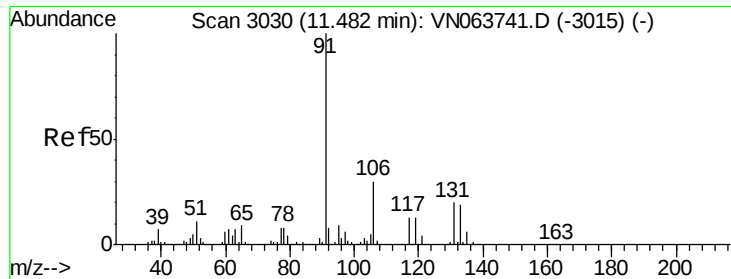
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.400 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion:131 Resp: 65775
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 63.9 32.6 97.7





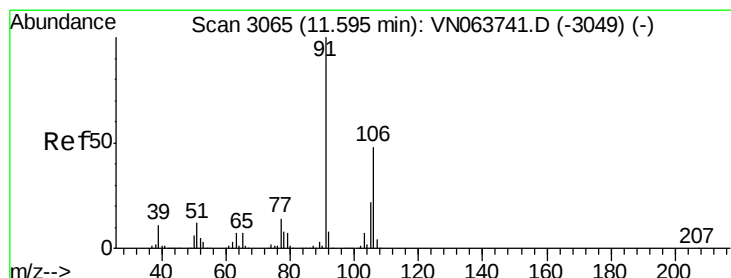
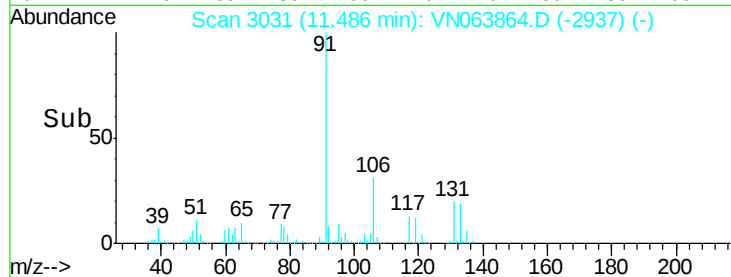
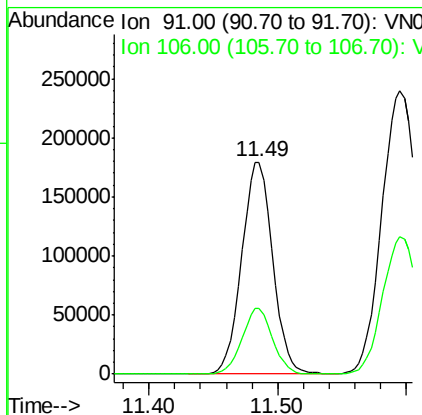
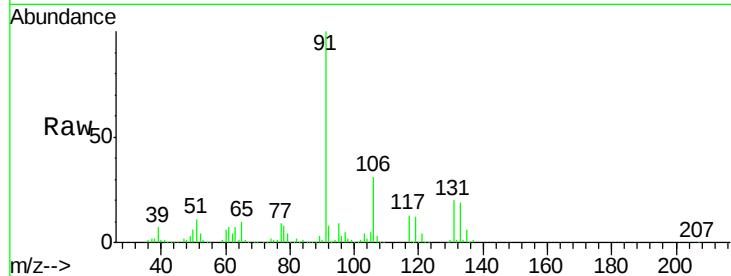
#67
Ethyl Benzene
Concen: 18.671 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion: 91 Resp: 300463
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2

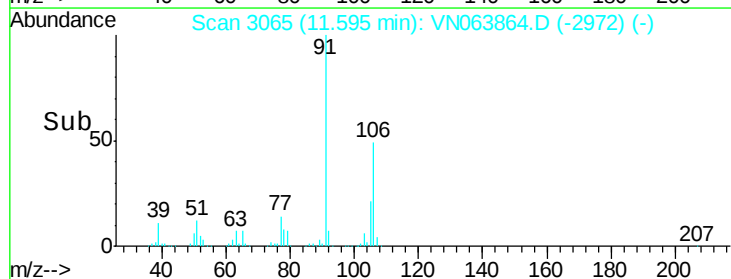
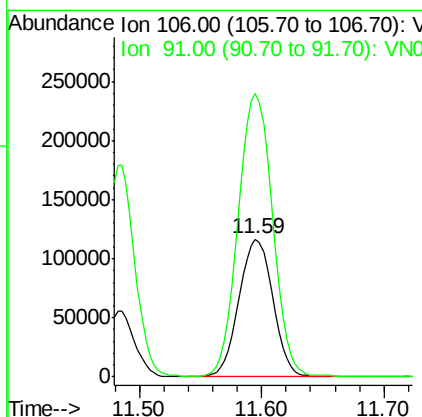
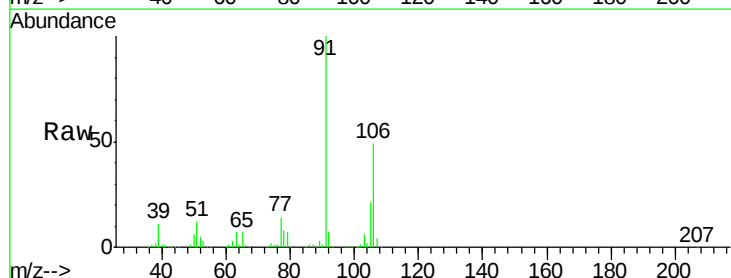
Manual Integrations
APPROVED

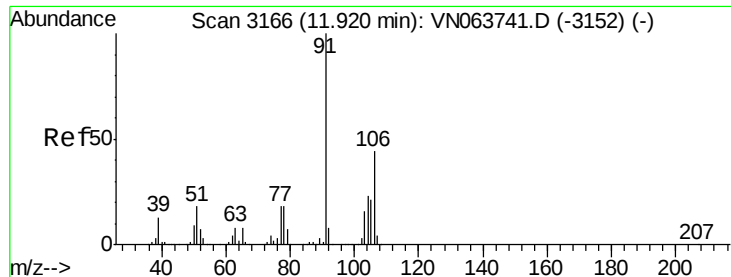
MMDadoda
10/6/2020 12:56:33 PM



#68
m/p-Xylenes
Concen: 37.222 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion: 106 Resp: 223247
Ion Ratio Lower Upper
106 100
91 209.3 168.0 252.0





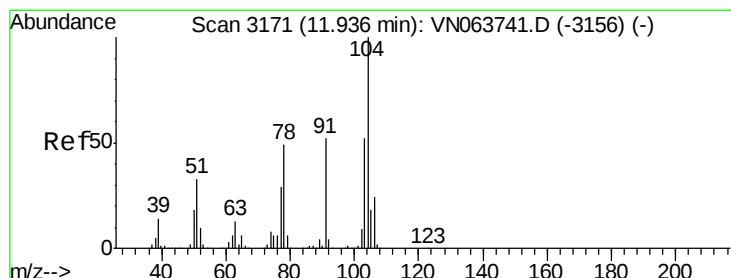
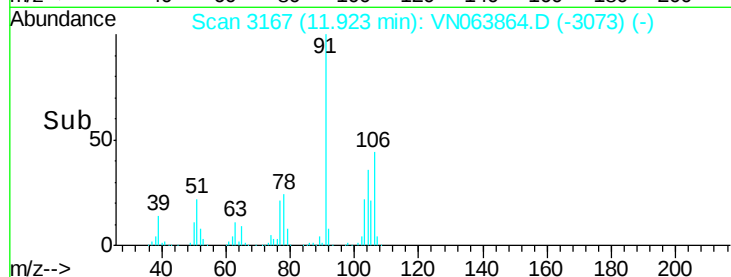
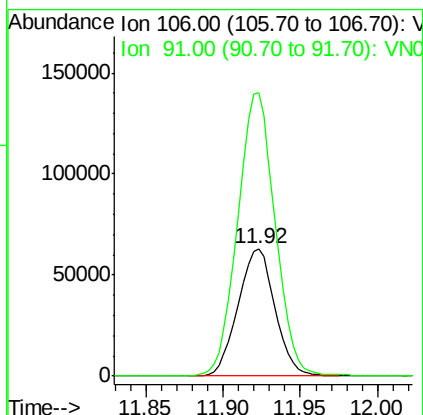
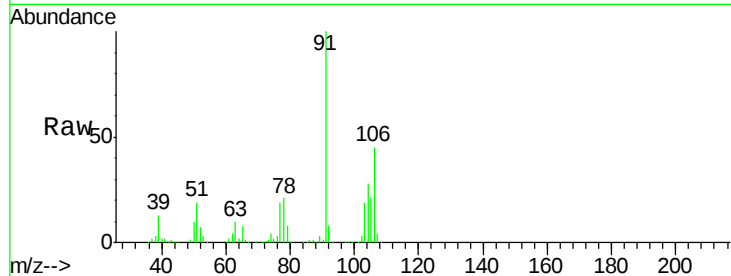
#69
o-Xylene
Concen: 18.704 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	104852		
91	91	225.2	112.7	338.0	

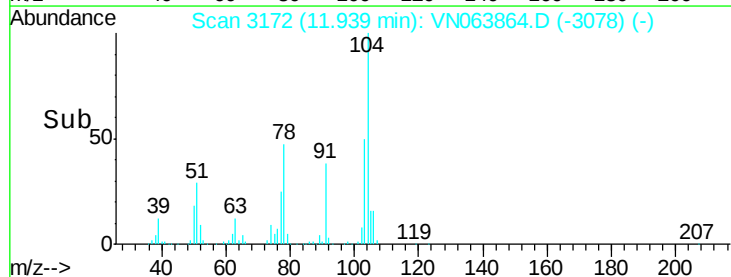
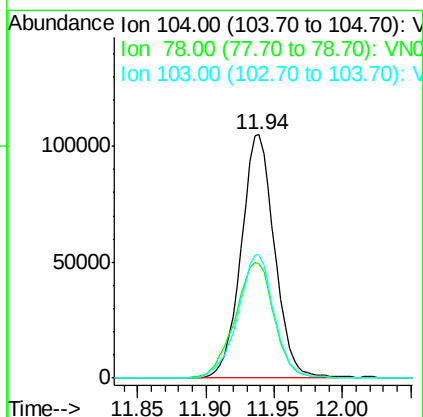
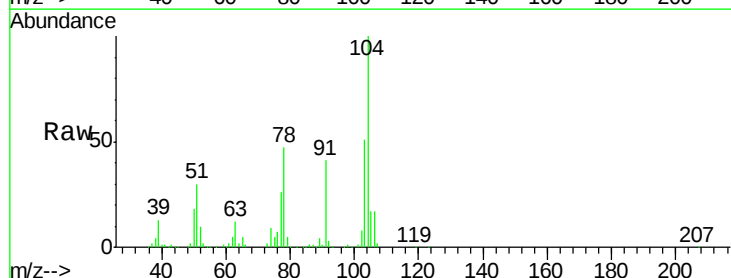
Manual Integrations
APPROVED

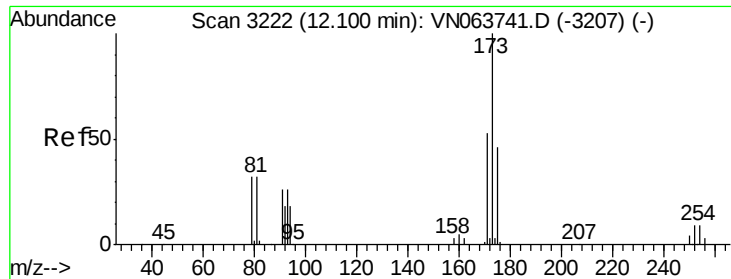
MMDadoda
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#70
Styrene
Concen: 18.745 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	178376		
78	78	55.6	44.1	66.1	
103	103	55.1	44.3	66.5	





#71

Bromoform

Concen: 18.083 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

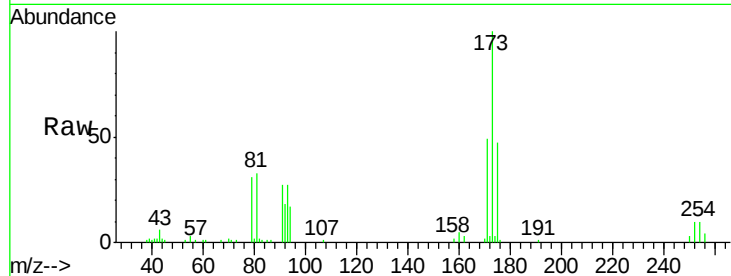
ClientSampleId :

VN1005WBS01

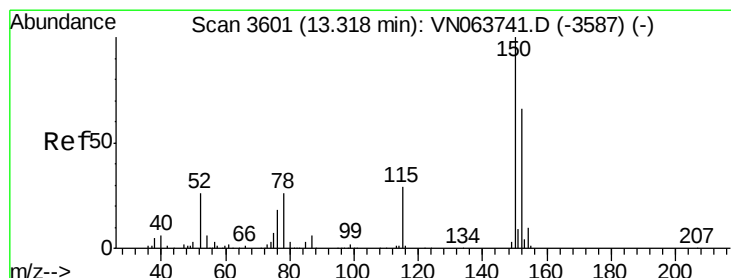
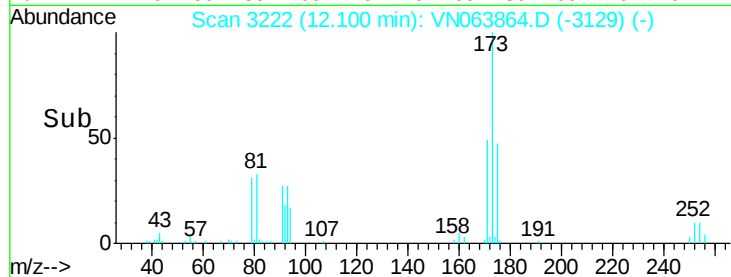
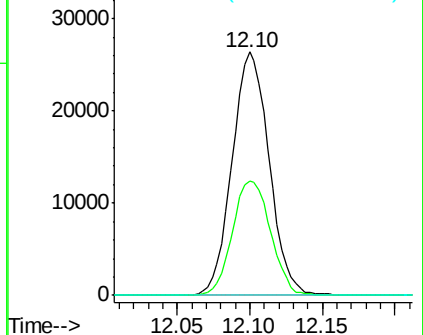
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.5	70.5
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

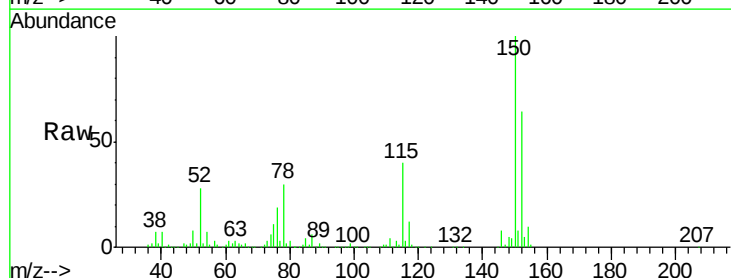
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

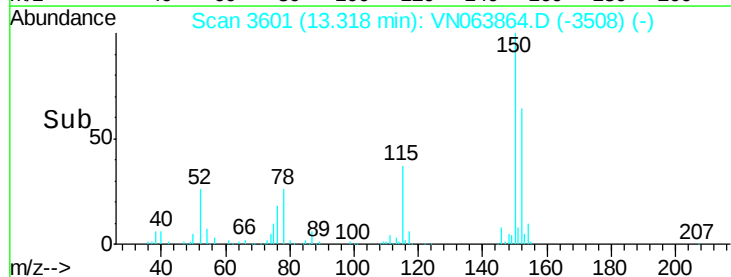
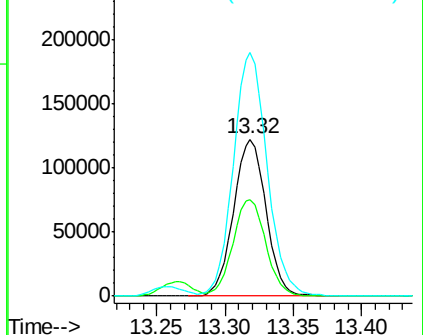
Lab File: VN063864.D

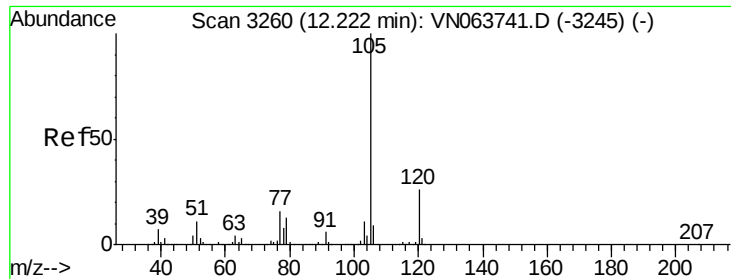
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.3	93.8
150	160.9	0.0	341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.936 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 105 Resp: 279023

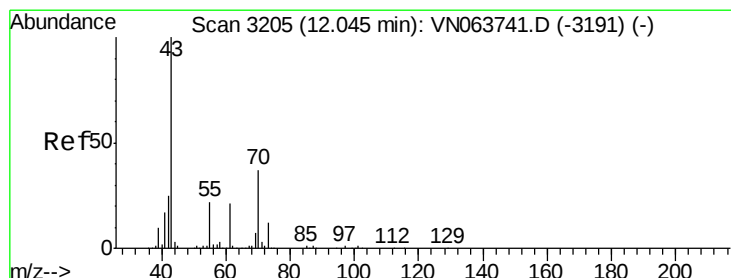
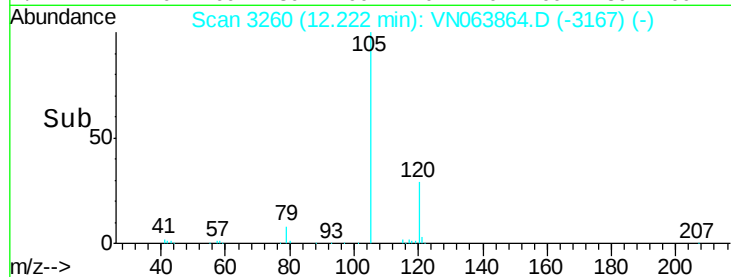
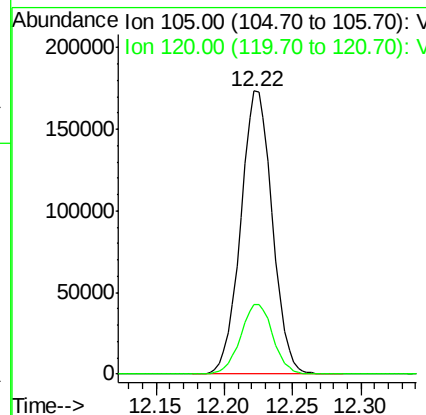
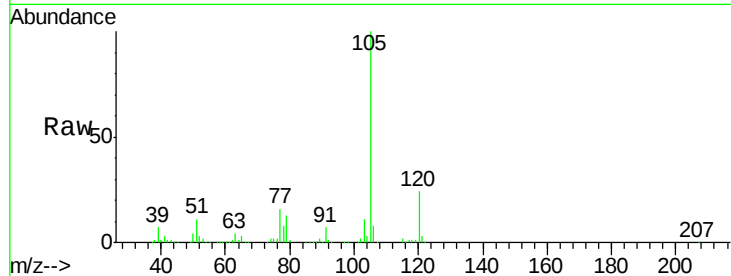
Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.241 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion: 43 Resp: 122004

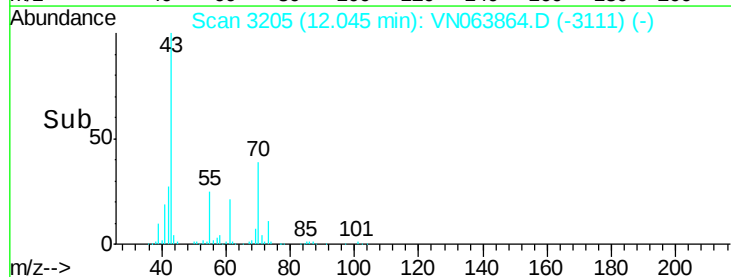
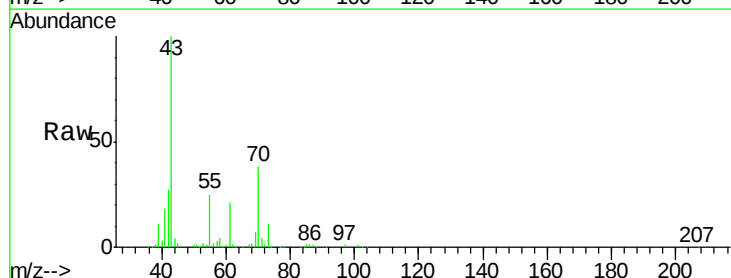
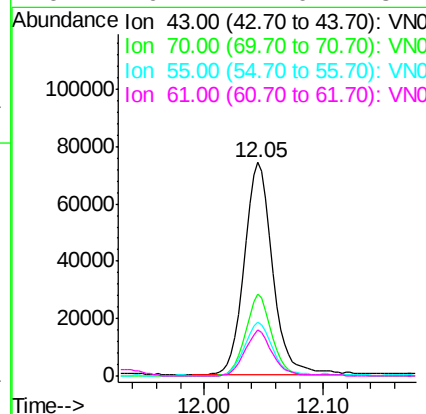
Ion Ratio Lower Upper

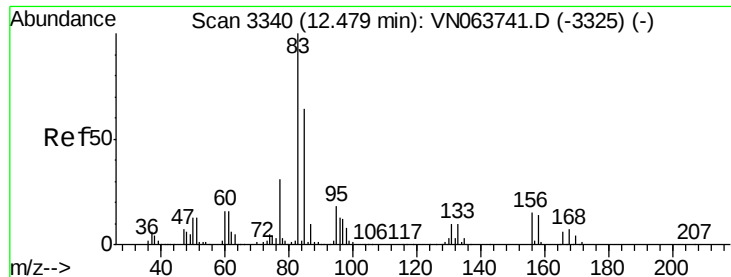
43 100

70 36.0 29.8 44.8

55 25.4 17.9 26.9

61 20.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.204 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion: 83 Resp: 86531
Ion Ratio Lower Upper

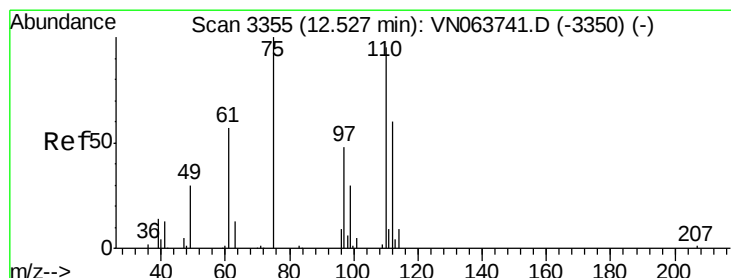
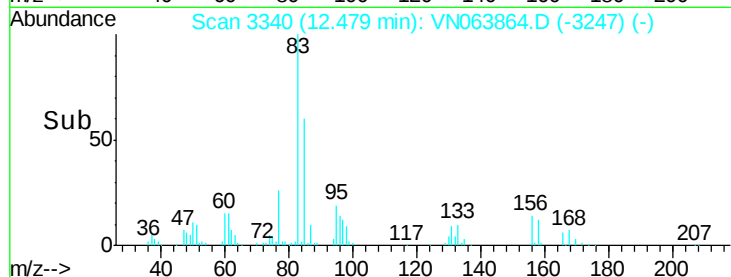
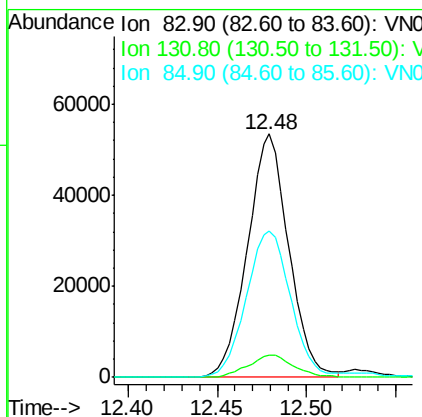
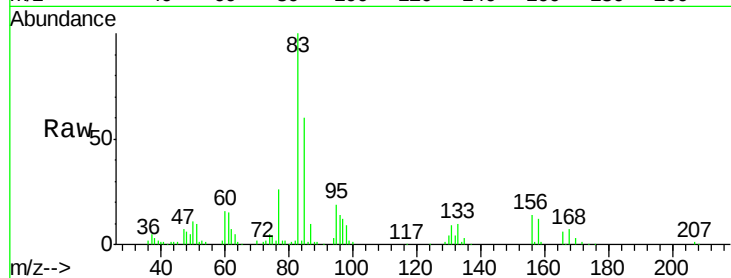
83 100

131 10.1 5.3 15.8

85 64.2 31.3 93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.015 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

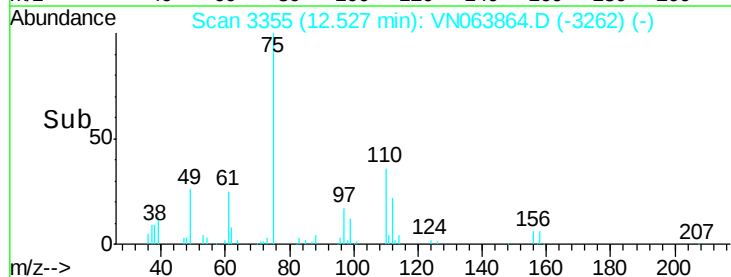
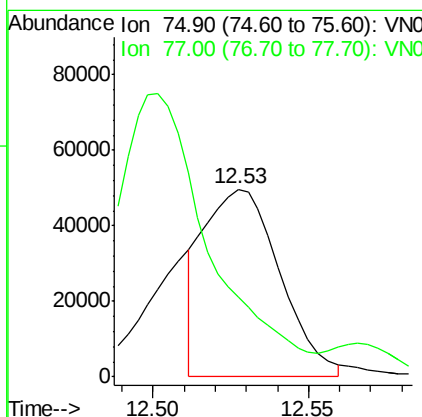
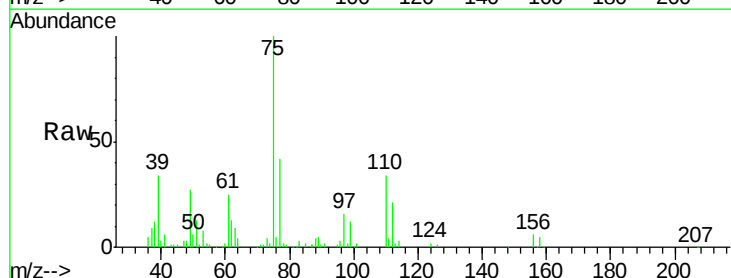
Lab File: VN063864.D

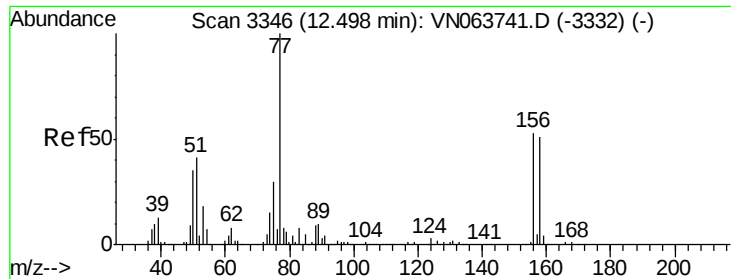
Acq: 5 Oct 2020 12:30

Tgt Ion: 75 Resp: 84678
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.049 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion:156 Resp: 72490

Ion Ratio Lower Upper

156 100

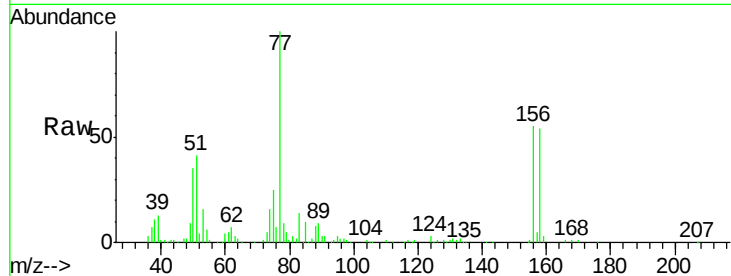
77 221.7 110.9 332.7

158 95.1 47.7 143.1

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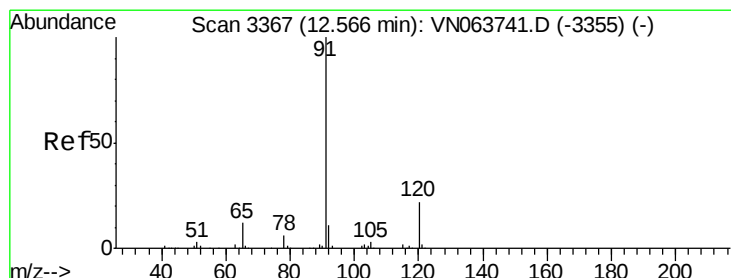
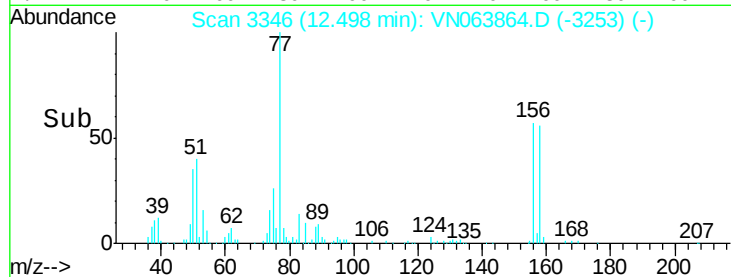
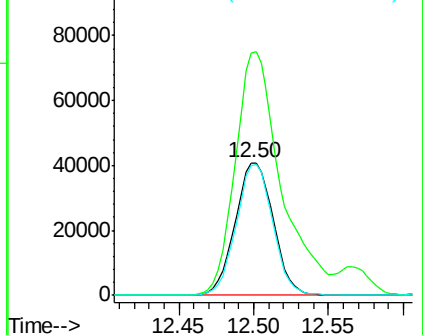
10/6/2020 12:56:33 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.556 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063864.D

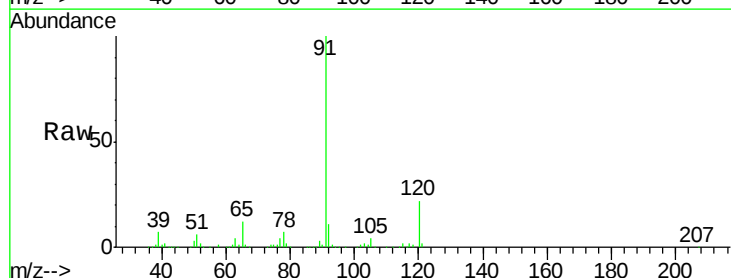
Acq: 5 Oct 2020 12:30

Tgt Ion: 91 Resp: 318211

Ion Ratio Lower Upper

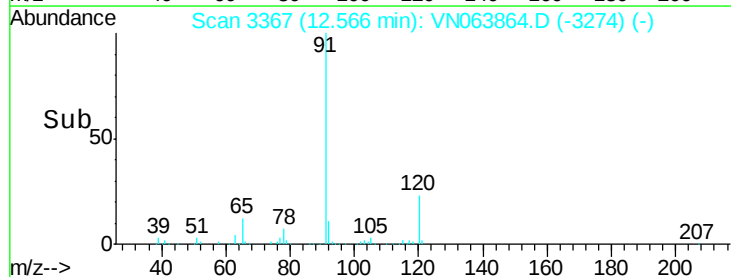
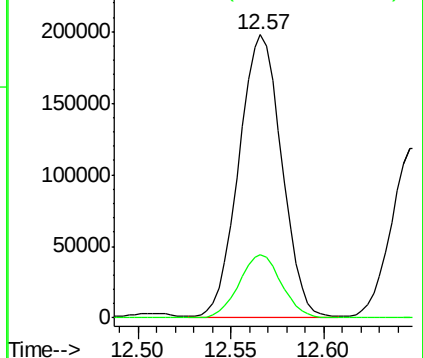
91 100

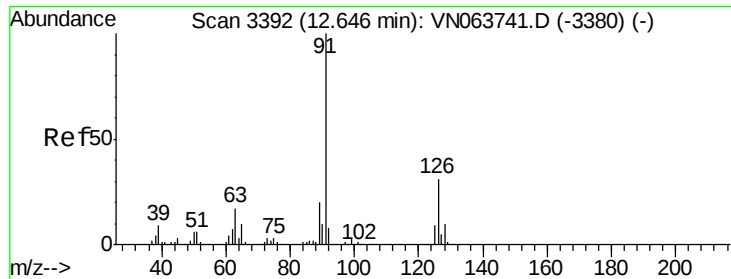
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.831 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

VN1005WBS01

Tot Ion: 91 Resp: 198601

Ion Ratio Lower Upper

91 100

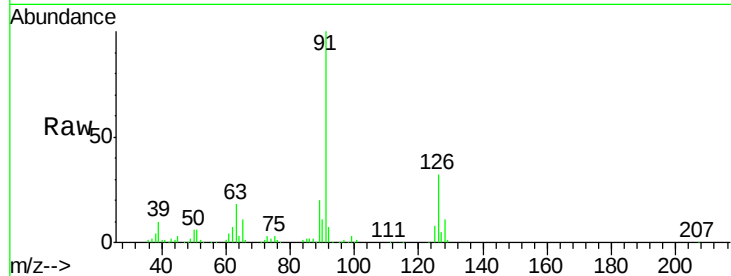
126 32.0 15.9 47.7

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Abundance Ion 91.00 (90.70 to 91.70): VN063864.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN063864.D (-3393) (-)

150000

100000

50000

0

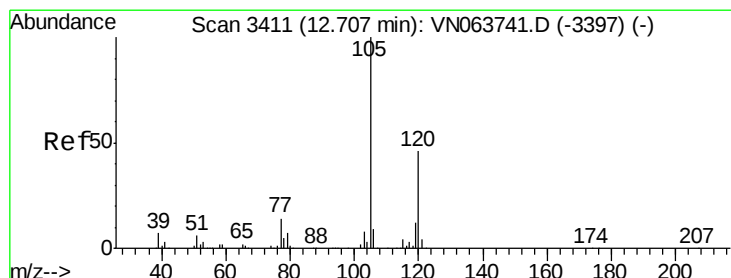
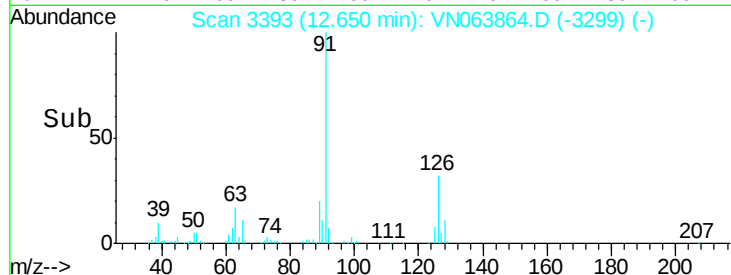
12.65

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.202 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063864.D

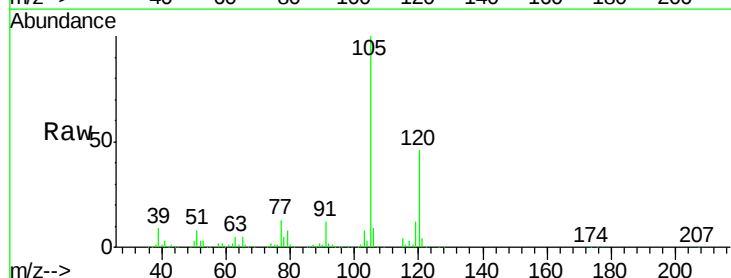
Acq: 5 Oct 2020 12:30

Tgt Ion: 105 Resp: 237372

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063864.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN063864.D (-3411) (-)

150000

100000

50000

0

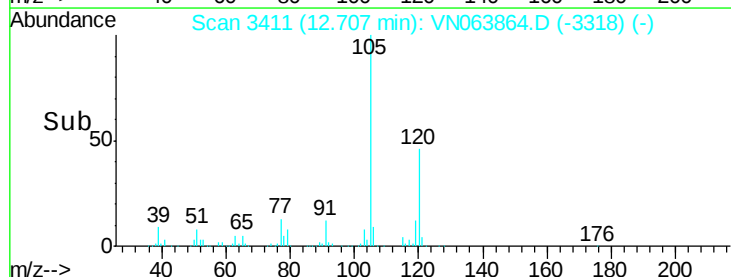
12.71

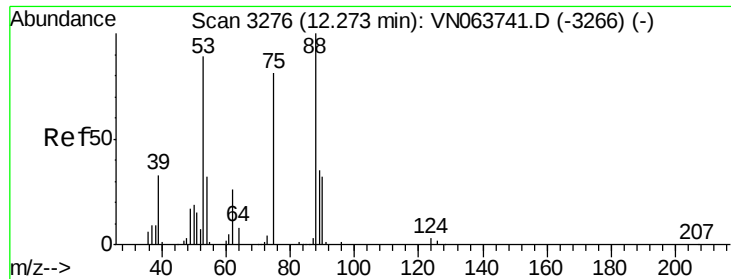
12.60

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.067 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

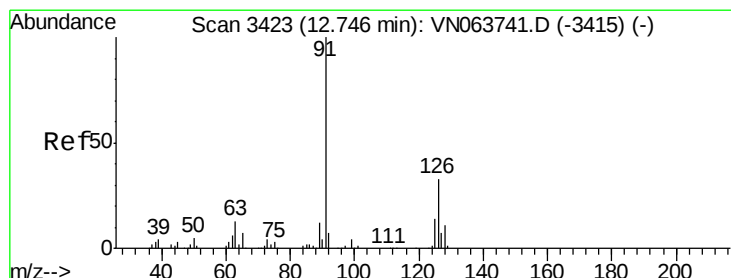
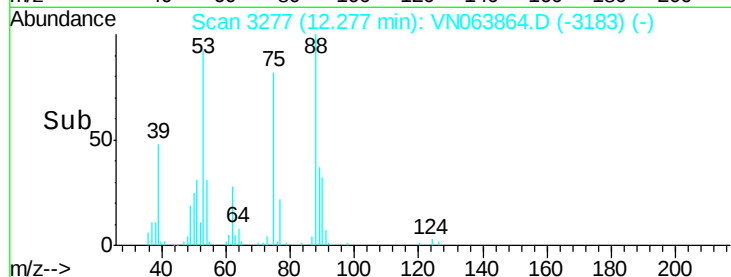
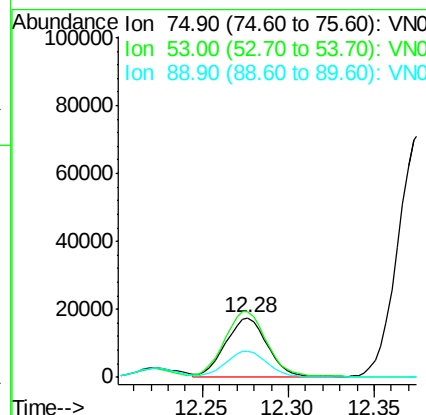
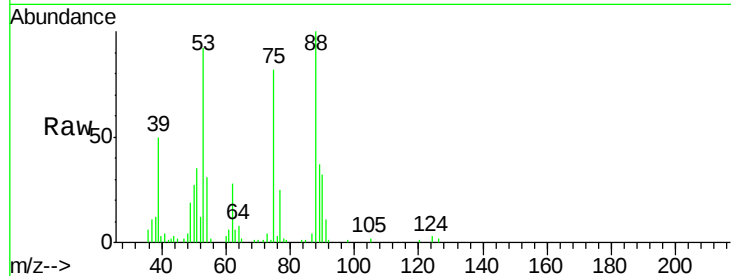
ClientSampleId :

VN1005WBS01

Tot Ion:	75	Resp:	29482
Ion Ratio	Lower	Upper	
75	100		
53	115.5	88.2	132.2
89	45.2	36.0	54.0

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#82

4-Chlorotoluene

Concen: 18.979 ug/l

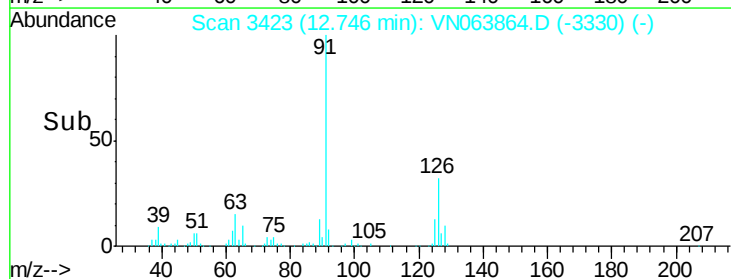
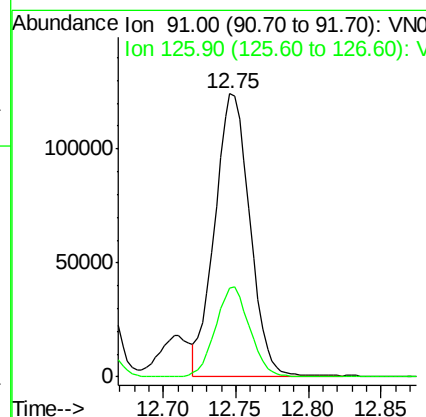
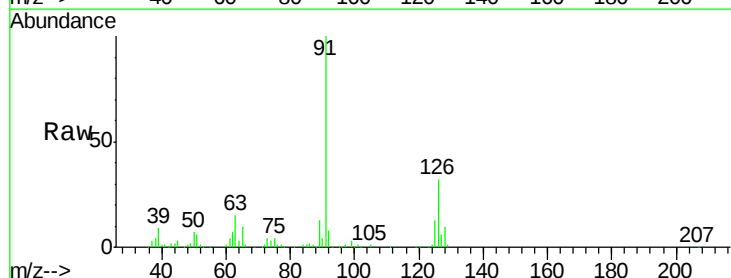
RT: 12.75 min Scan# 3423

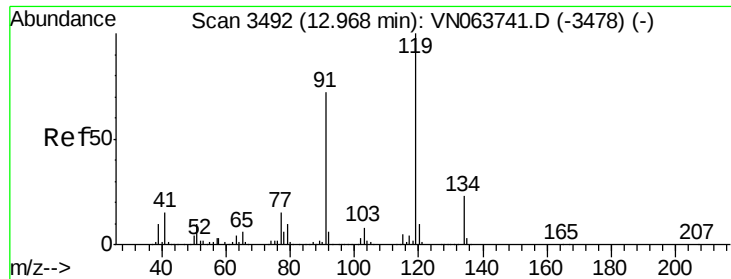
Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	91	Resp:	207791
Ion Ratio	Lower	Upper	
91	100		
126	31.3	15.4	46.2





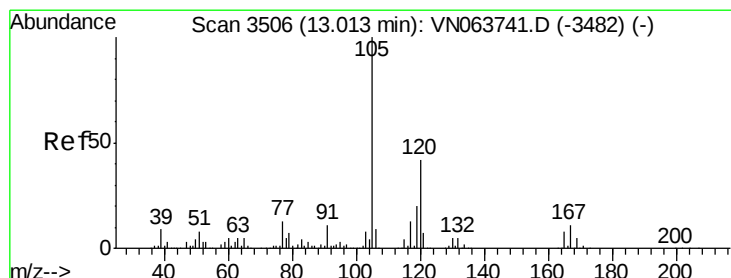
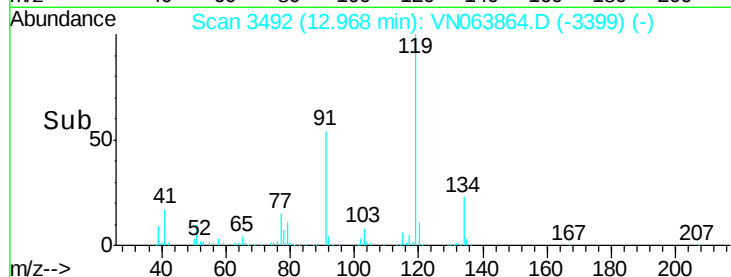
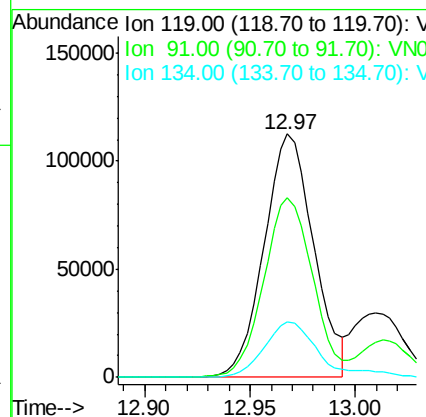
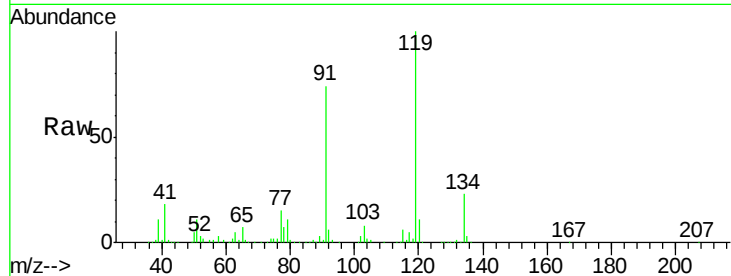
#83
tert-Butylbenzene
Concen: 18.195 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	183980		
91	73.0		35.5	106.5
134	25.4		11.7	35.1

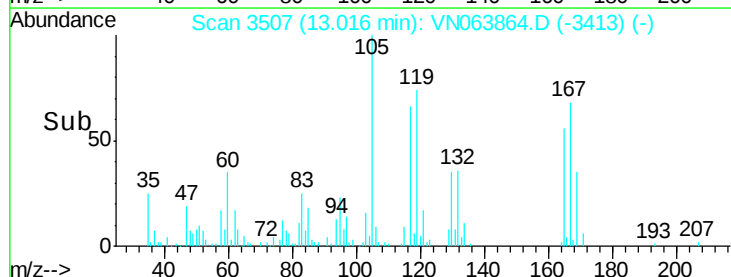
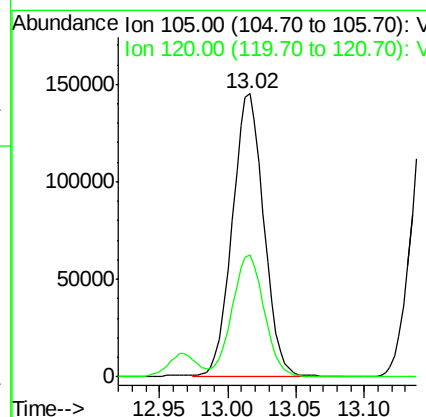
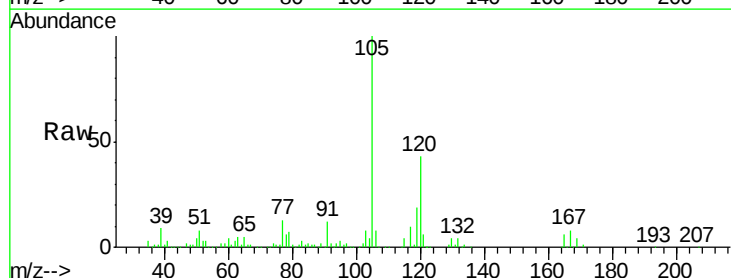
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 18.732 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231201		
120	43.9		20.9	62.7





#85

sec-Butylbenzene

Concen: 18.631 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBS01

Tot Ion:105 Resp: 247450

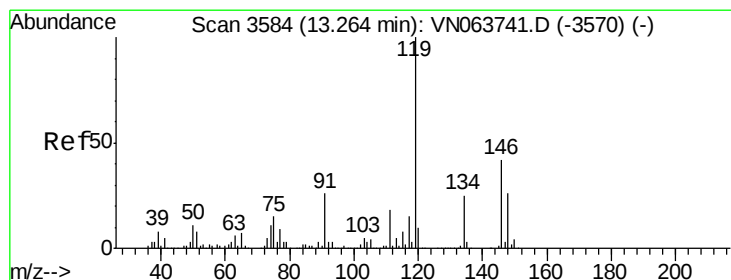
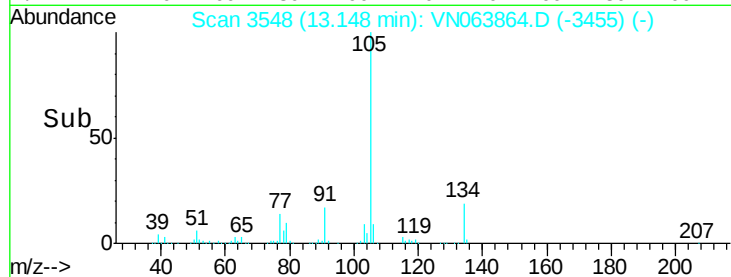
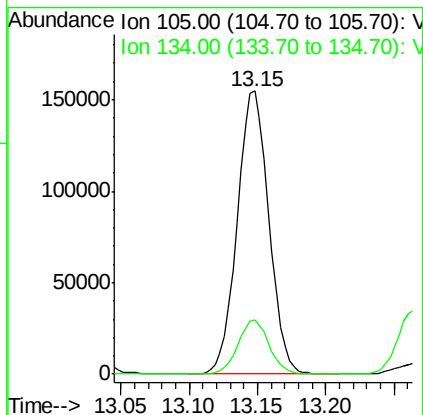
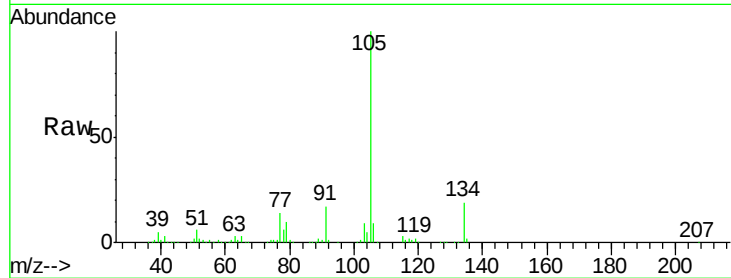
Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 18.455 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

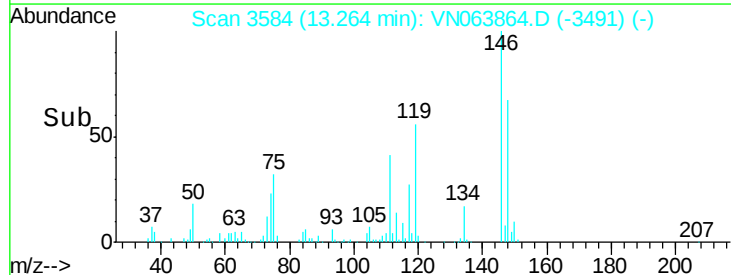
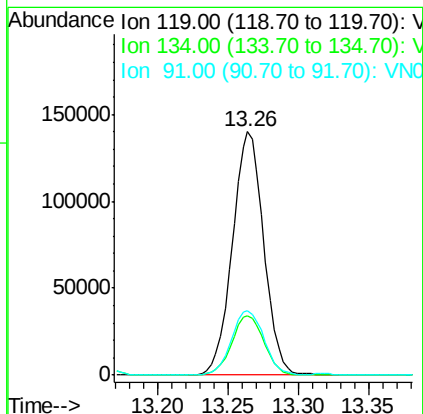
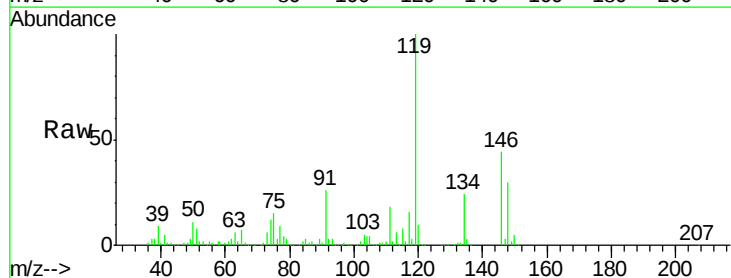
Tgt Ion:119 Resp: 216837

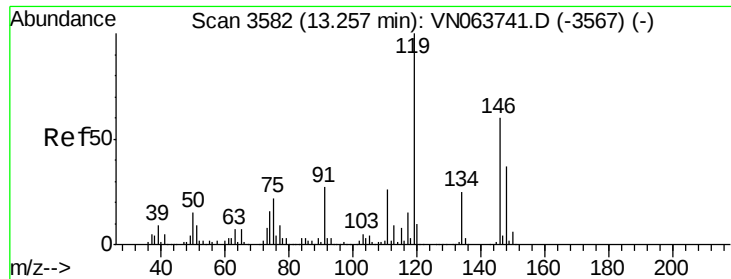
Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

91 27.0 13.4 40.2





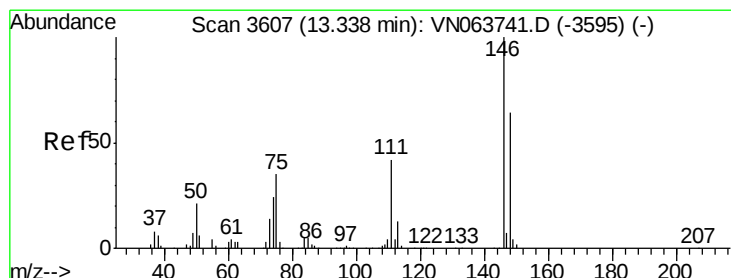
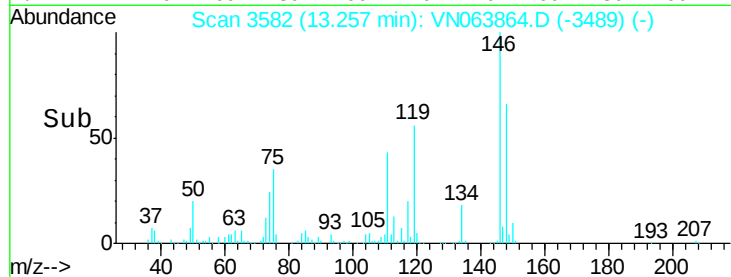
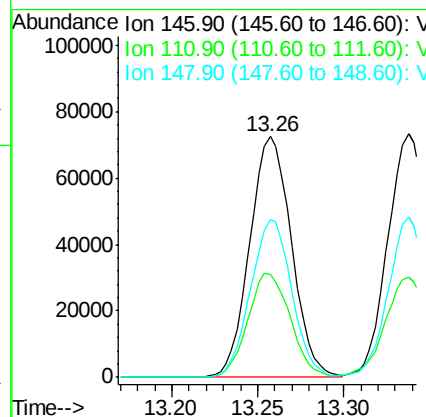
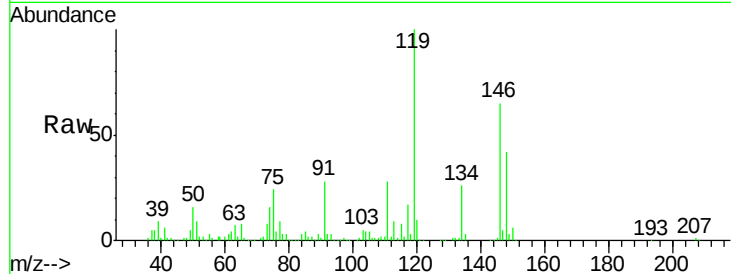
#87
 1,3-Dichlorobenzene
 Concen: 18.648 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.5	64.5
148	64.6	31.1	93.3

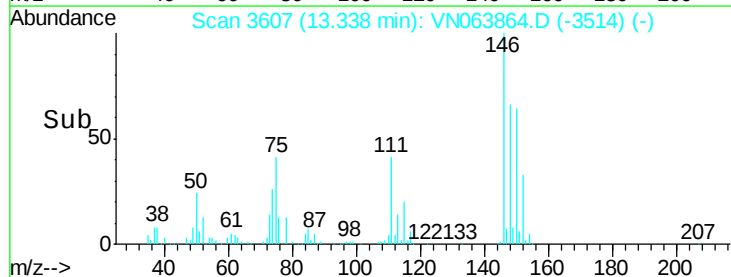
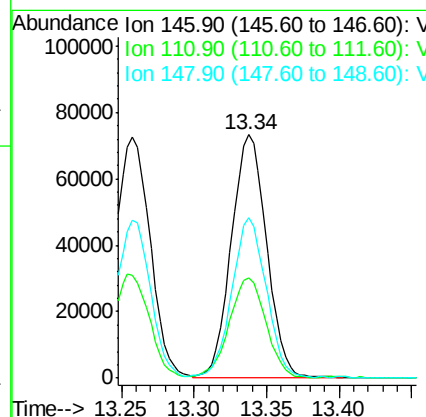
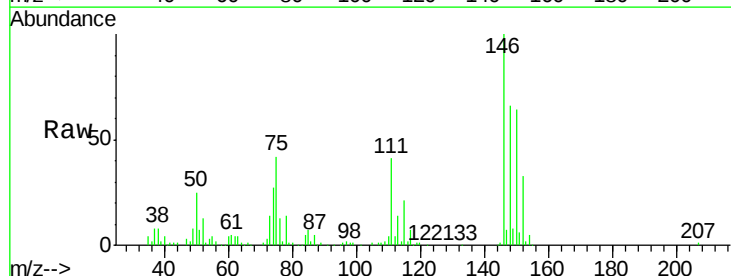
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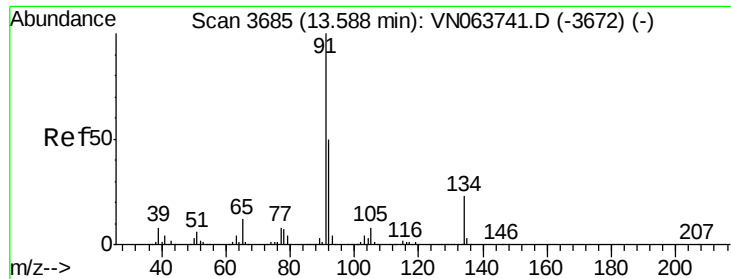
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#88
 1,4-Dichlorobenzene
 Concen: 18.078 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	63.8	32.0	96.0





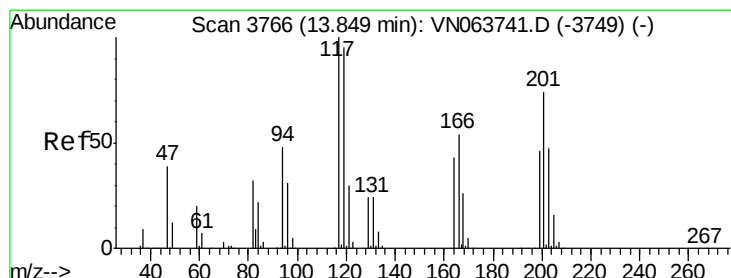
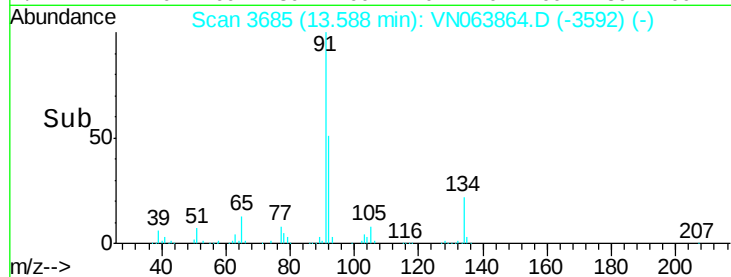
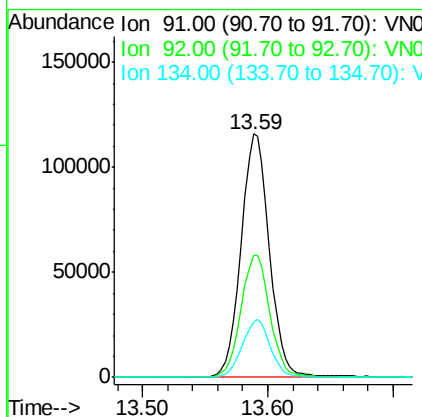
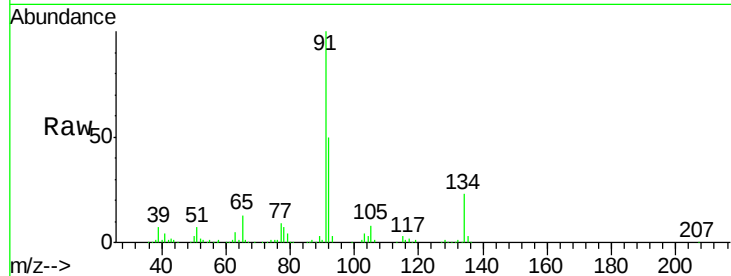
#89
n-Butylbenzene
Concen: 16.753 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.4	76.4
134	23.5	11.7	35.1

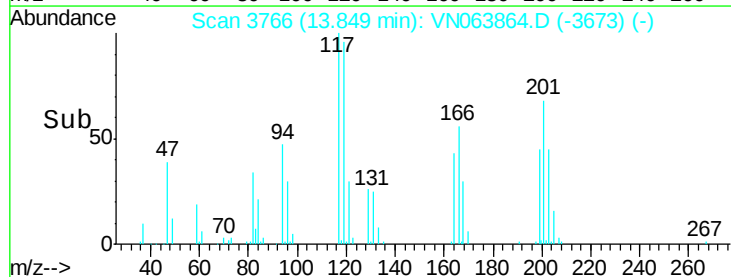
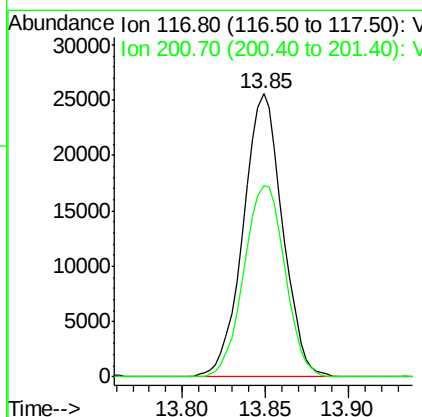
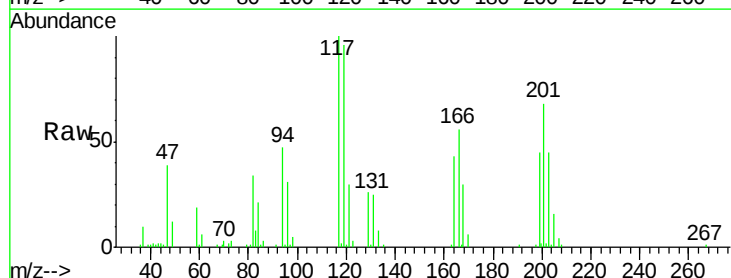
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#90
Hexachloroethane
Concen: 18.498 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063864.D
Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	36.0	108.0





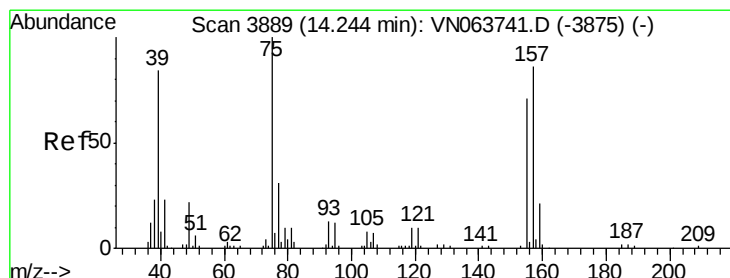
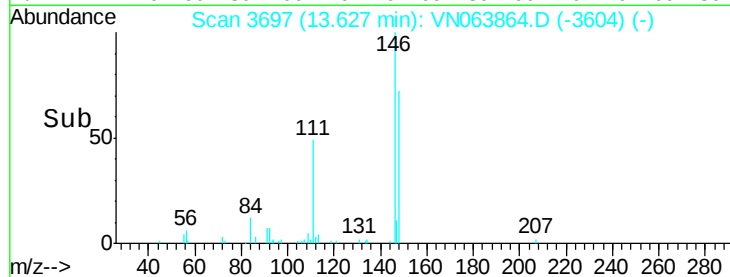
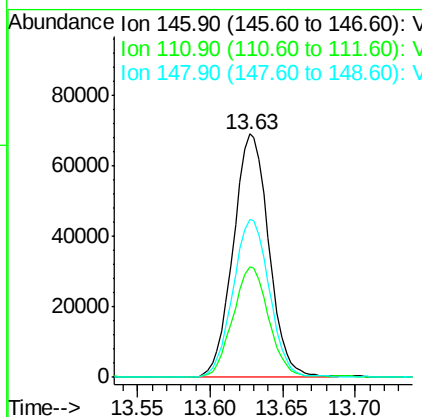
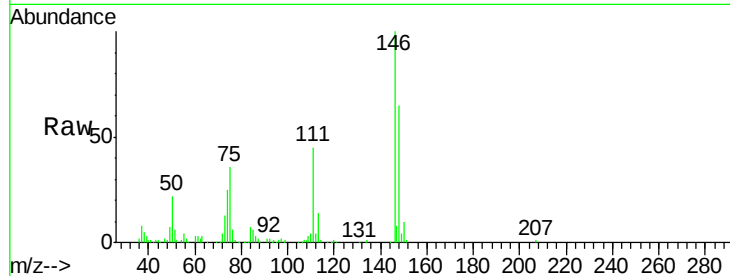
#91
 1,2-Dichlorobenzene
 Concen: 18.269 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118361		
111	45.5	22.2	66.6	
148	66.4	32.5	97.4	

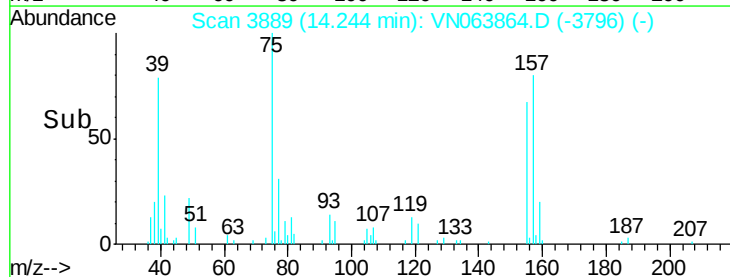
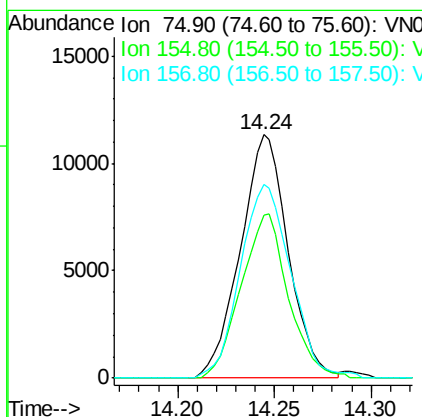
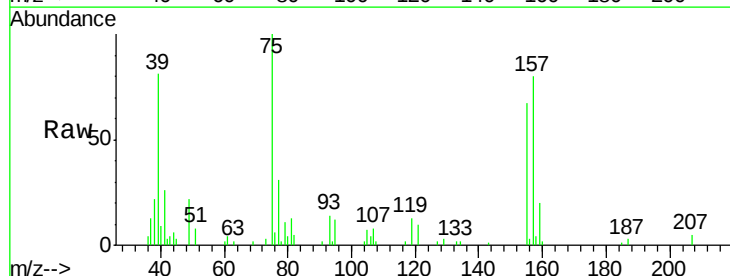
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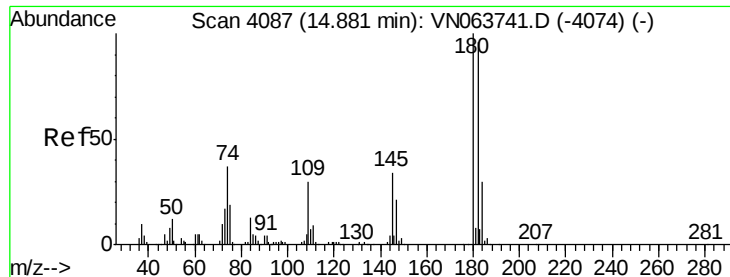
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 10/6/2020 12:56:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.455 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19501		
155	66.7	34.8	104.5	
157	84.2	43.7	131.1	





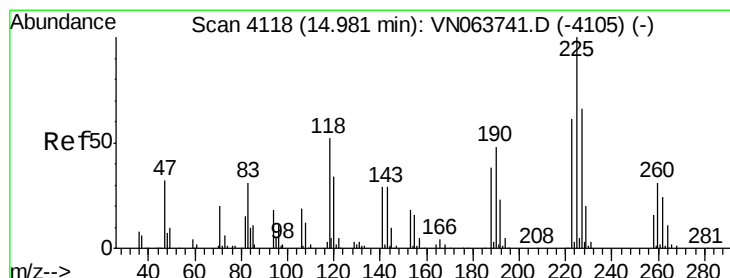
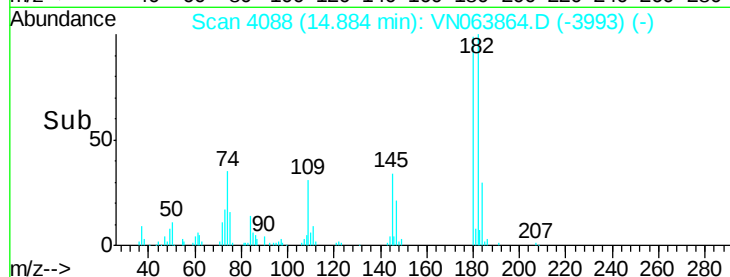
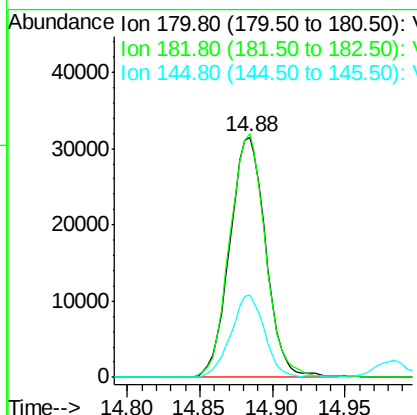
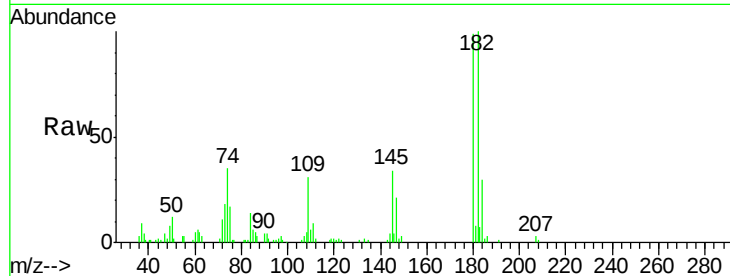
#93
 1,2,4-Trichlorobenzene
 Concen: 16.612 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.1	48.2	144.6
145	31.8	17.1	51.2

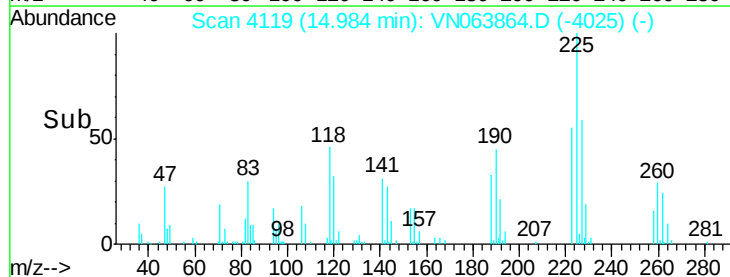
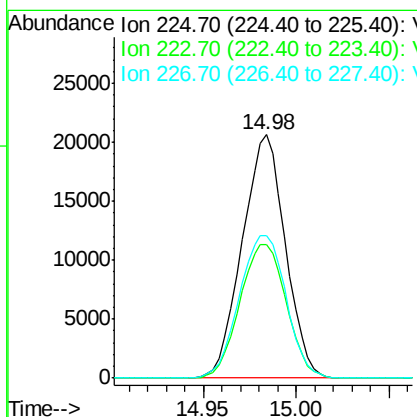
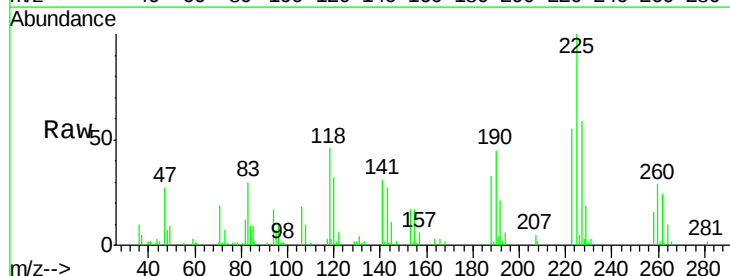
Manual Integrations
 APPROVED

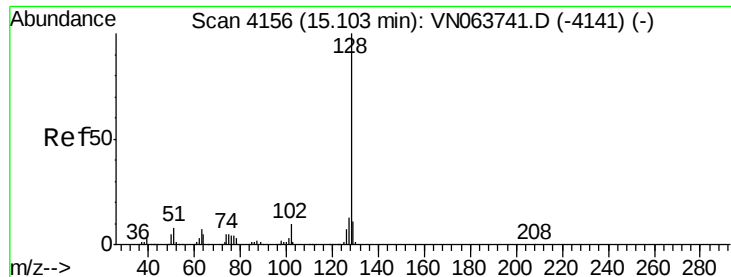
MMDadoda
 10/6/2020 12:56:33 PM



#94
 Hexachlorobutadiene
 Concen: 19.070 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063864.D
 Acq: 5 Oct 2020 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	30.3	91.0
227	63.5	31.9	95.5





#95

Naphthalene

Concen: 16.365 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Instrument :

MSVOA_N

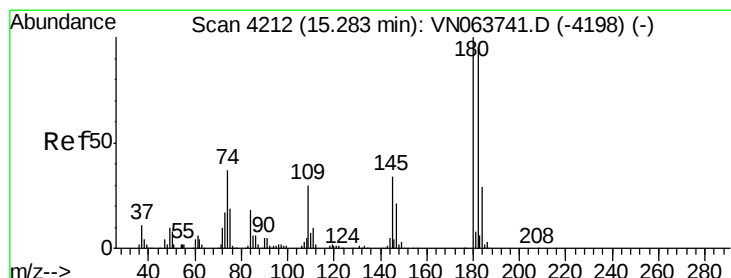
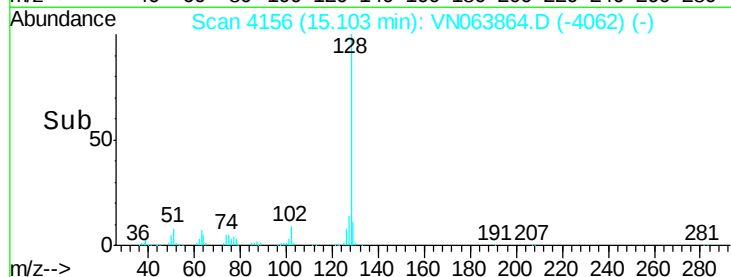
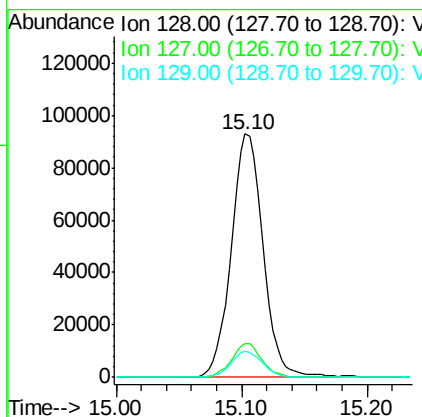
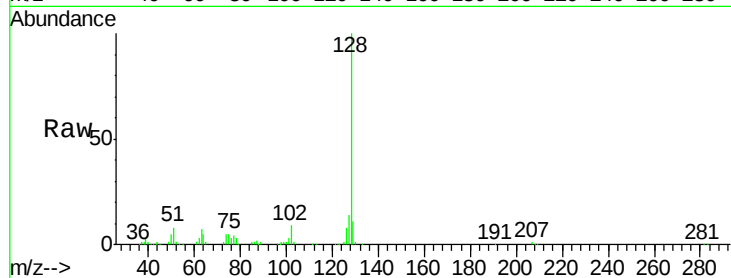
ClientSampleId :

VN1005WBS01

Tot Ion:	128	Resp:	163715
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/6/2020 12:56:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.887 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063864.D

Acq: 5 Oct 2020 12:30

Tgt Ion:	180	Resp:	54039
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.6
145	34.3	17.2	51.5

