

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063555.D
 Acq On : 23 Sep 2020 1:16
 Operator : JC/MD
 Sample : VN0922WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:06:38 PM

Quant Time: Sep 23 06:53:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	237479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	393429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175581	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	199853	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.55	113	140728	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.06	98	516890	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.38	95	191249	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	54317	20.189	ug/l	98
3) Chloromethane	2.04	50	66492	18.682	ug/l	99
4) Vinyl Chloride	2.17	62	67416	21.379	ug/l	97
5) Bromomethane	2.54	94	43715	23.349	ug/l	94
6) Chloroethane	2.68	64	39450	20.381	ug/l	98
7) Trichlorofluoromethane	2.99	101	103066	21.907	ug/l	96
8) Diethyl Ether	3.38	74	37257	20.314	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53539	20.235	ug/l	97
10) Methyl Iodide	3.92	142	65045	18.882	ug/l	98
11) Tert butyl alcohol	4.72	59	47528	84.867	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	52852	19.722	ug/l	98
13) Acrolein	3.57	56	19834	95.567	ug/l	96
14) Allyl chloride	4.28	41	90124	17.001	ug/l	90
15) Acrylonitrile	4.93	53	140388	98.550	ug/l	98
16) Acetone	3.78	43	131871	101.502	ug/l	96
17) Carbon Disulfide	4.01	76	141052	18.095	ug/l	98
18) Methyl Acetate	4.28	43	69769	21.154	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	199585	19.982	ug/l	98
20) Methylene Chloride	4.51	84	69242	21.035	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	58291	19.632	ug/l	93
22) Diisopropyl ether	5.90	45	212926	19.695	ug/l	95
23) Vinyl Acetate	5.85	43	871823	98.191	ug/l	100
24) 1,1-Dichloroethane	5.80	63	118352	20.051	ug/l	99
25) 2-Butanone	6.78	43	190689	95.433	ug/l	97
26) 2,2-Dichloropropane	6.78	77	82924	15.957	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	68503	20.384	ug/l	99
28) Bromochloromethane	7.15	49	55817	20.481	ug/l	99
29) Tetrahydrofuran	7.17	42	130204	95.410	ug/l	99
30) Chloroform	7.33	83	123986	20.937	ug/l	97
31) Cyclohexane	7.61	56	100460	17.993	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	107761	20.459	ug/l	100
36) 1,1-Dichloropropene	7.75	75	86589	19.231	ug/l	99
37) Ethyl Acetate	6.88	43	88404	20.005	ug/l #	91
38) Carbon Tetrachloride	7.73	117	90357	19.659	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	86683	17.739	ug/l	96
40) Benzene	8.00	78	256950	19.991	ug/l	99
41) Methacrylonitrile	7.14	41	38953m	19.599	ug/l	
42) 1,2-Dichloroethane	8.09	62	106810	20.664	ug/l	99
43) Isopropyl Acetate	8.13	43	146672	18.562	ug/l	99
44) Trichloroethene	8.80	130	63388	20.333	ug/l	98
45) 1,2-Dichloropropane	9.08	63	70283	20.077	ug/l	98
46) Dibromomethane	9.18	93	47974	20.851	ug/l	98
47) Bromodichloromethane	9.37	83	95751	20.032	ug/l	97
48) Methyl methacrylate	9.17	41	71098	18.314	ug/l	96
49) 1,4-Dioxane	9.17	88	20059	360.052	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	432976	97.878	ug/l	99
52) Toluene	10.13	92	158793	20.549	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	96207	18.029	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	103917	18.462	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	65914	21.474	ug/l	98
56) Ethyl methacrylate	10.40	69	89217	18.619	ug/l	98
57) 1,3-Dichloropropane	10.68	76	108905	19.675	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	232407	92.456	ug/l	97
59) 2-Hexanone	10.72	43	305665	95.377	ug/l	99
60) Dibromochloromethane	10.87	129	67877	19.574	ug/l	98
61) 1,2-Dibromoethane	10.98	107	65071	20.405	ug/l	100
64) Tetrachloroethene	10.60	164	57785	21.570	ug/l	98
65) Chlorobenzene	11.41	112	165282	19.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61150	19.975	ug/l	98
67) Ethyl Benzene	11.49	91	303787	19.316	ug/l	99
68) m/p-Xylenes	11.59	106	222937	39.315	ug/l	100
69) o-Xylene	11.92	106	106449	19.706	ug/l	100
70) Styrene	11.94	104	180285	19.902	ug/l	98
71) Bromoform	12.10	173	42032	18.430	ug/l #	99
73) Isopropylbenzene	12.22	105	285940	20.323	ug/l	100
74) N-amyl acetate	12.05	43	124606	18.709	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	88574	20.331	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	88908m	20.458	ug/l	
77) Bromobenzene	12.50	156	68409	21.614	ug/l	97
78) n-propylbenzene	12.57	91	332489	20.289	ug/l	99
79) 2-Chlorotoluene	12.65	91	202095	20.572	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	240962	20.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	26106	16.469	ug/l	95
82) 4-Chlorotoluene	12.75	91	210232	20.255	ug/l	99
83) tert-Butylbenzene	12.97	119	193037	19.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	242778	20.486	ug/l	99
85) sec-Butylbenzene	13.14	105	259621	20.030	ug/l	100
86) p-Isopropyltoluene	13.26	119	227919	19.936	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	119589	20.386	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	122045	20.463	ug/l	100
89) n-Butylbenzene	13.59	91	199229	18.906	ug/l	99
90) Hexachloroethane	13.85	117	40293	18.509	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	120533	20.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18456	17.791	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 23 06:53:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62166	18.309	ug/l	95
94) Hexachlorobutadiene	14.98	225	29860	21.243	ug/l	99
95) Naphthalene	15.10	128	207173	18.469	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	63255	19.282	ug/l	99

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

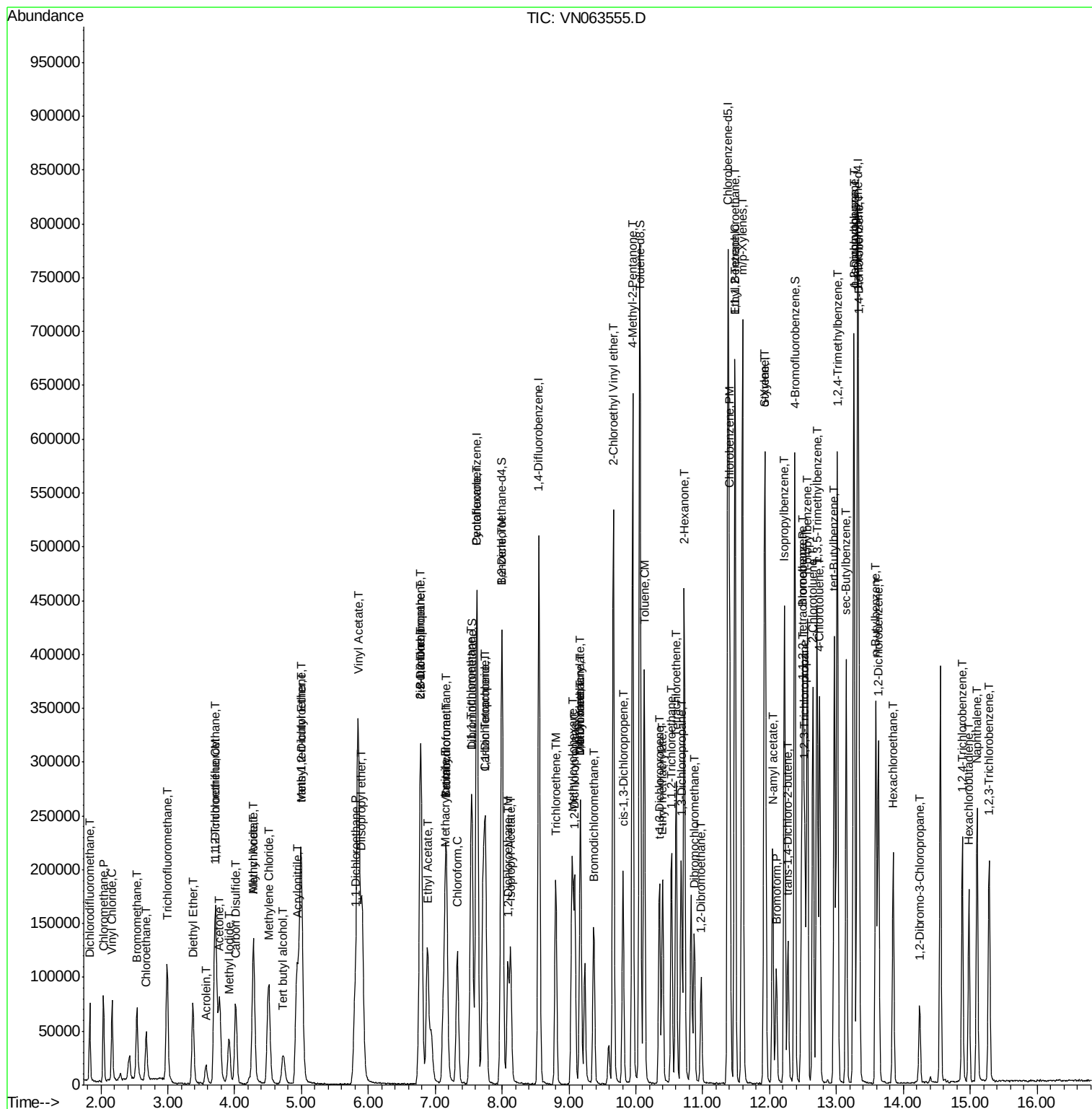
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\
Data File : VN063555.D
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Operator : JC/MD
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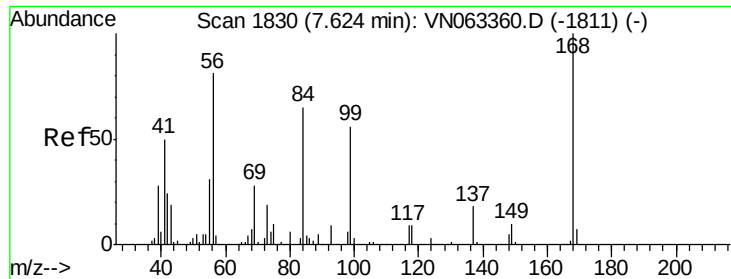
Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion:168 Resp: 237479

Ion Ratio Lower Upper

168 100

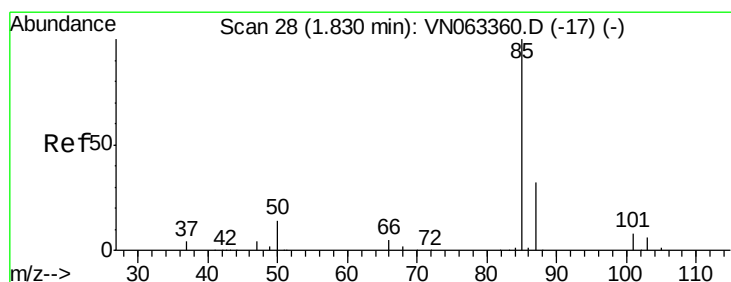
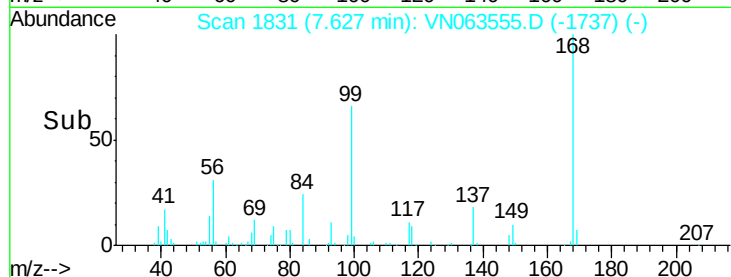
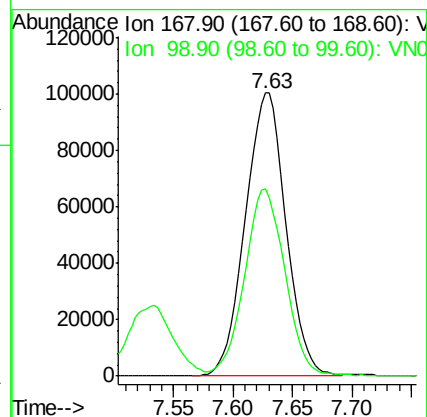
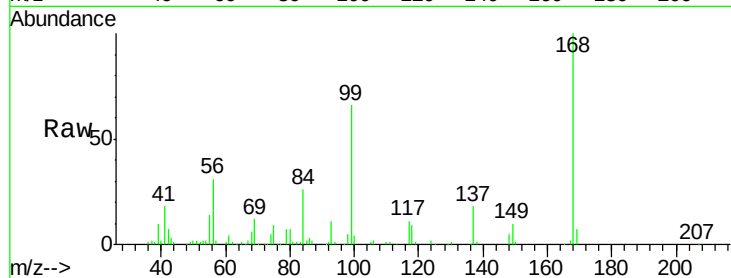
99 65.7 53.0 79.6

Manual Integrations

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9/23/2020 1:06:38 PM



#2

Dichlorodifluoromethane

Concen: 20.189 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063555.D

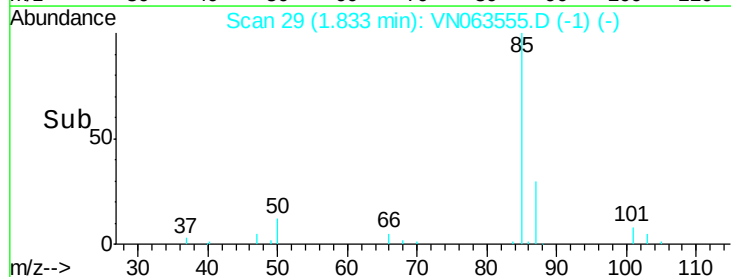
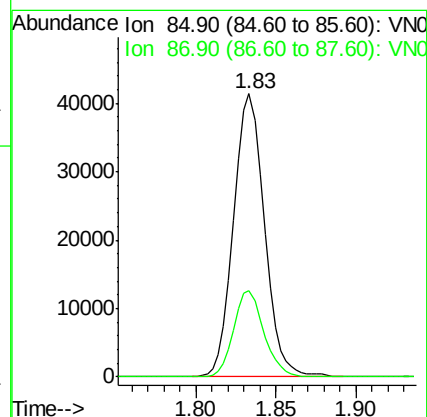
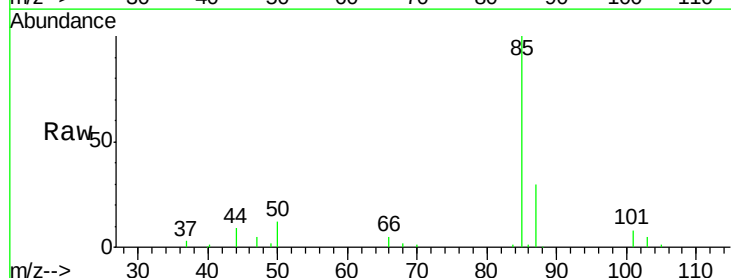
Acq: 23 Sep 2020 1:16

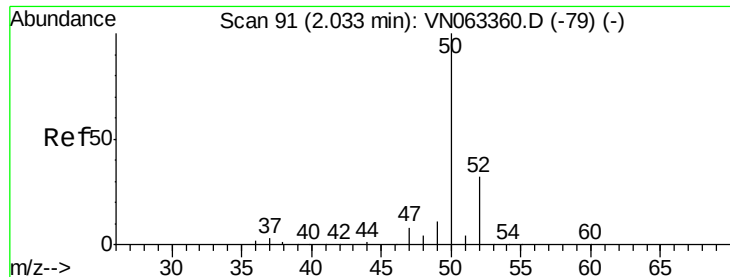
Tgt Ion: 85 Resp: 54317

Ion Ratio Lower Upper

85 100

87 30.5 15.9 47.6





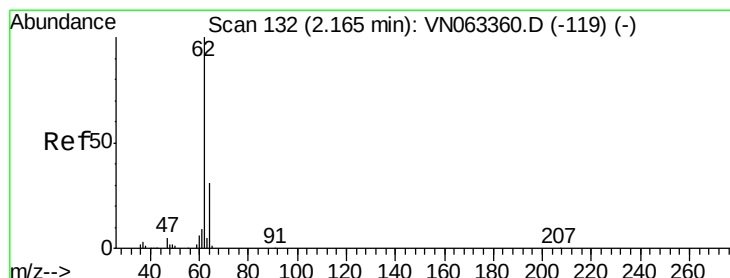
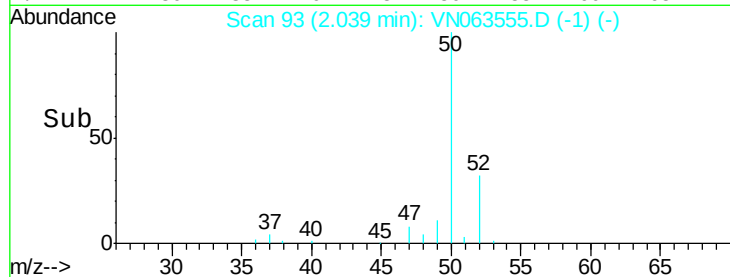
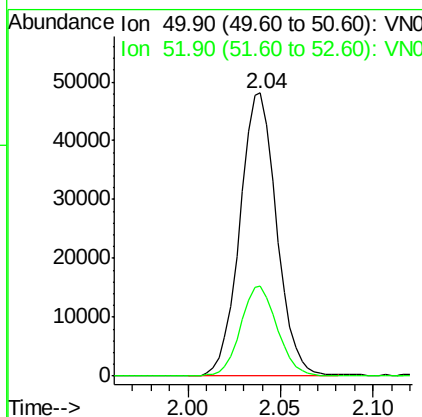
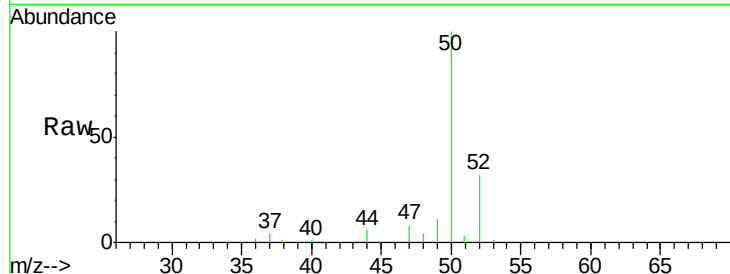
#3
Chloromethane
Concen: 18.682 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.01 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ion	Ratio	Lower	Upper
50	50	100		
52	52	31.6	25.9	38.9

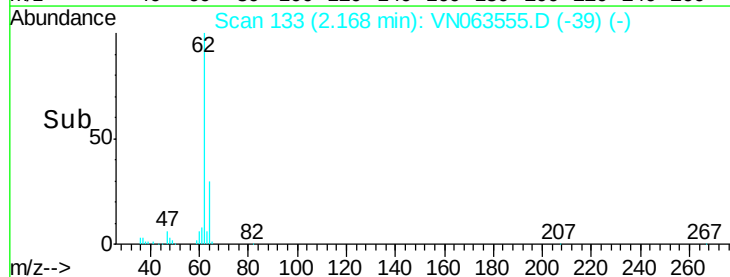
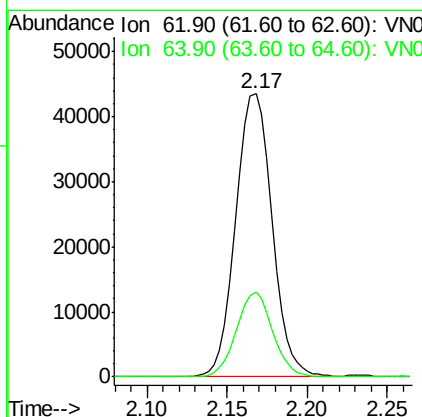
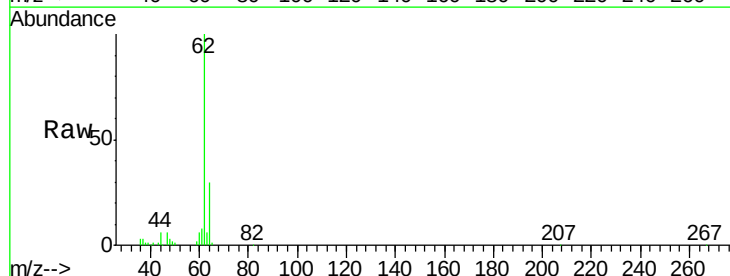
Manual Integrations
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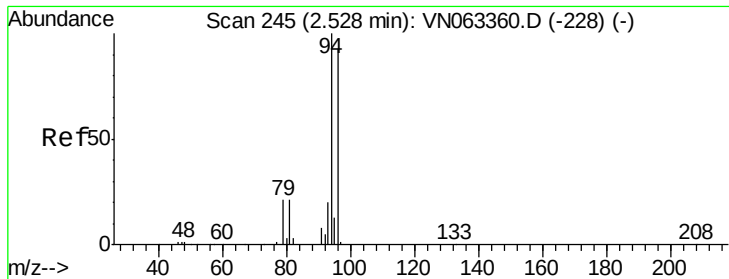
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9/23/2020 1:06:38 PM



#4
Vinyl Chloride
Concen: 21.379 ug/l
RT: 2.17 min Scan# 133
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
64	64	29.8	25.1	37.7





#5

Bromomethane

Concen: 23.349 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 94 Resp: 43715

Ion Ratio Lower Upper

94 100

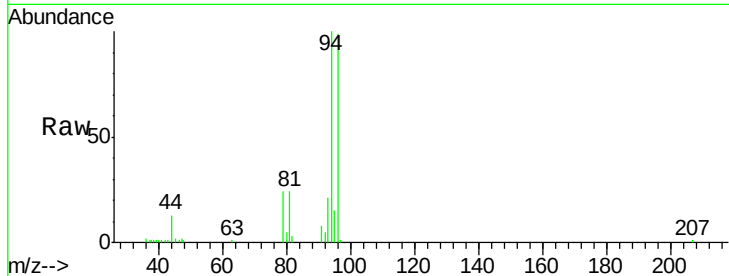
96 98.7 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

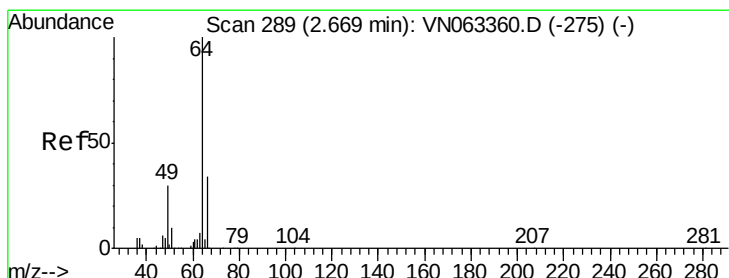
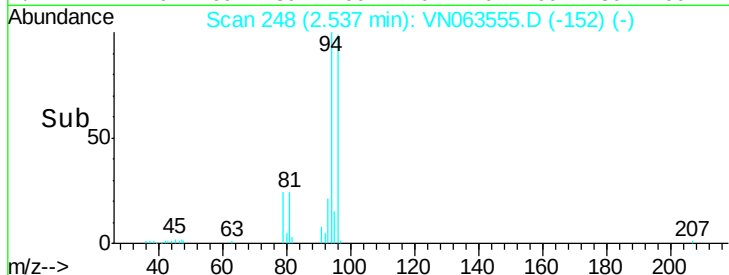
5000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.54



#6

Chloroethane

Concen: 20.381 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063555.D

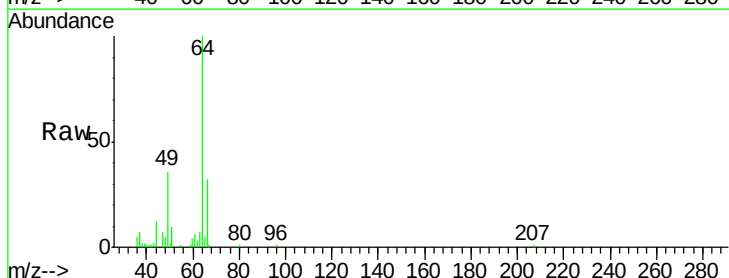
Acq: 23 Sep 2020 1:16

Tgt Ion: 64 Resp: 39450

Ion Ratio Lower Upper

64 100

66 32.4 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

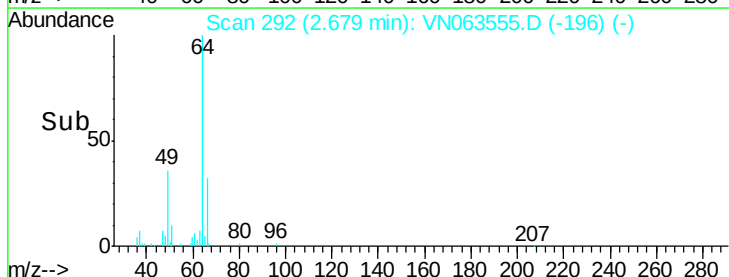
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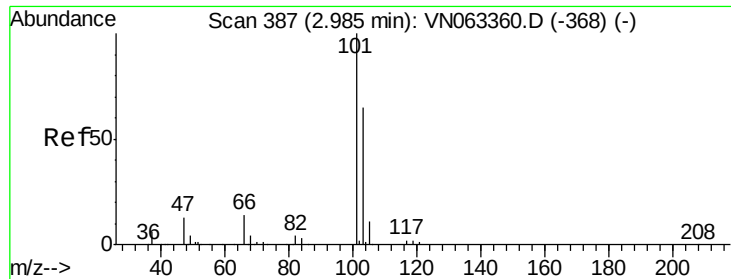
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Time-->

2.60 2.65 2.70 2.75

2.68





#7

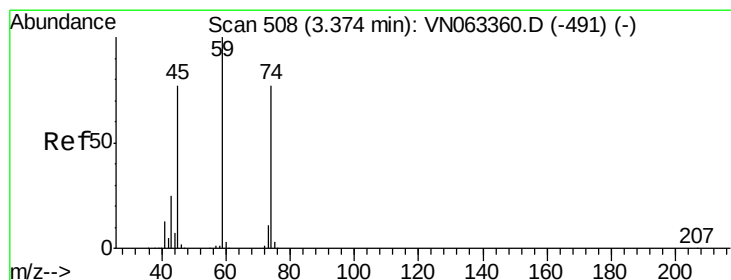
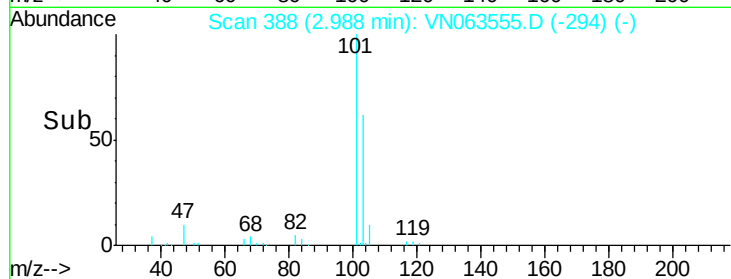
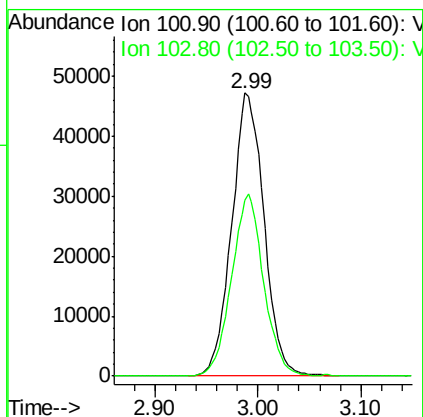
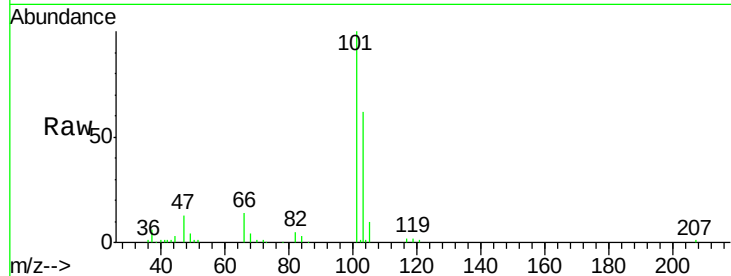
Trichlorofluoromethane
Concen: 21.907 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	52.3	78.5

Manual Integrations
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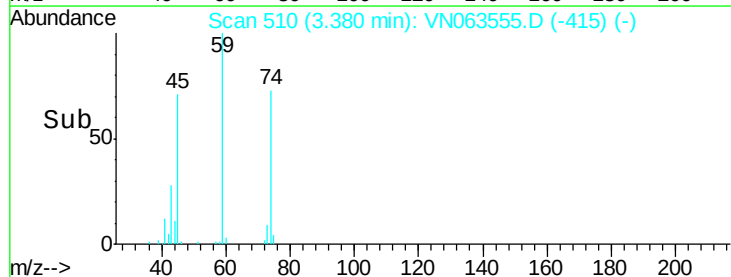
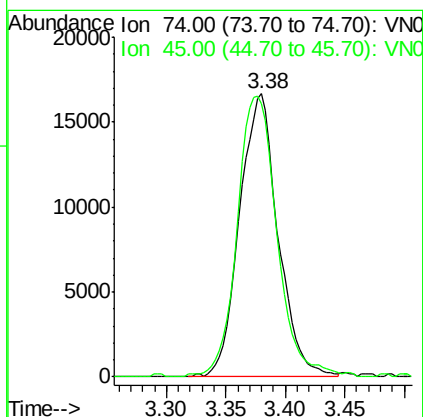
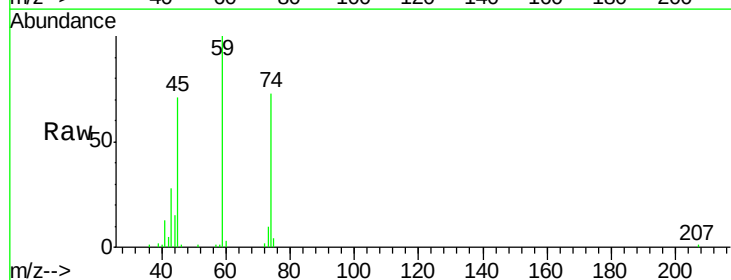
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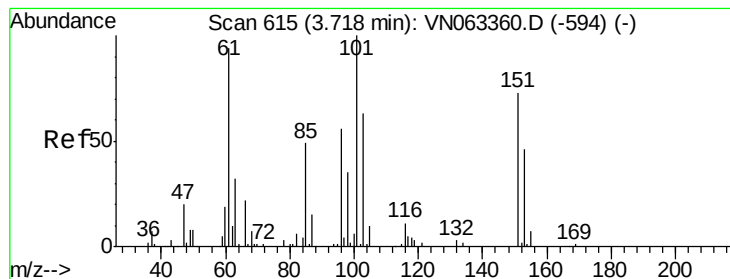


#8

Diethyl Ether
Concen: 20.314 ug/l
RT: 3.38 min Scan# 510
Delta R.T. 0.01 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.235 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

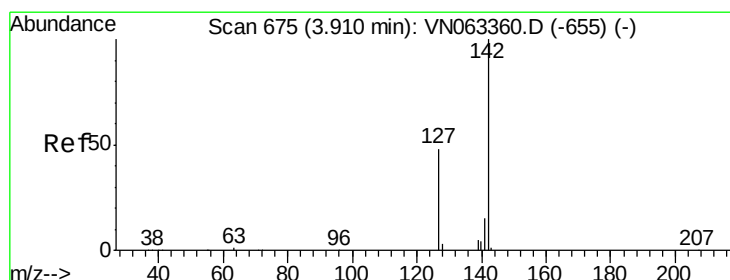
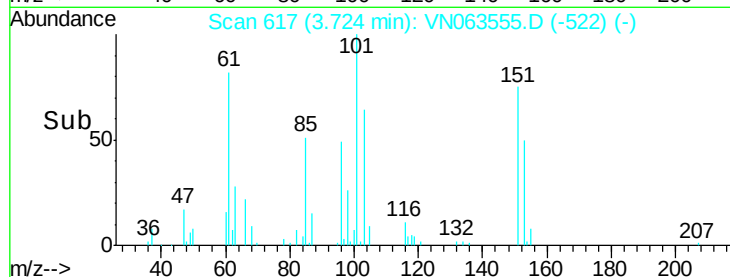
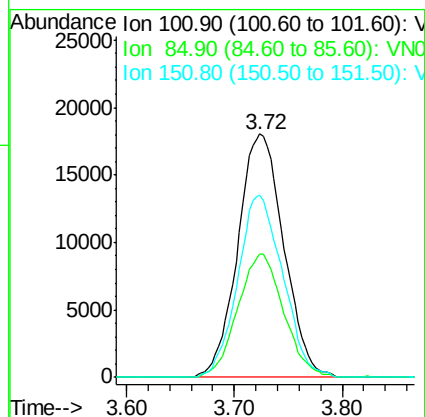
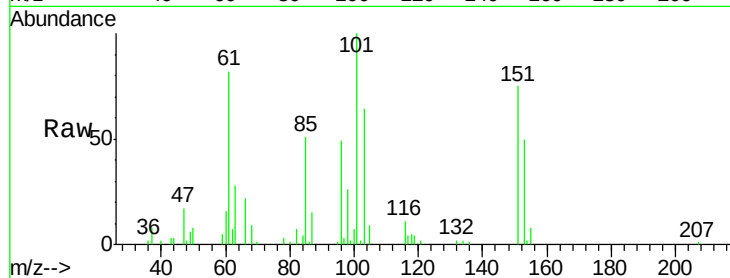
ClientSampleId :

VN0922WBS02

Tot Ion:	101	Resp:	53539
Ion Ratio	Lower	Upper	
101	100		
85	50.5	37.7	56.5
151	73.4	57.7	86.5

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#10

Methyl Iodide

Concen: 18.882 ug/l

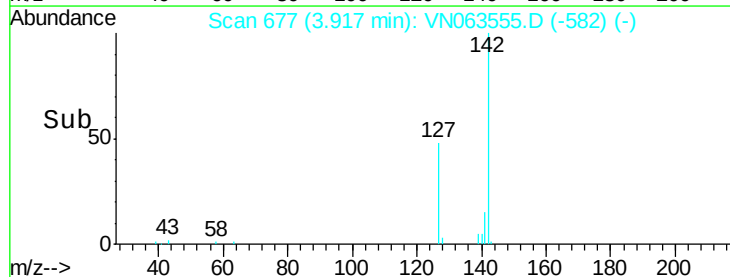
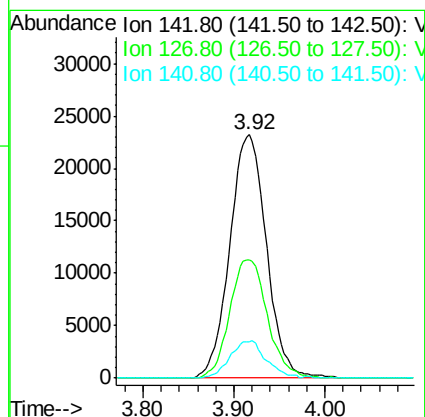
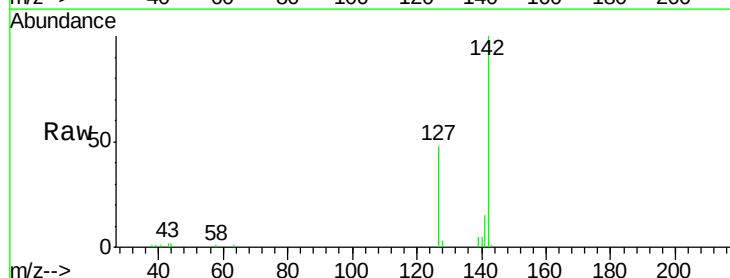
RT: 3.92 min Scan# 677

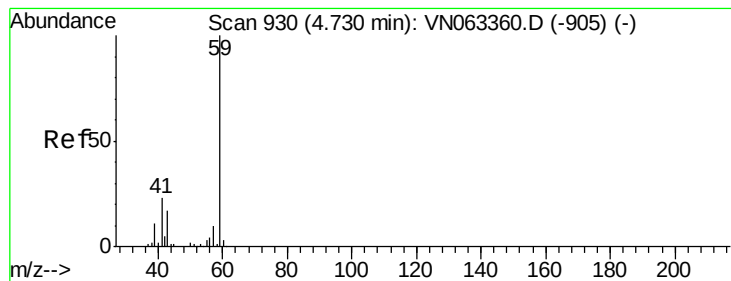
Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	142	Resp:	65045
Ion Ratio	Lower	Upper	
142	100		
127	49.9	39.0	58.6
141	15.0	11.6	17.4





#11

Tert butyl alcohol

Concen: 84.867 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 59 Resp: 47528

Ion Ratio Lower Upper

59 100

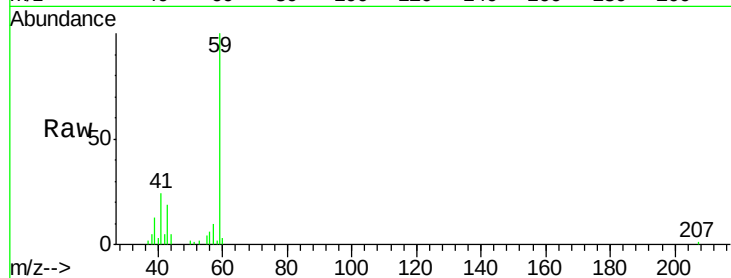
57 5.1 8.4 12.6#

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

15000

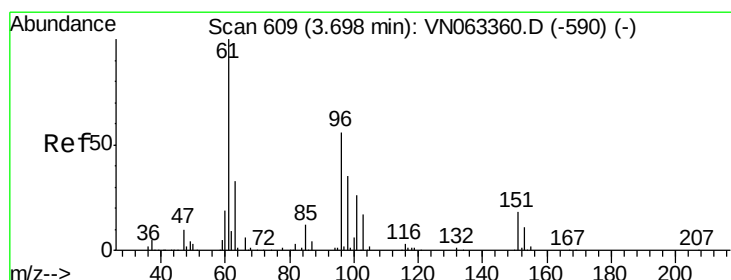
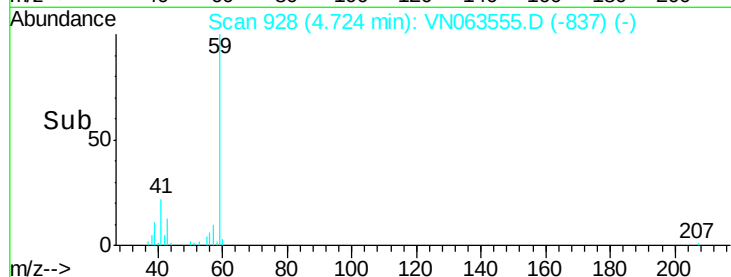
10000

5000

0

4.60 4.70 4.80

Time-->



#12

1,1-Dichloroethene

Concen: 19.722 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

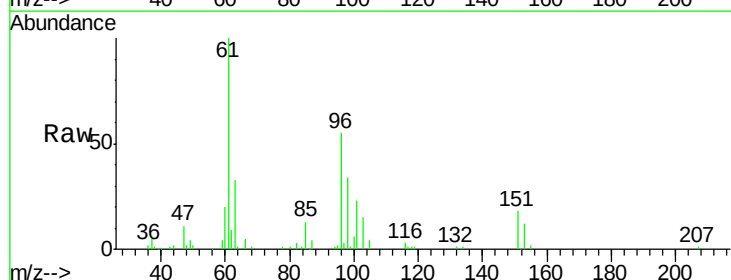
Tgt Ion: 96 Resp: 52852

Ion Ratio Lower Upper

96 100

61 182.7 143.4 215.2

98 62.0 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

50000

40000

30000

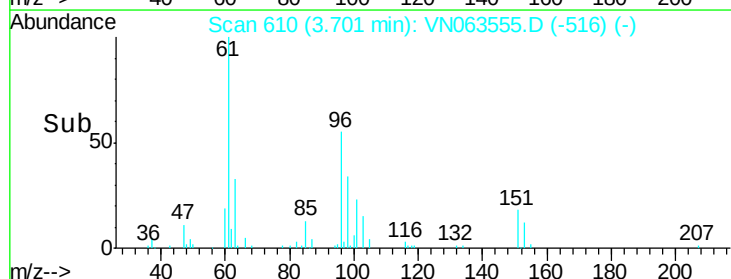
20000

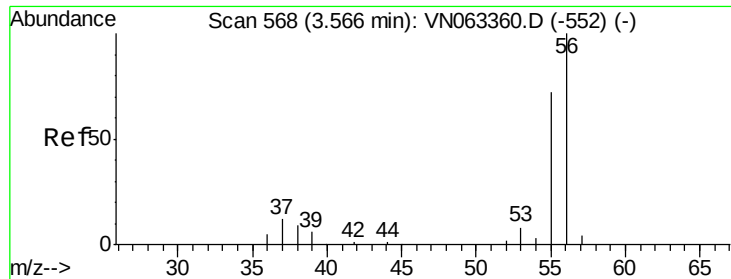
10000

0

3.60 3.65 3.70 3.75 3.80

Time-->





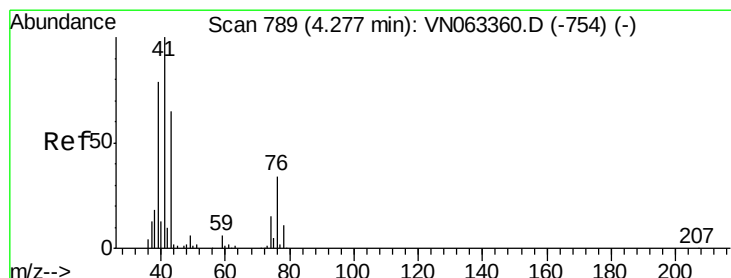
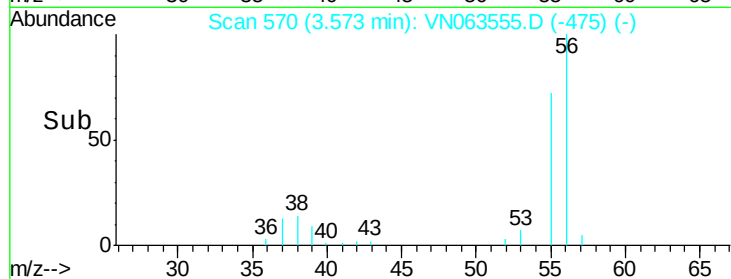
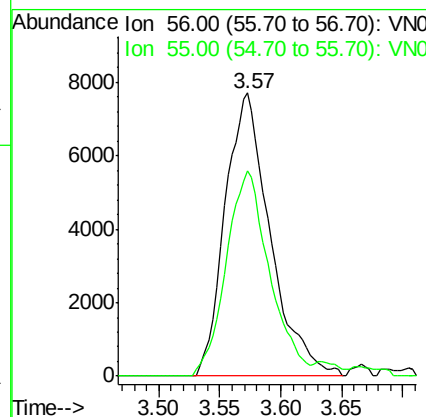
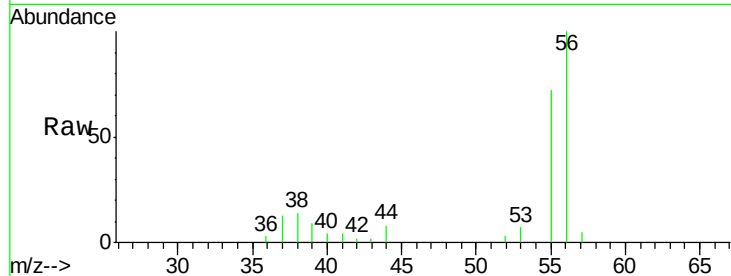
#13
Acrolein
Concen: 95.567 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	56	Resp	19834
Ion Ratio	100	Lower	Upper
56	100		
55	69.6	58.2	87.2

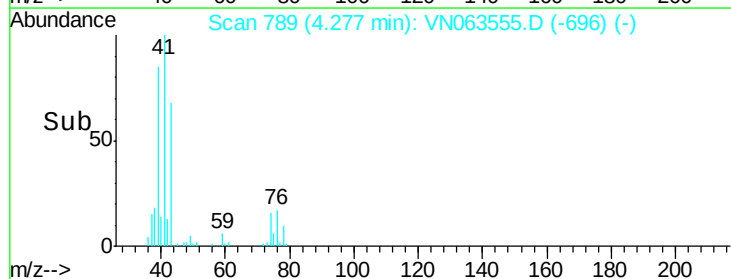
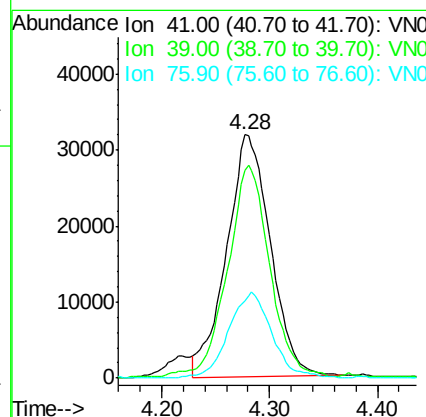
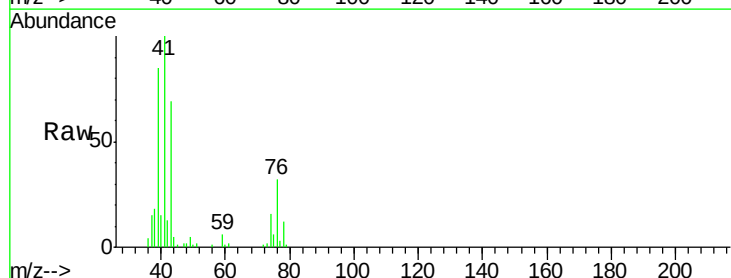
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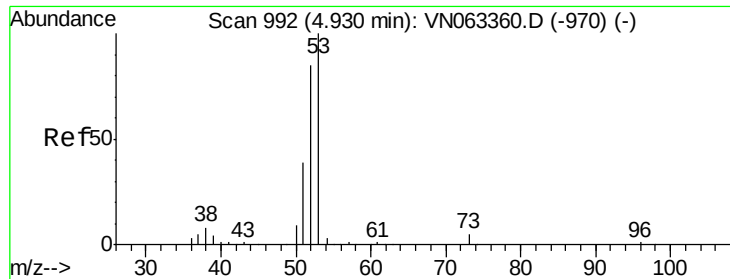
MMDadoda
9/23/2020 1:06:38 PM



#14
Allyl chloride
Concen: 17.001 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	41	Resp	90124
Ion Ratio	100	Lower	Upper
41	100		
39	84.1	59.3	88.9
76	34.8	25.3	37.9





#15

Acrylonitrile

Concen: 98.550 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

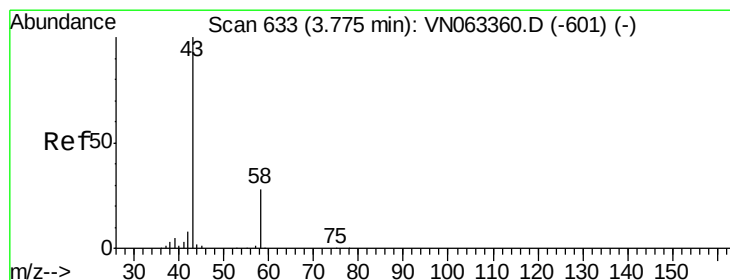
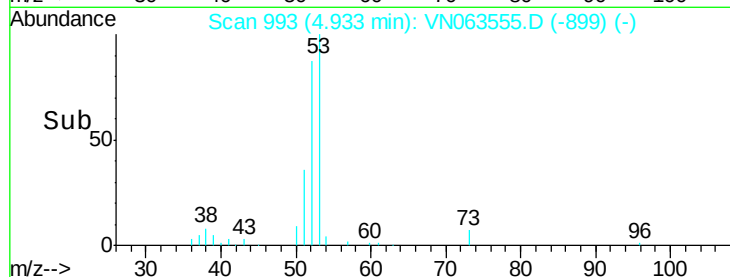
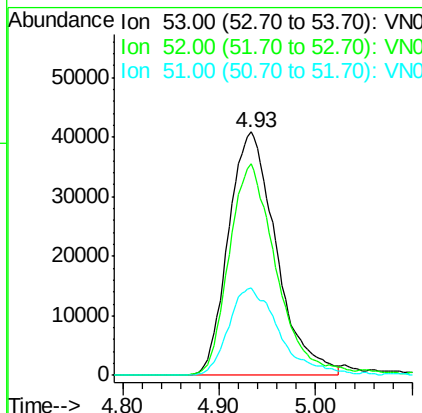
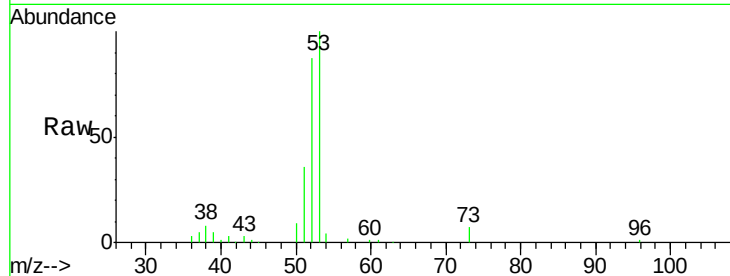
ClientSampleId :

VN0922WBS02

Tot Ion:	53	Resp:	140388
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.4	99.6
51	38.1	30.2	45.4

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#16

Acetone

Concen: 101.502 ug/l

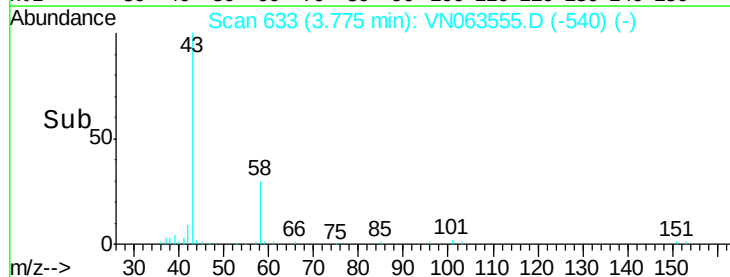
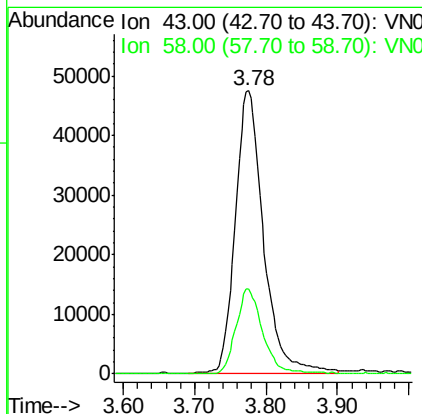
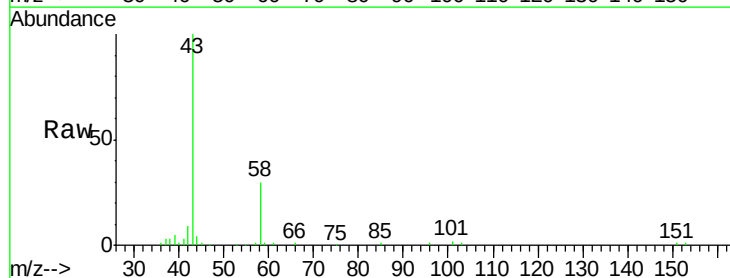
RT: 3.78 min Scan# 633

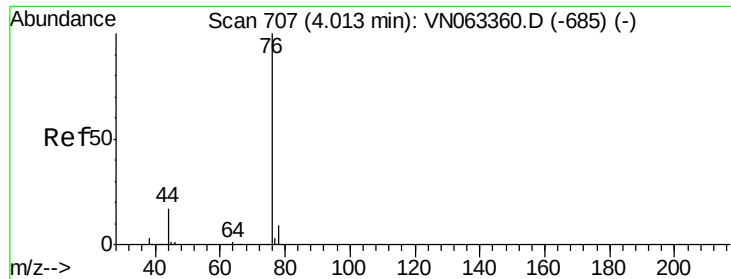
Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	43	Resp:	131871
Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.3	33.5





#17

Carbon Disulfide

Concen: 18.095 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 76 Resp: 141052

Ion Ratio Lower Upper

76 100

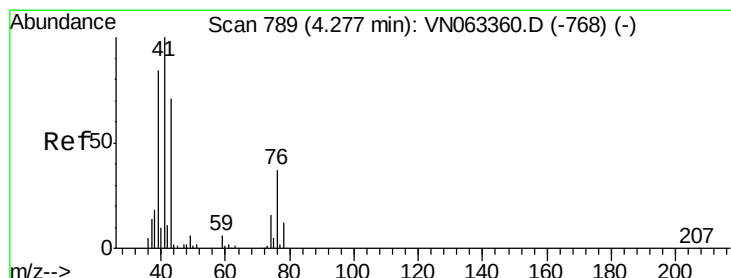
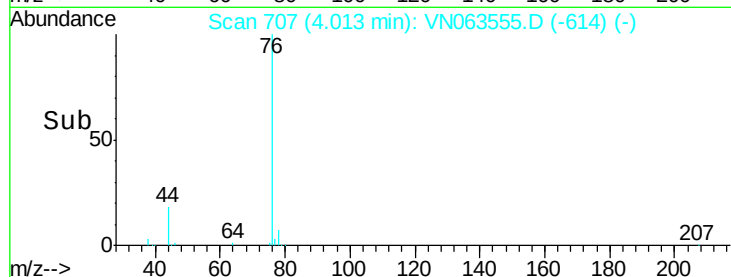
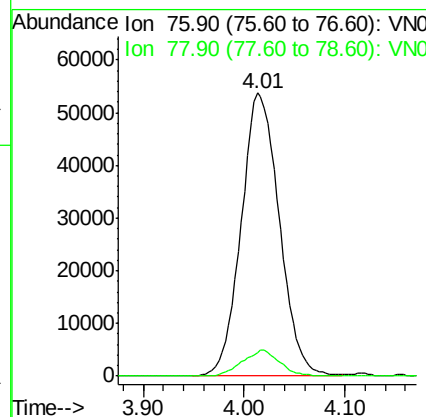
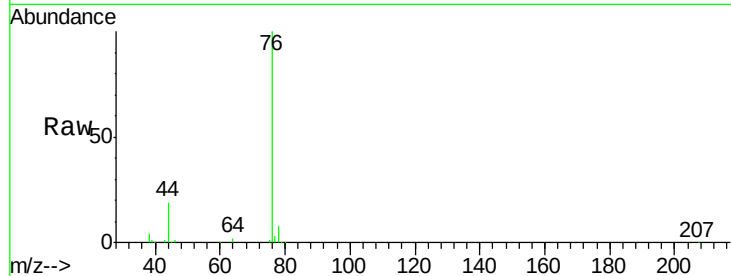
78 8.4 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 21.154 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063555.D

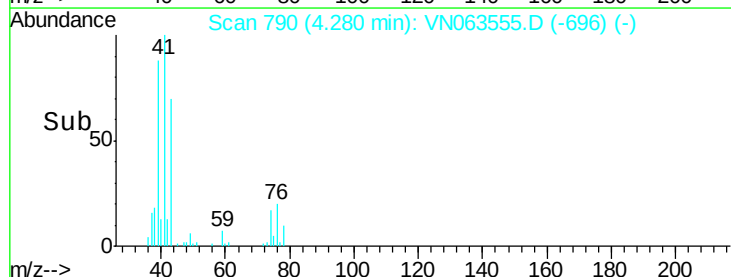
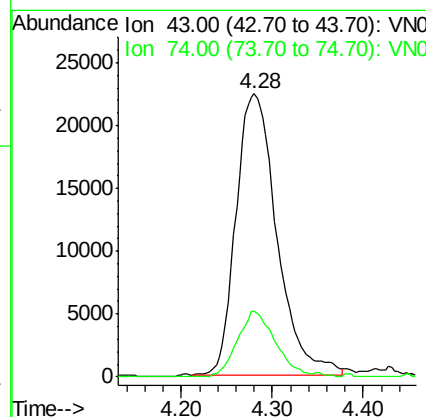
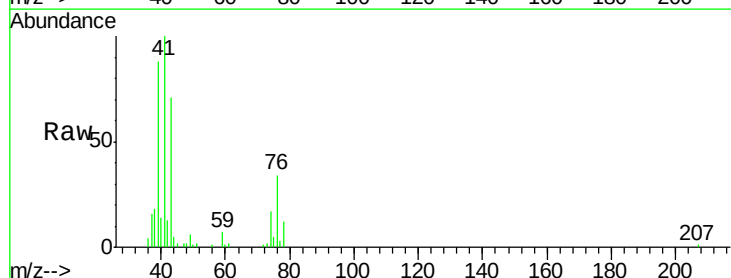
Acq: 23 Sep 2020 1:16

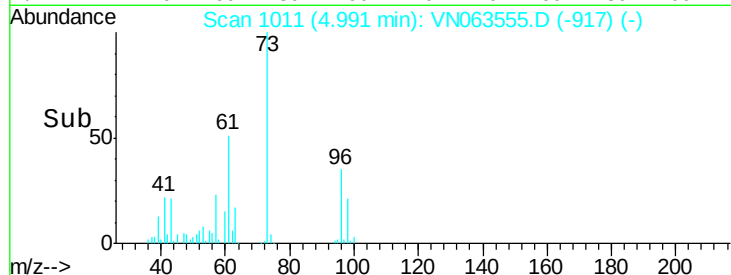
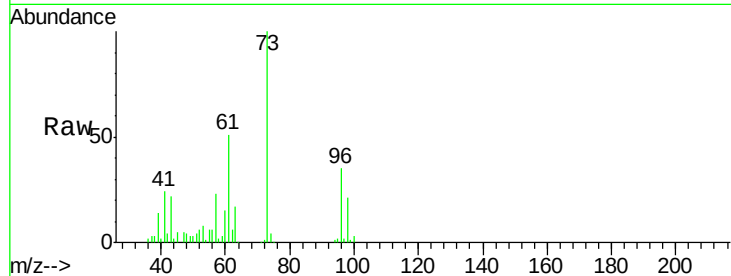
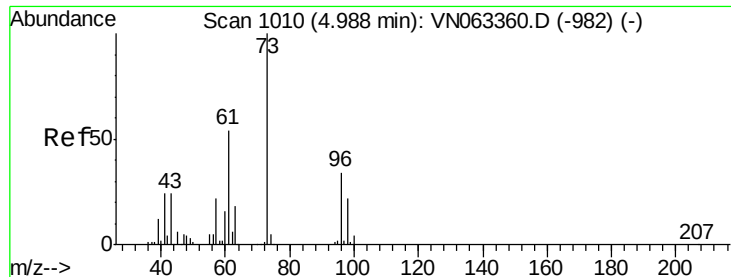
Tgt Ion: 43 Resp: 69769

Ion Ratio Lower Upper

43 100

74 21.5 17.4 26.2





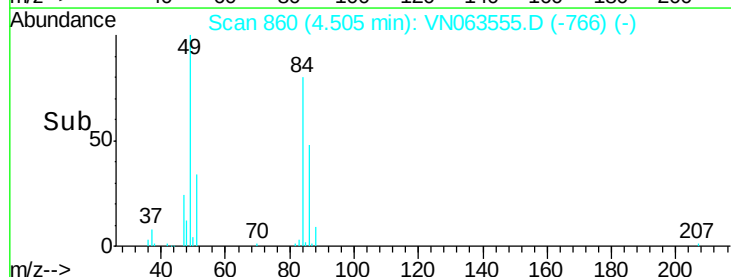
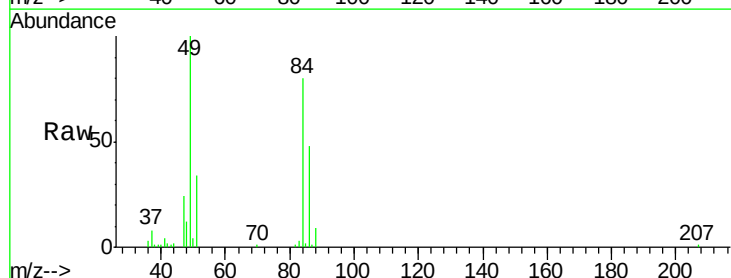
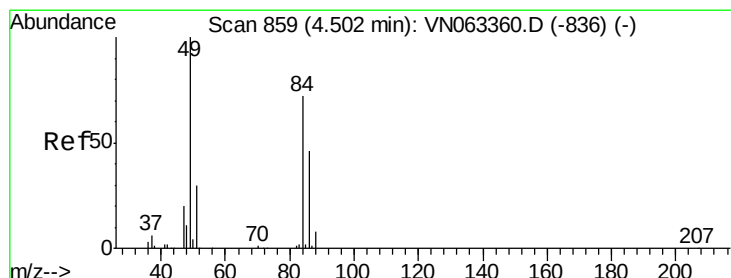
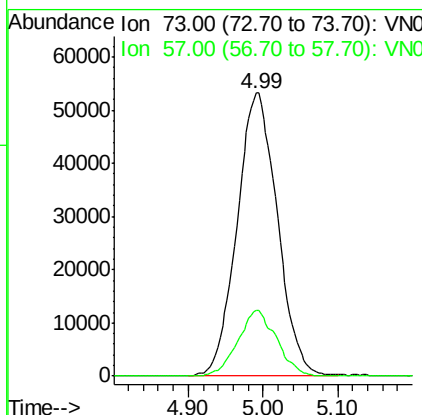
#19
Methyl tert-butyl Ether
Concen: 19.982 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tot Ion: 73 Resp: 199585
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

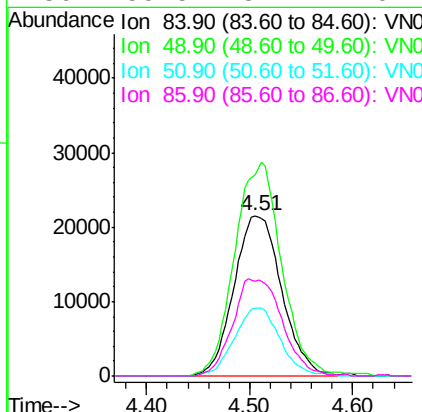
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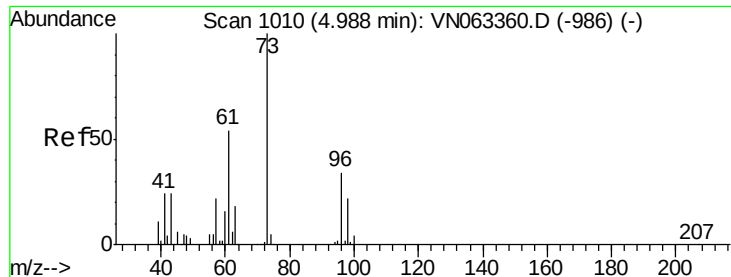
MMDadoda
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#20
Methylene Chloride
Concen: 21.035 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 84 Resp: 69242
Ion Ratio Lower Upper
84 100
49 125.1 110.7 166.1
51 41.9 32.9 49.3
86 59.5 51.1 76.7





#21

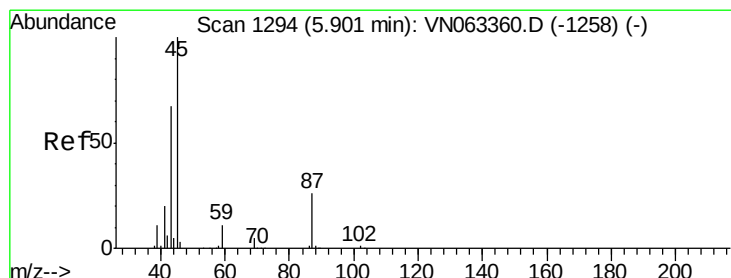
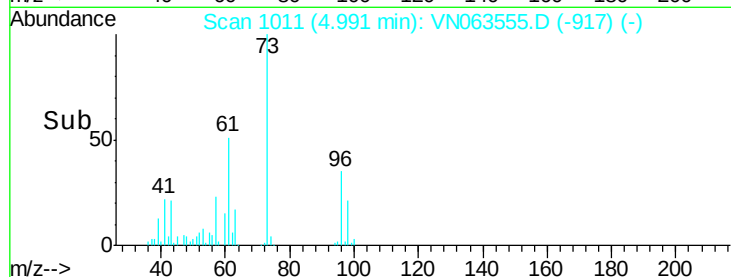
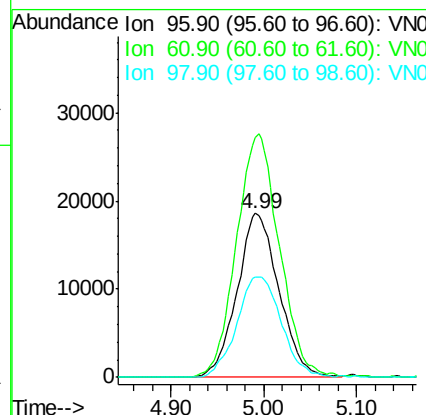
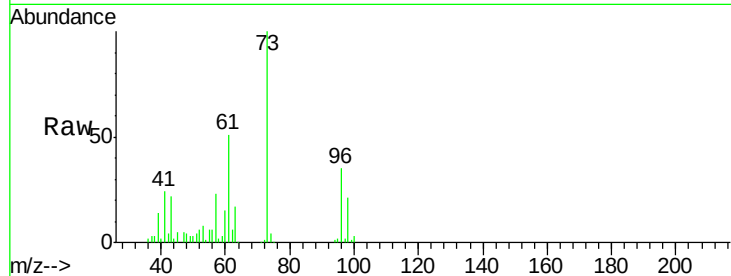
trans-1,2-Dichloroethene
Concen: 19.632 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	126.2	189.4
98	61.1	51.0	76.4

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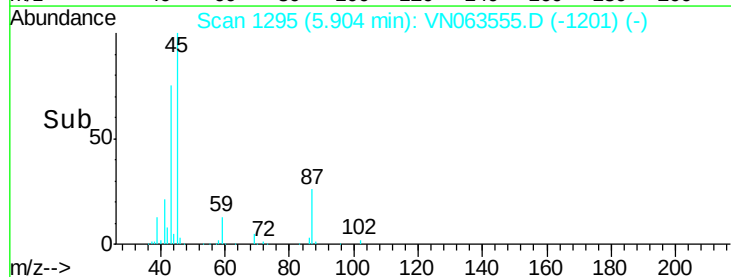
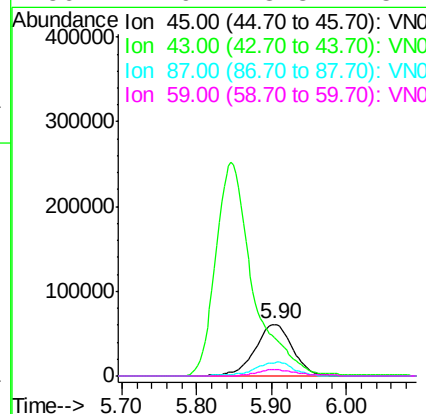
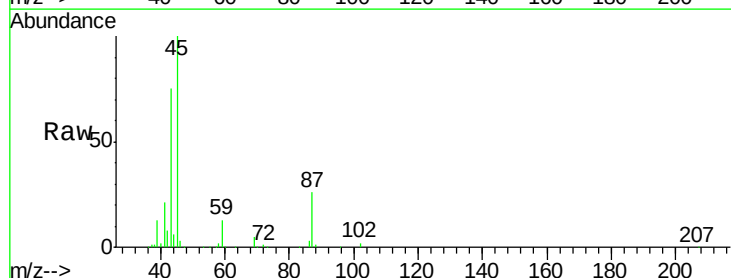
MMDadoda
9/23/2020 1:06:38 PM

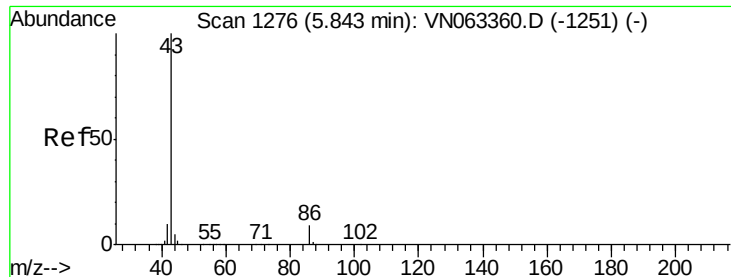


#22

Diisopropyl ether
Concen: 19.695 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.9	53.5	80.3
87	25.7	21.2	31.8
59	11.9	8.8	13.2





#23

Vinyl Acetate

Concen: 98.191 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 43 Resp: 871823

Ion Ratio Lower Upper

43 100

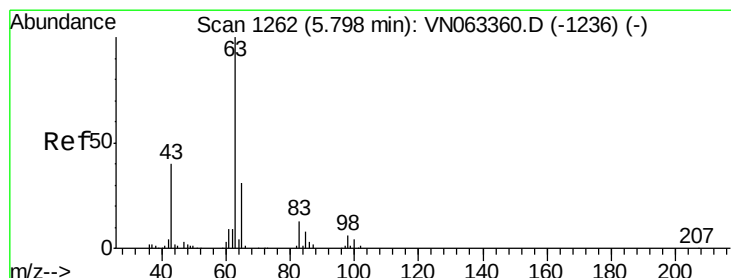
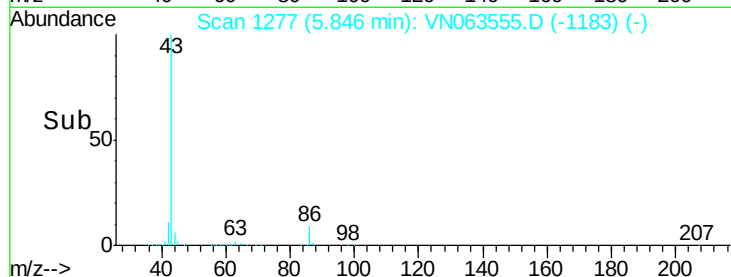
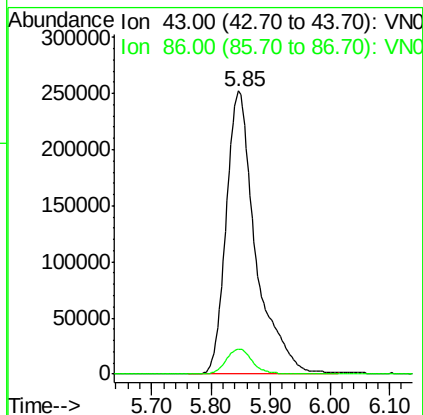
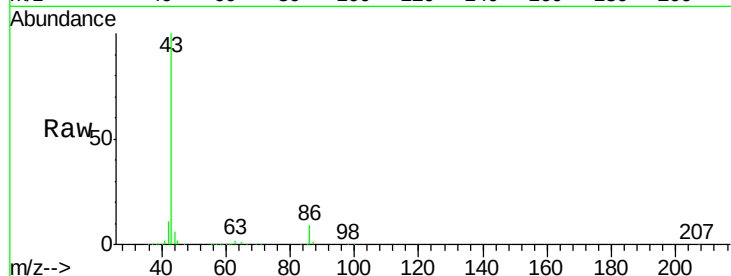
86 8.9 7.1 10.7

Manual Integrations

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MMDadoda

9/23/2020 1:06:38 PM



#24

1,1-Dichloroethane

Concen: 20.051 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

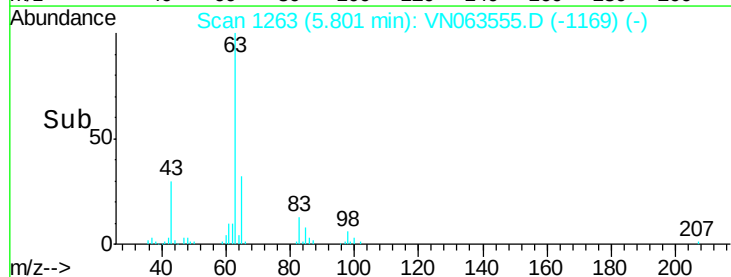
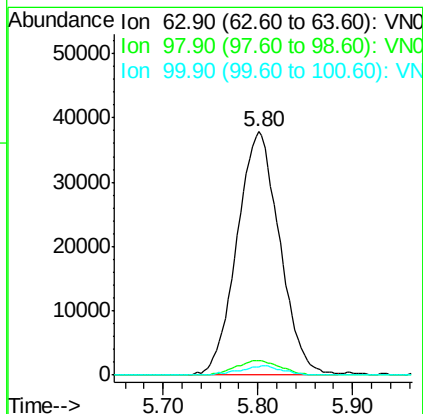
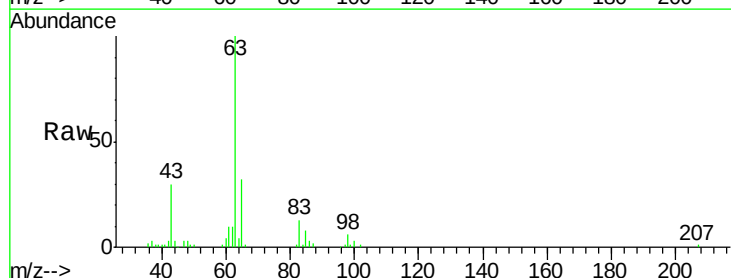
Tgt Ion: 63 Resp: 118352

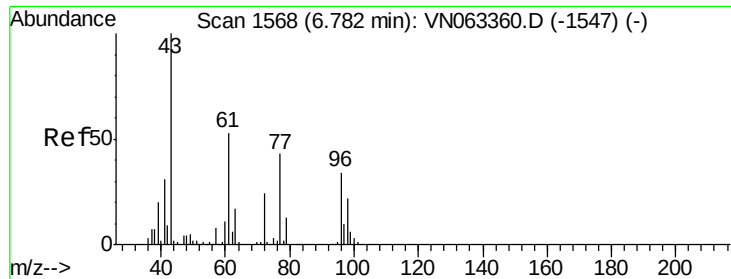
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.5 2.1 6.3





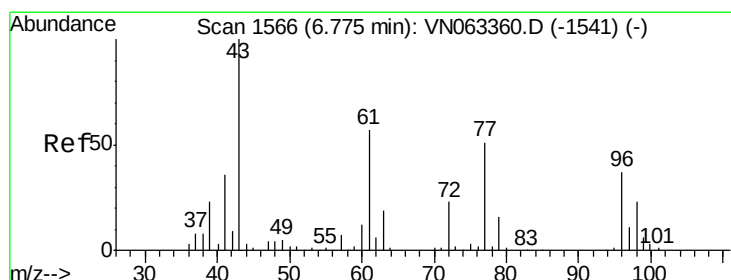
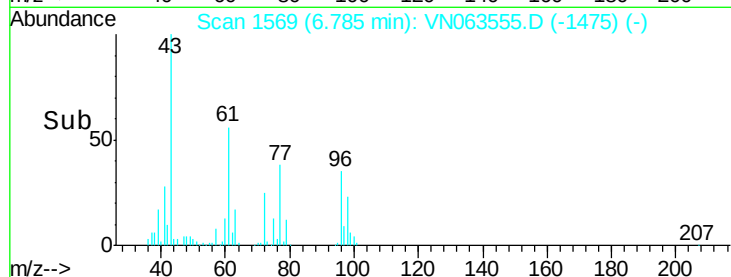
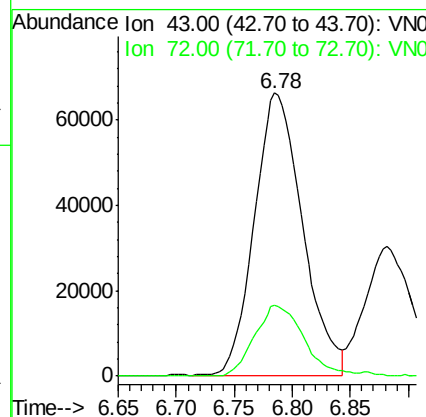
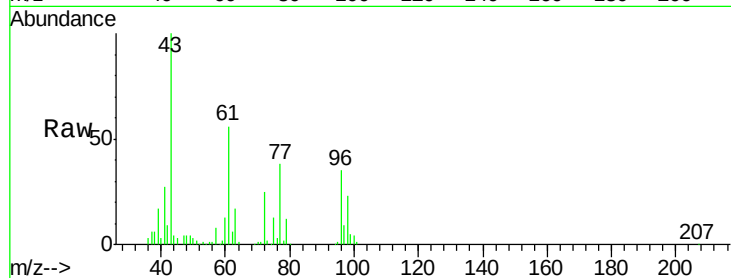
#25
2-Butanone
Concen: 95.433 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion: 43 Resp: 190689
Ion Ratio Lower Upper
43 100
72 25.3 19.2 28.8

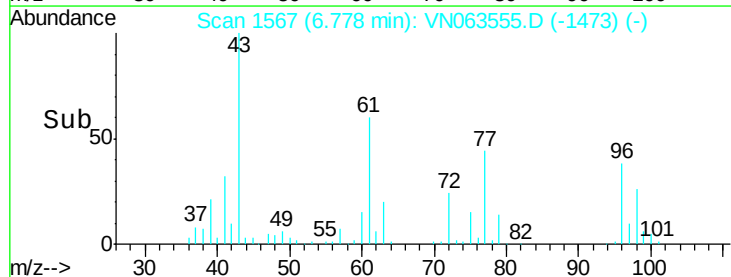
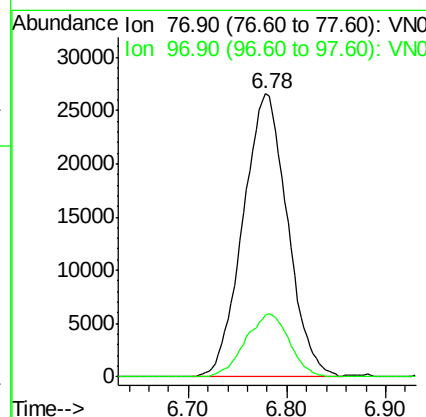
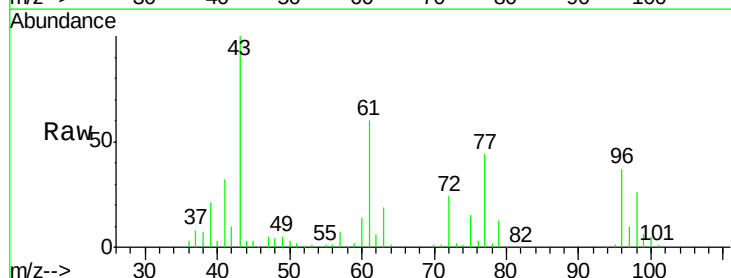
Manual Integrations
APPROVED

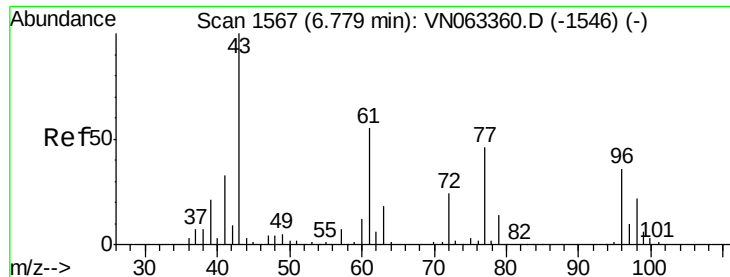
MMDadoda
9/23/2020 1:06:38 PM



#26
2,2-Dichloropropane
Concen: 15.957 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 77 Resp: 82924
Ion Ratio Lower Upper
77 100
97 21.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.384 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

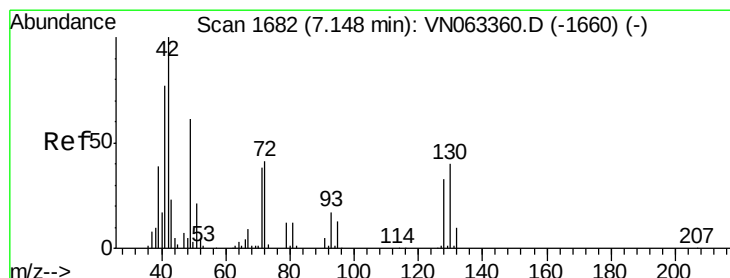
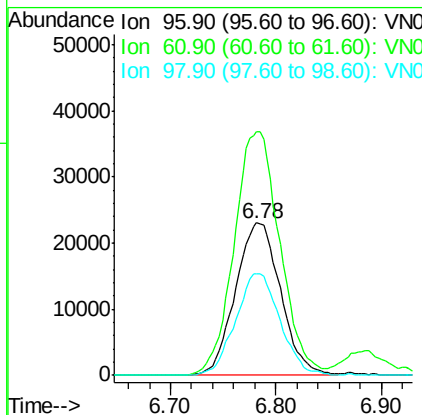
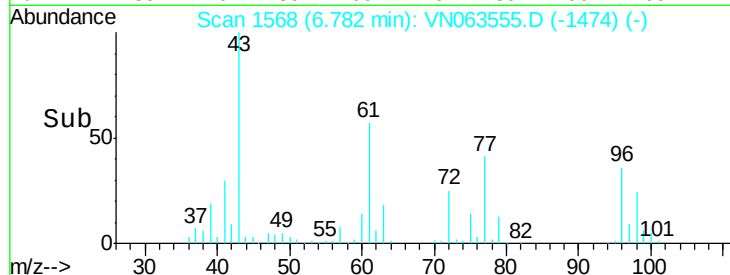
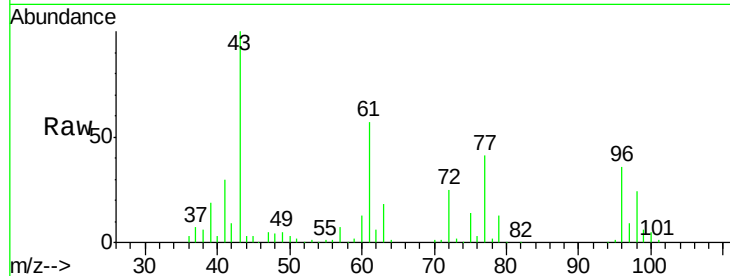
ClientSampleId :

VN0922WBS02

Tot Ion:	96	Resp:	68503
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	319.6
98	65.5	0.0	127.8

Manual Integrations
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MMDadoda
9/23/2020 1:06:38 PM



#28

Bromochloromethane

Concen: 20.481 ug/l

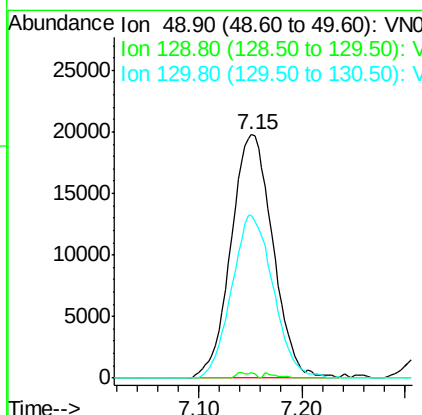
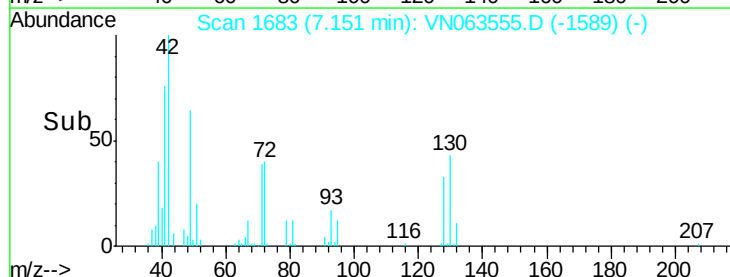
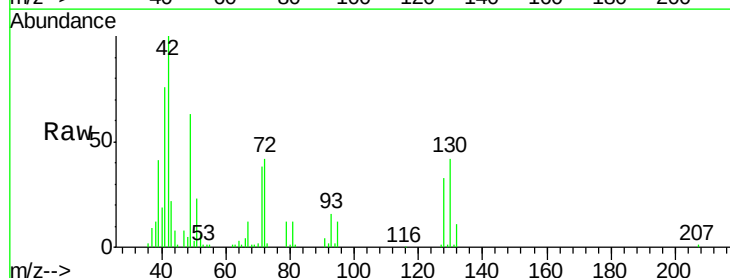
RT: 7.15 min Scan# 1683

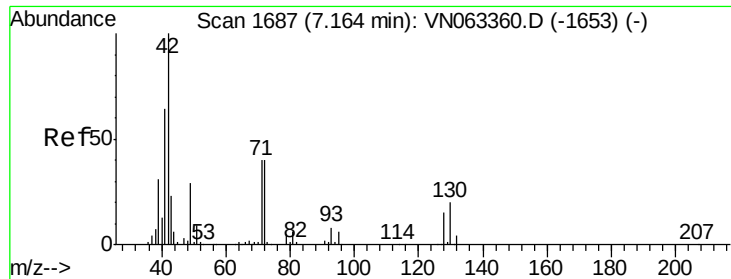
Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	49	Resp:	55817
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	66.3	52.2	78.2





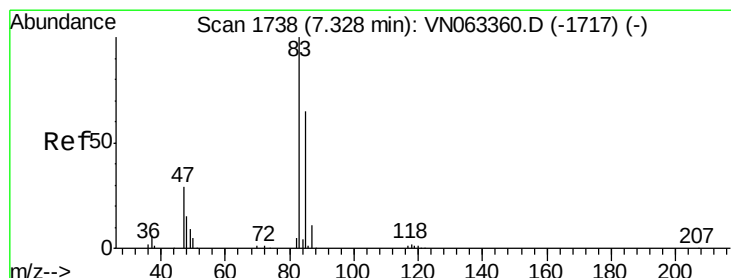
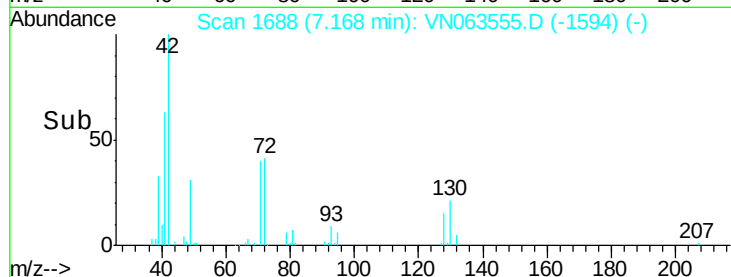
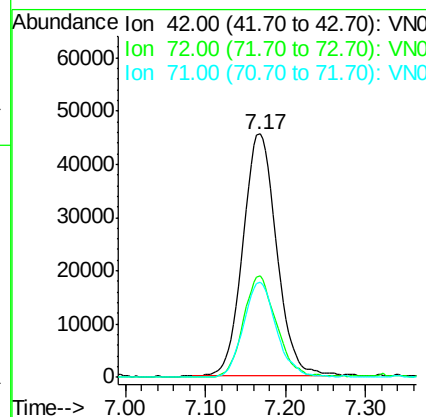
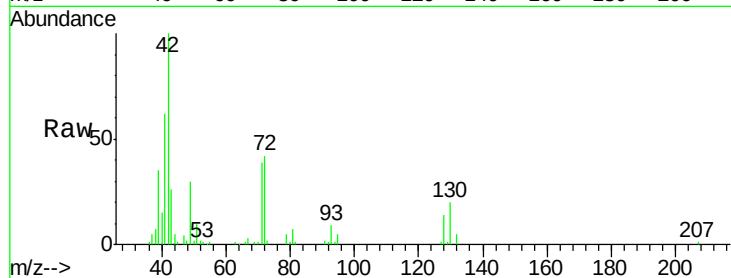
#29
Tetrahydrofuran
Concen: 95.410 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.1	48.1
71	38.2	31.2	46.8

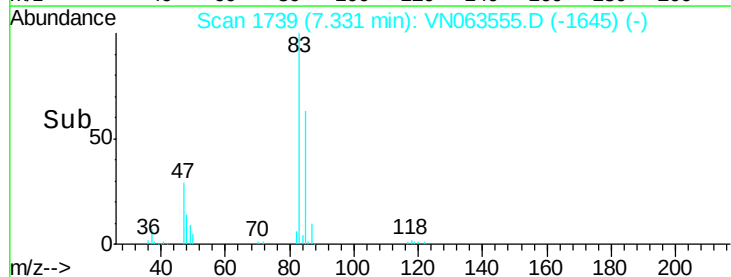
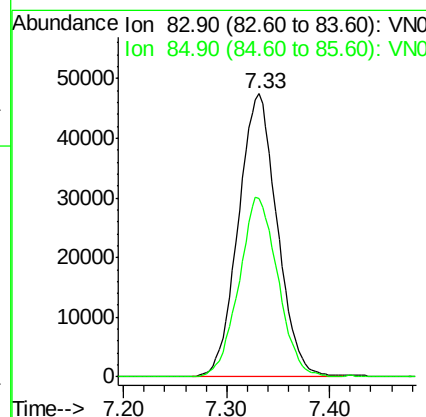
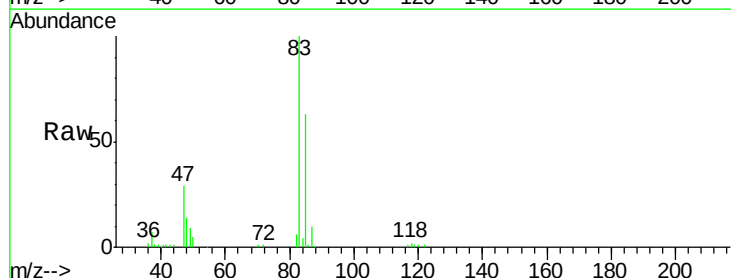
Manual Integrations
APPROVED

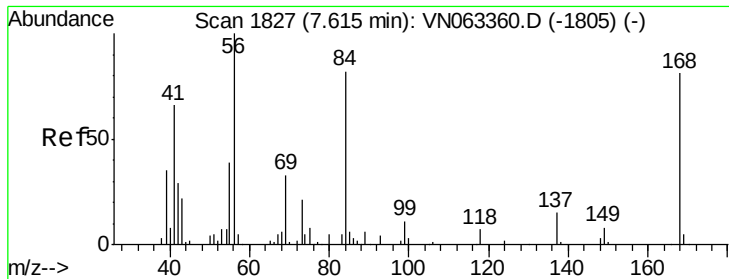
MMDadoda
9/23/2020 1:06:38 PM



#30
Chloroform
Concen: 20.937 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.1	78.1





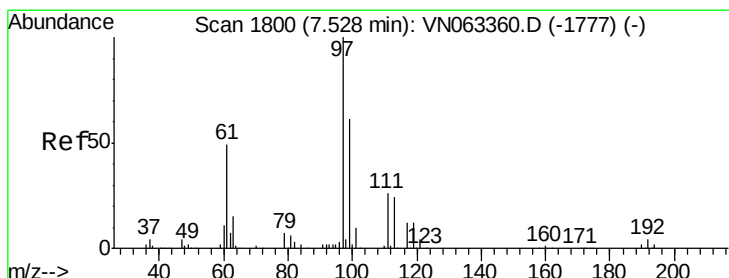
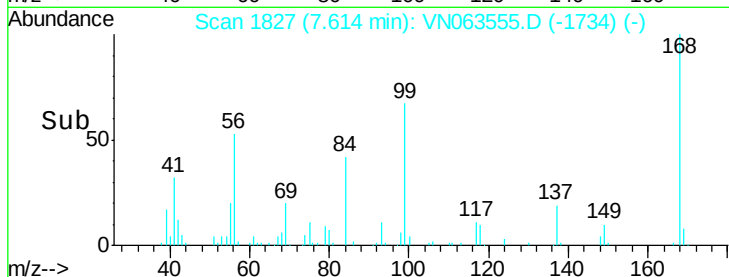
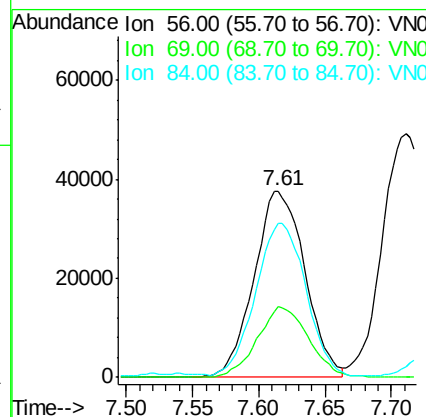
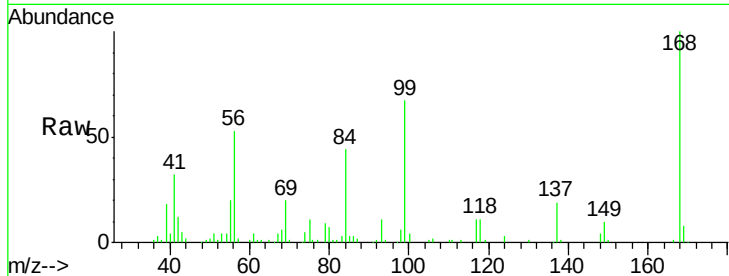
#31
Cyclohexane
Concen: 17.993 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	26.1	39.1
84	81.0	65.4	98.2

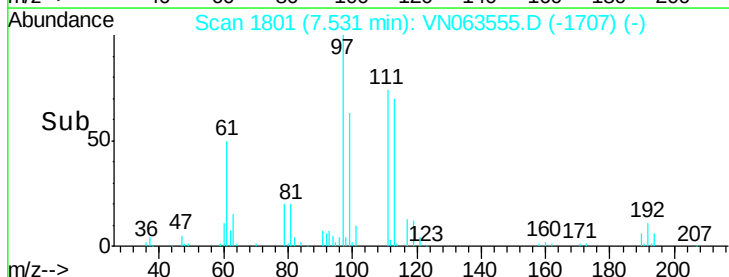
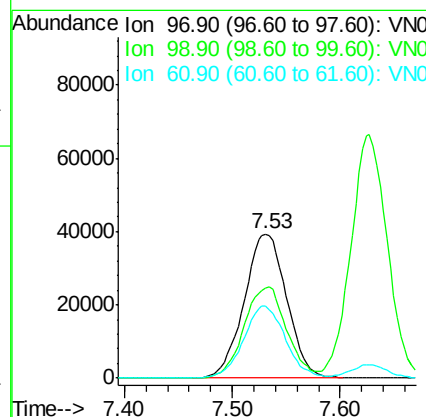
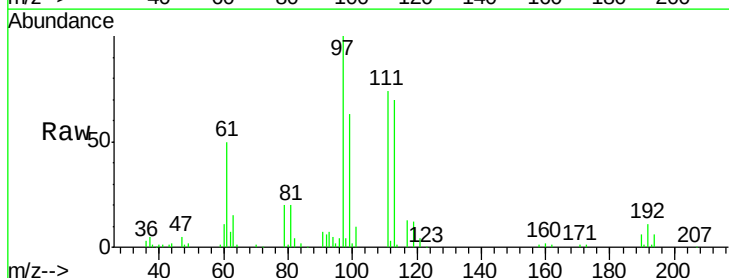
Manual Integrations
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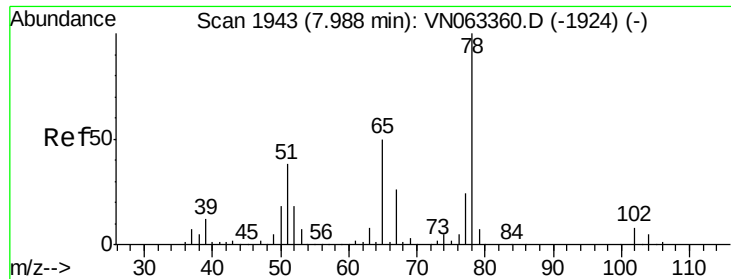
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.459 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.6	76.0
61	49.3	39.2	58.8





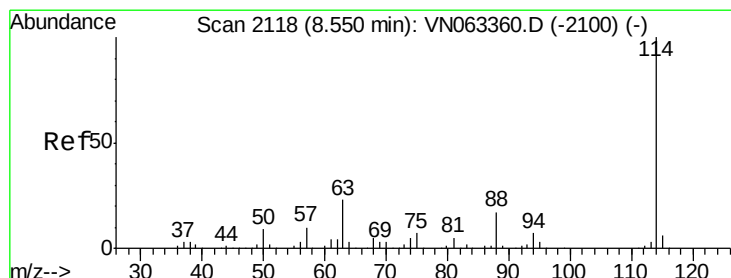
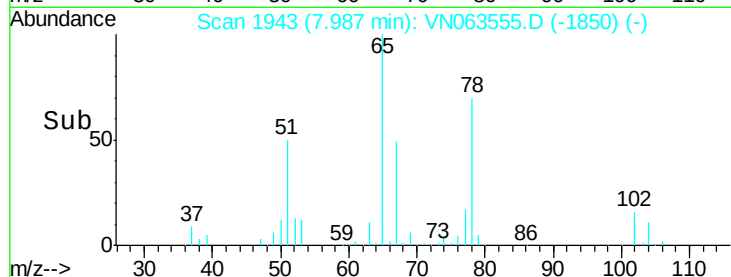
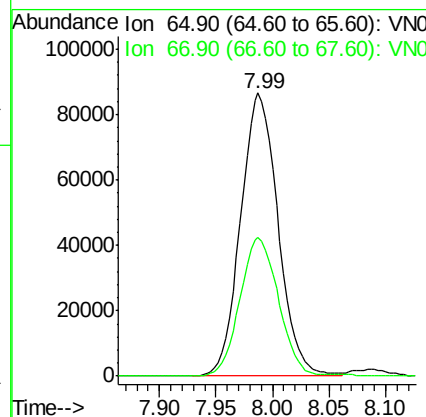
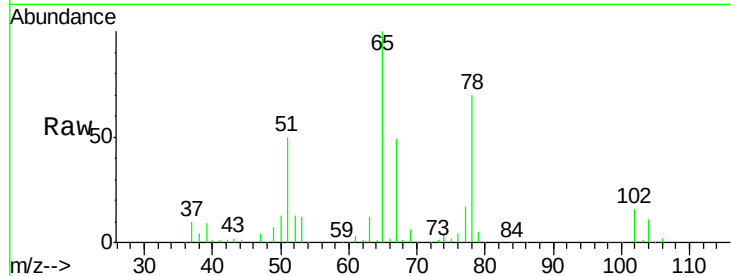
#33
 1,2-Dichloroethane-d4
 Concen: 49.438 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199853		
67	50.7	0.0	104.2	

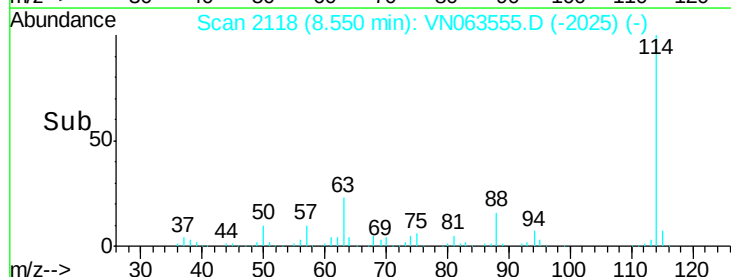
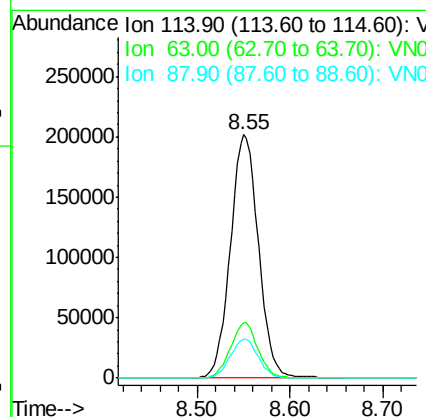
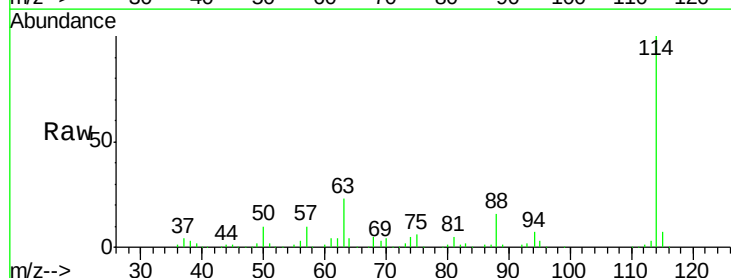
Manual Integrations
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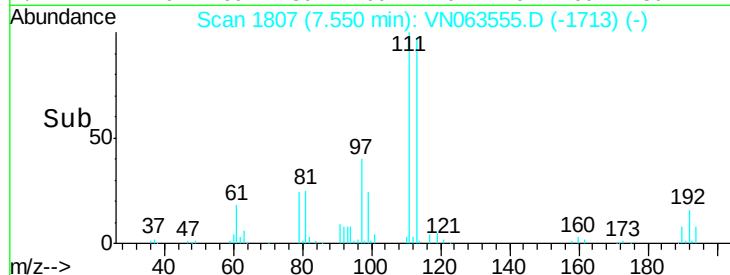
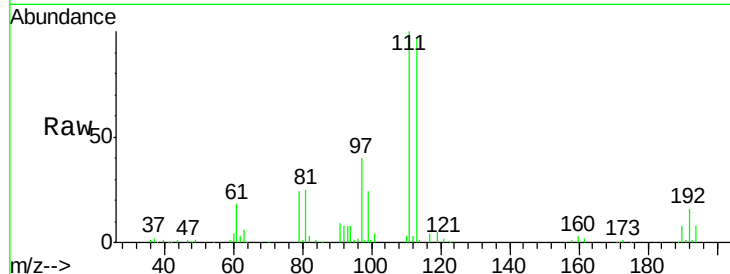
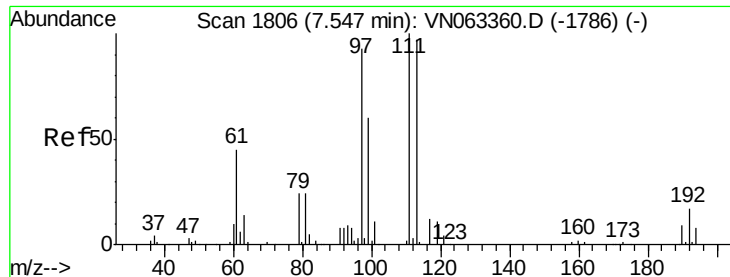
MMDadoda
 9/23/2020 1:06:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	422631		
63	23.0	0.0	46.4	
88	15.9	0.0	33.2	





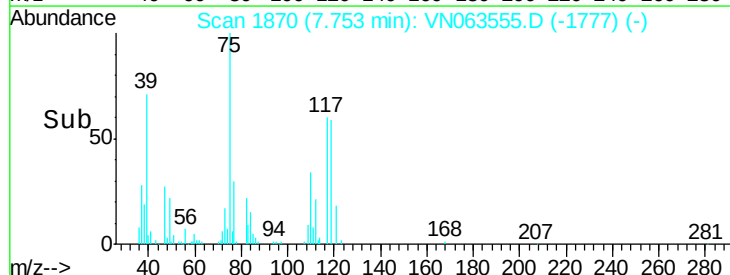
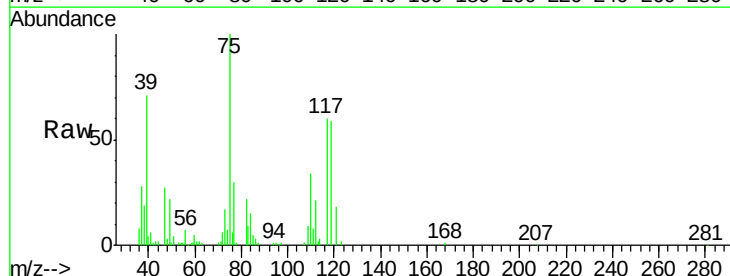
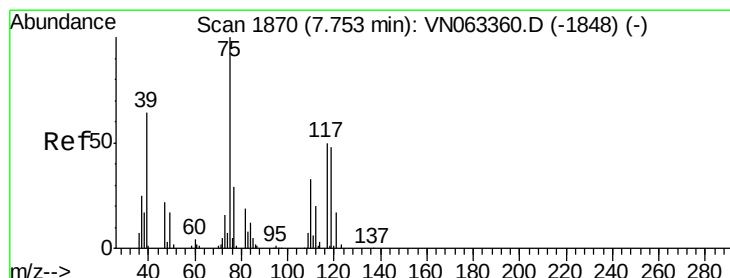
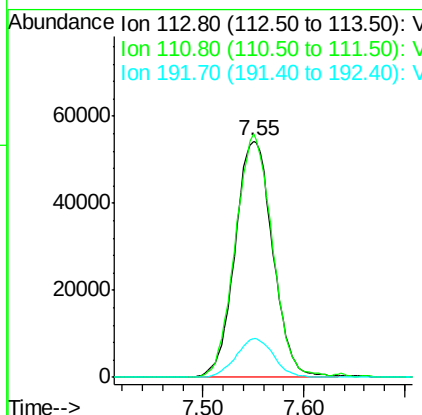
#35
Dibromofluoromethane
Concen: 48.099 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tot Ion	113	Resp	140728
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.9	124.3
192	16.4	13.9	20.9

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

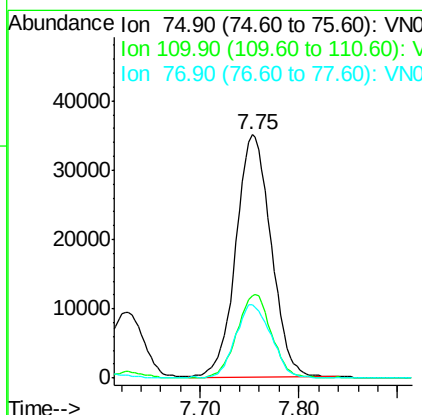
Manual Integrations
APPROVED

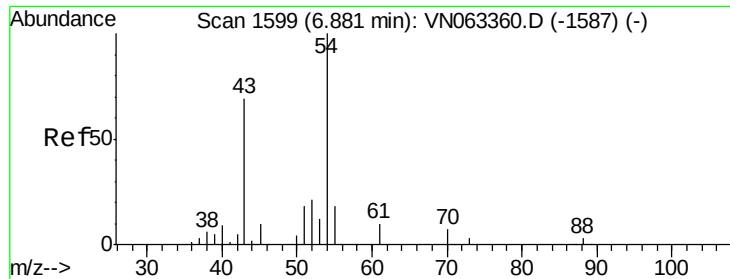
MMDadoda
9/23/2020 1:06:38 PM



#36
1,1-Dichloropropene
Concen: 19.231 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	75	Resp	86589
Ion Ratio	Lower	Upper	
75	100		
110	33.8	16.5	49.5
77	30.8	24.6	36.8





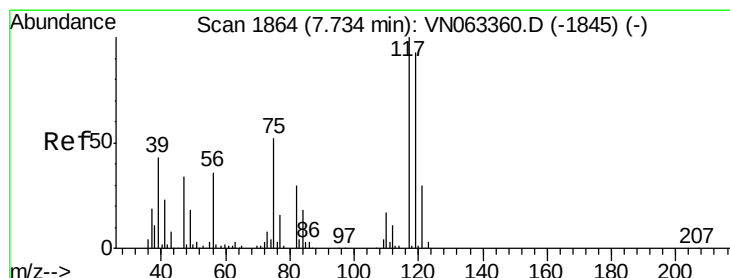
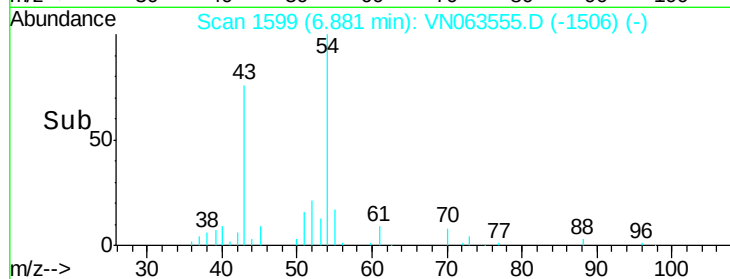
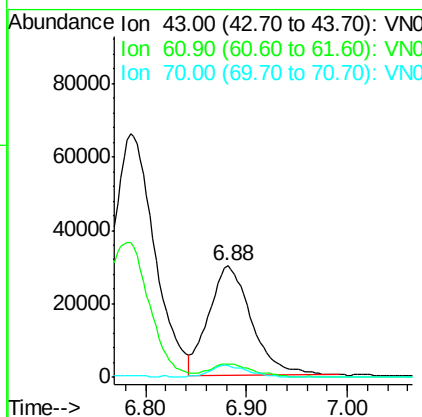
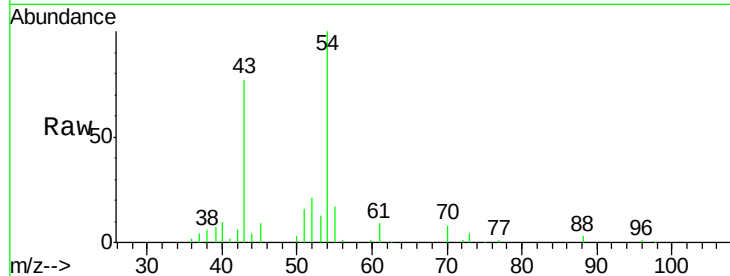
#37
Ethyl Acetate
Concen: 20.005 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	43	61	70
Resp	88404		
Ratio	100	7.4	9.6
Lower		10.6	7.2
Upper		15.8#	10.8

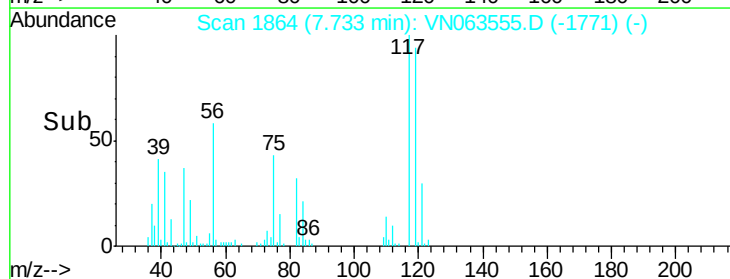
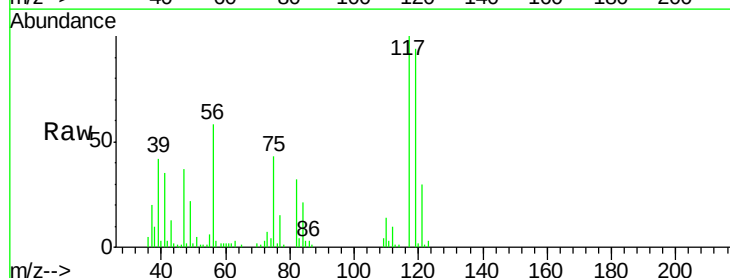
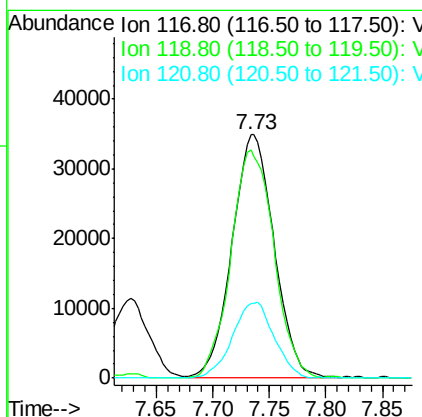
Manual Integrations
APPROVED

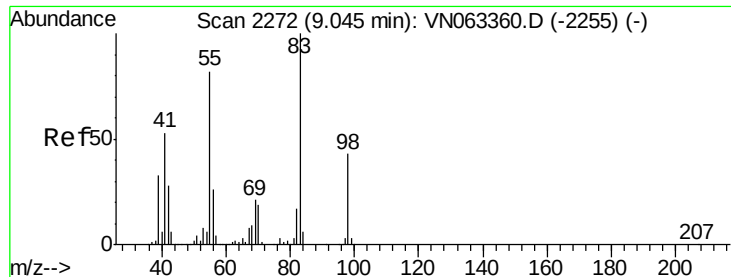
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9/23/2020 1:06:38 PM



#38
Carbon Tetrachloride
Concen: 19.659 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	117	119	121
Resp	90357		
Ratio	100	93.6	30.5
Lower		74.5	24.1
Upper		111.7	36.1





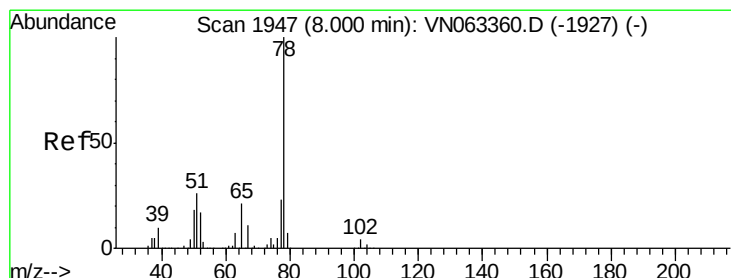
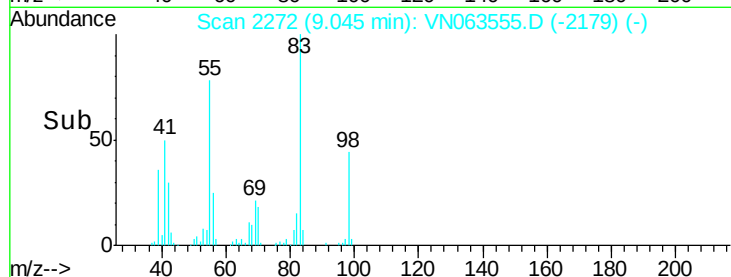
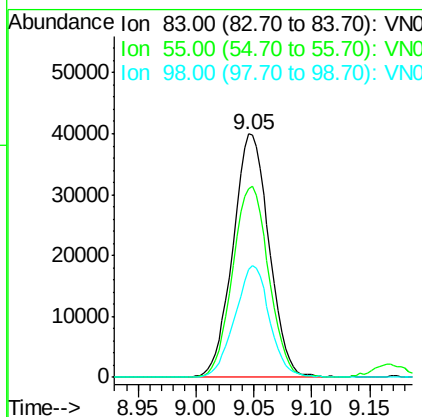
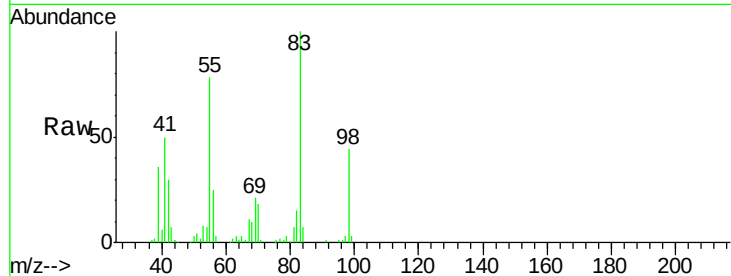
#39
Methylvlcyclohexane
Concen: 17.739 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS02

Tot Ion	83	Resp	86683
Ion Ratio	Lower	Upper	
83	100		
55	77.7	65.5	98.3
98	44.2	34.2	51.4

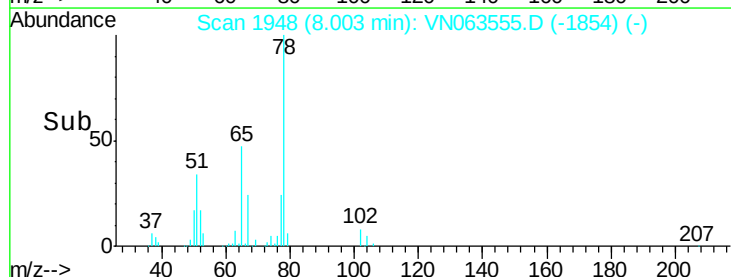
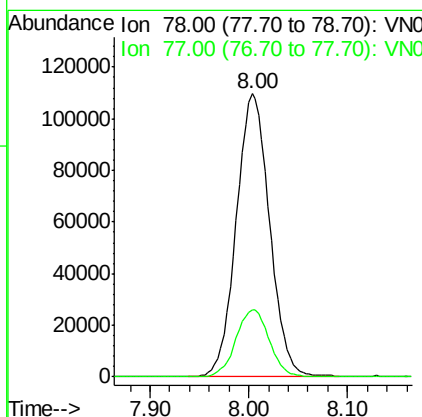
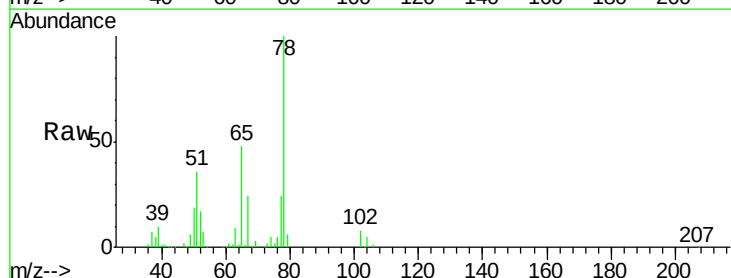
Manual Integrations
APPROVED

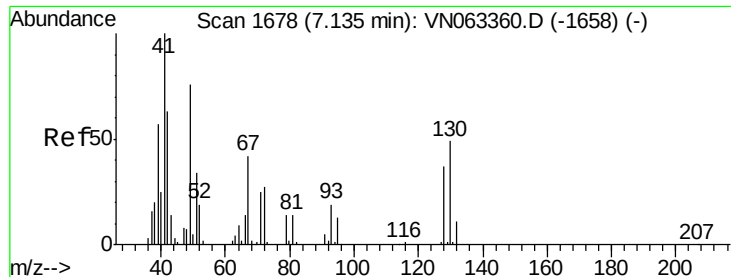
MMDadoda
9/23/2020 1:06:38 PM



#40
Benzene
Concen: 19.991 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	78	Resp	256950
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.3	27.5





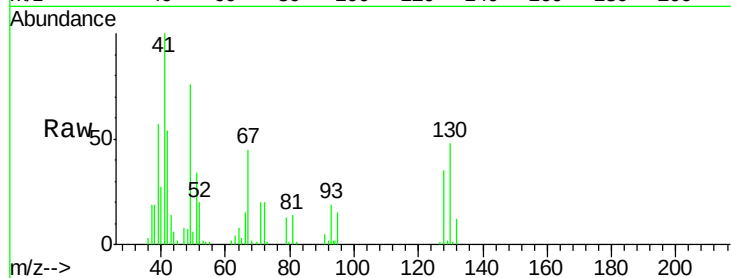
#41
Methacrylonitrile
Concen: 19.599 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	99.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:06:38 PM

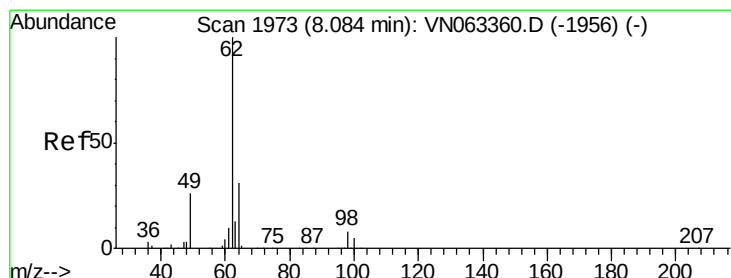
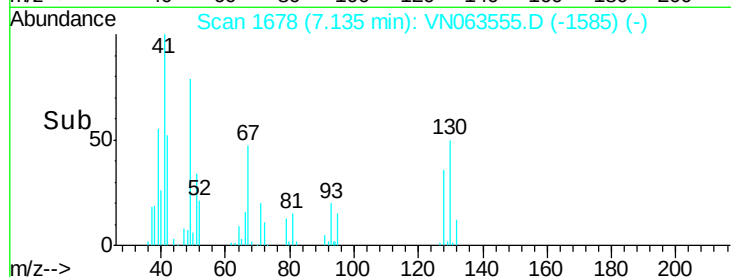
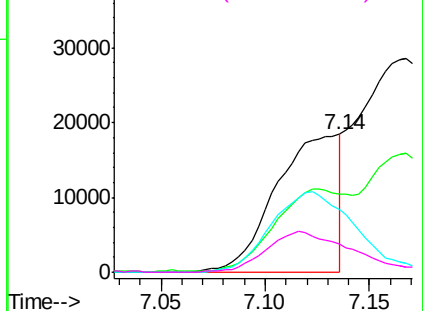


Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-1658) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-1658) (-)

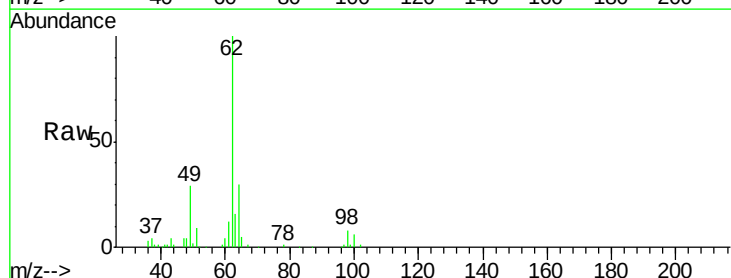
Ion 67.00 (66.70 to 67.70): VN063360.D (-1658) (-)

Ion 52.00 (51.70 to 52.70): VN063360.D (-1658) (-)



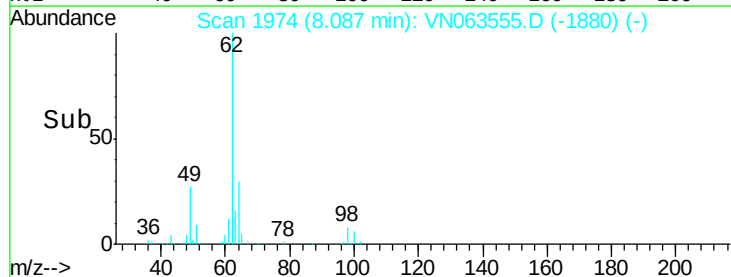
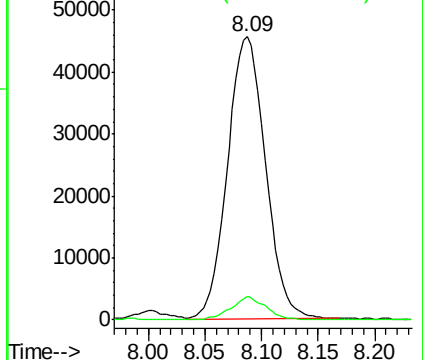
#42
1,2-Dichloroethane
Concen: 20.664 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

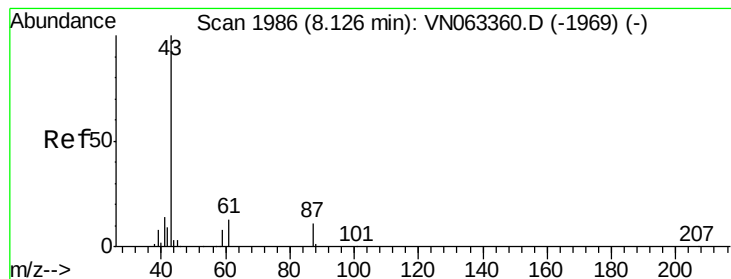
Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	7.5	0.0	15.6



Abundance Ion 61.90 (61.60 to 62.60): VN063360.D (-1956) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1956) (-)





#43

Isopropyl Acetate

Concen: 18.562 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

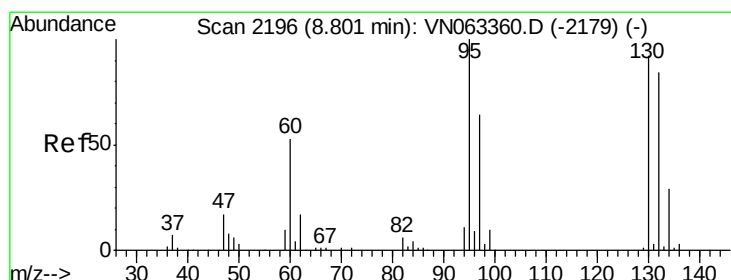
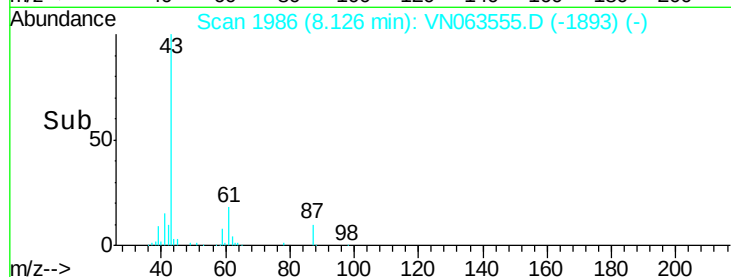
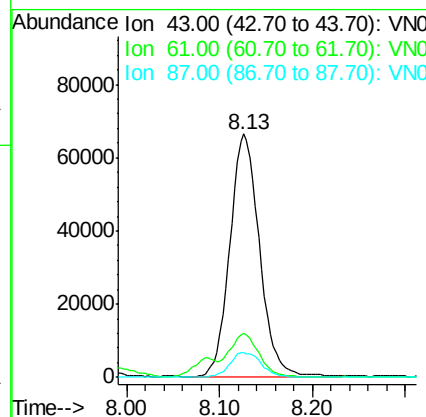
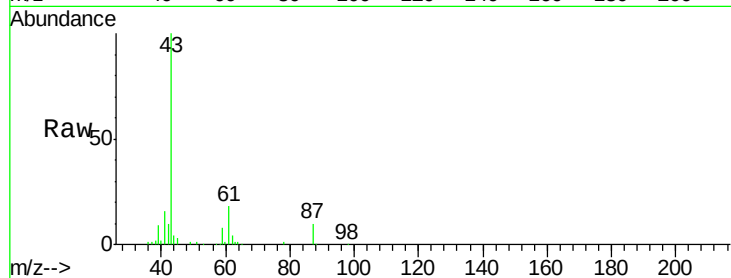
ClientSampleId :

VN0922WBS02

Tot Ion:	43	Resp:	146672
Ion	Ratio	Lower	Upper
43	100		
61	17.6	14.2	21.2
87	10.9	9.0	13.6

Manual Integrations
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9/23/2020 1:06:38 PM



#44

Trichloroethene

Concen: 20.333 ug/l

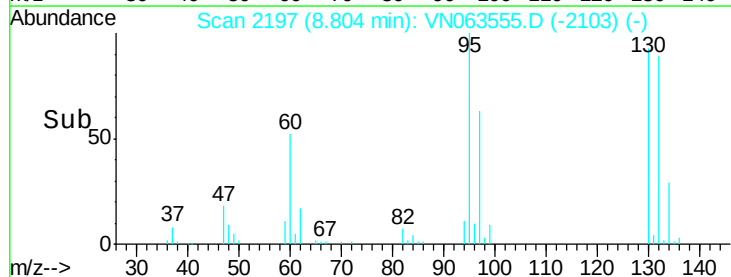
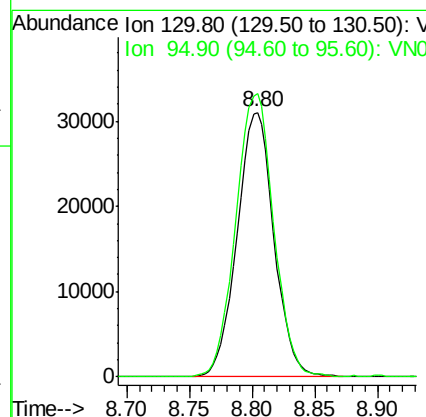
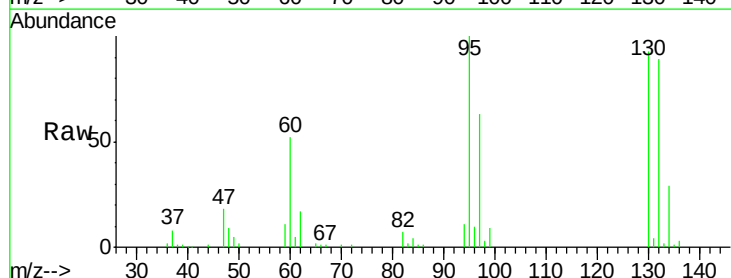
RT: 8.80 min Scan# 2197

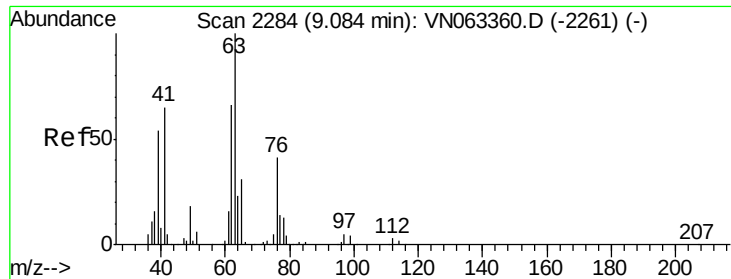
Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	130	Resp:	63388
Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	217.4





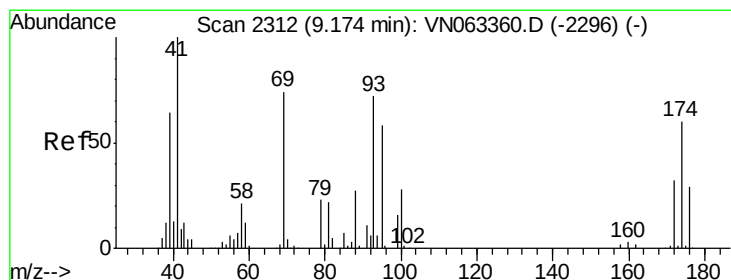
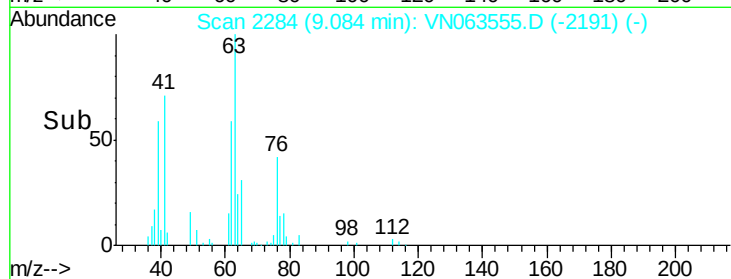
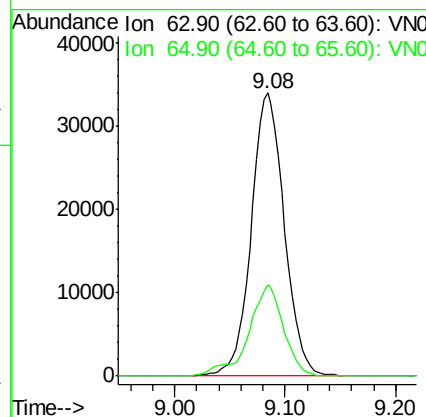
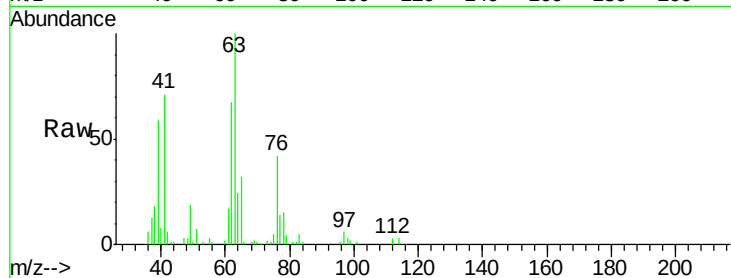
#45
 1,2-Dichloropropane
 Concen: 20.077 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.0	37.6

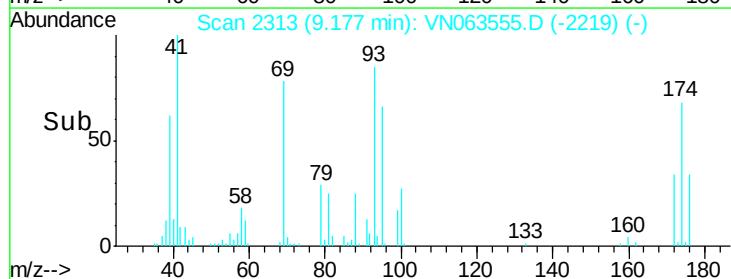
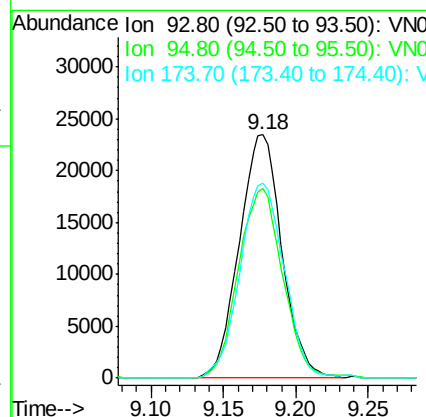
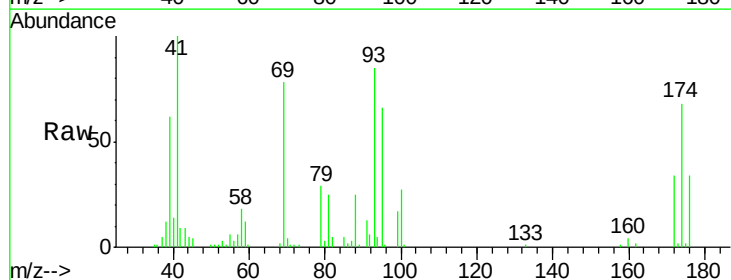
Manual Integrations
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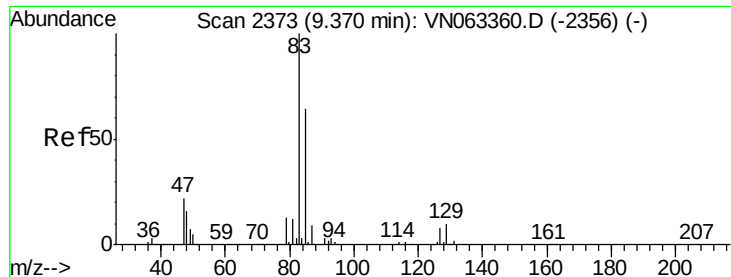
MMDadoda
 9/23/2020 1:06:38 PM



#46
 Dibromomethane
 Concen: 20.851 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.6	98.4
174	83.3	68.1	102.1





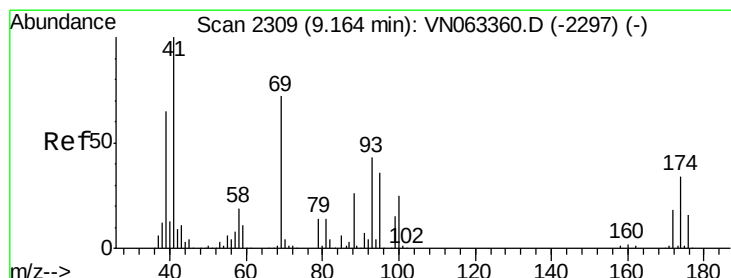
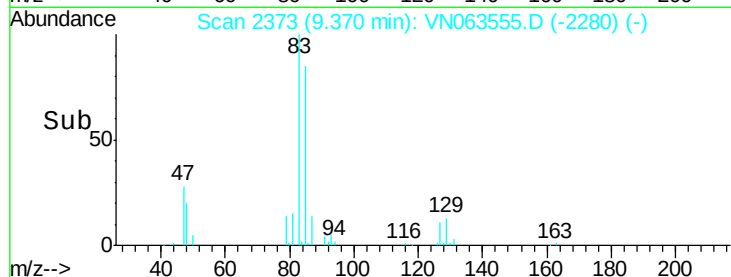
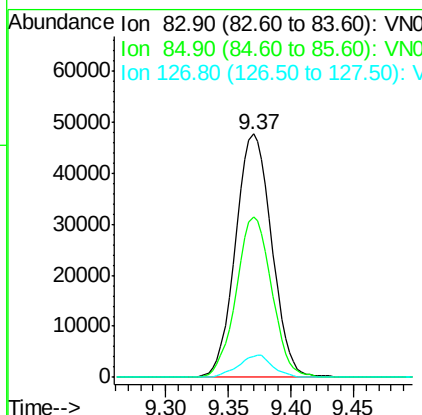
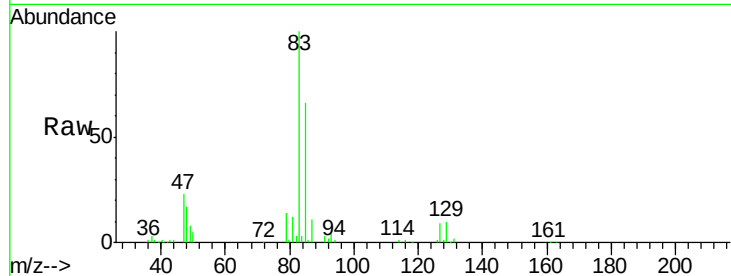
#47
Bromodichloromethane
Concen: 20.032 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	83	Resp	95751
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.0	76.6
127	8.8	6.3	9.5

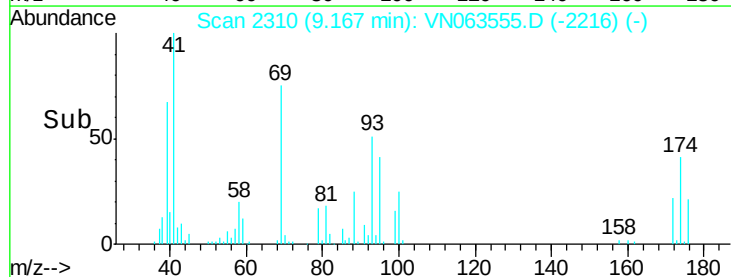
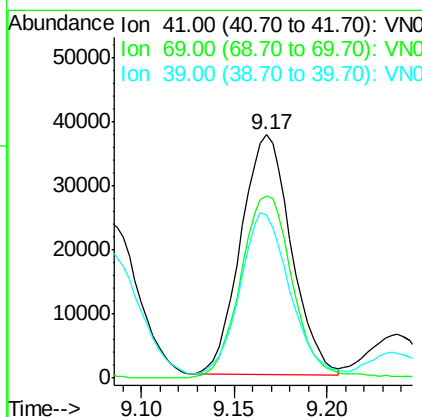
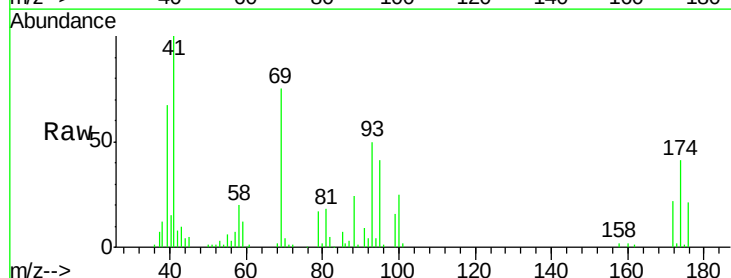
Manual Integrations
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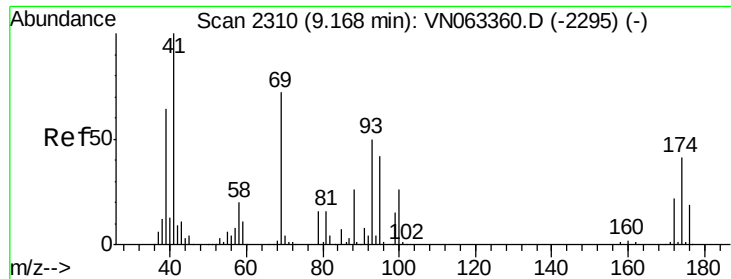
MMDadoda
9/23/2020 1:06:38 PM



#48
Methyl methacrylate
Concen: 18.314 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	41	Resp	71098
Ion Ratio	100	Lower	Upper
41	100		
69	78.7	59.3	88.9
39	67.5	52.9	79.3





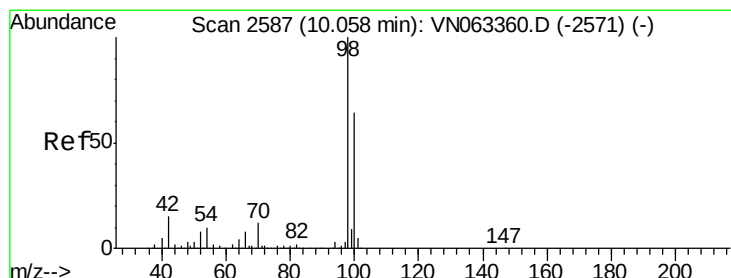
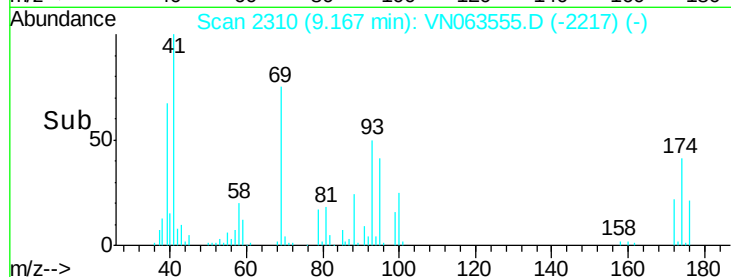
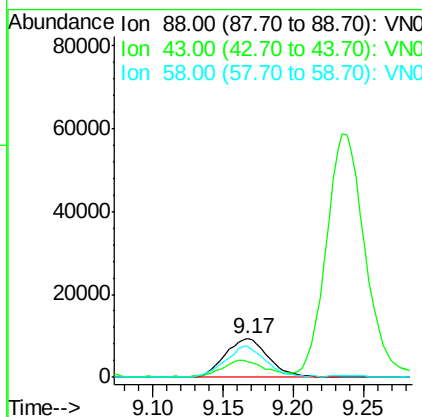
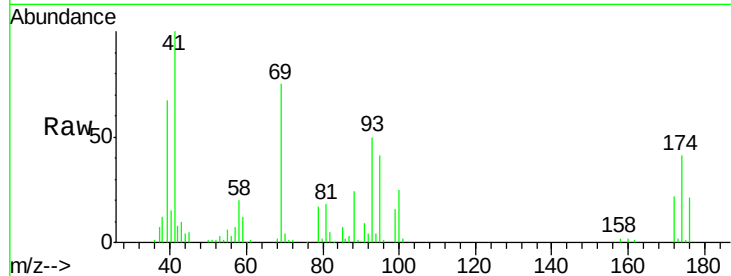
#49
 1,4-Dioxane
 Concen: 360.052 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.5	32.6	49.0	
58	75.7	60.0	90.0	

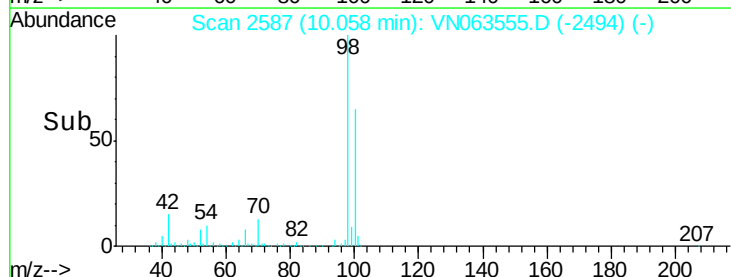
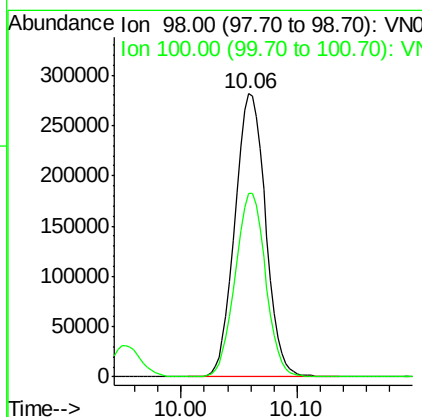
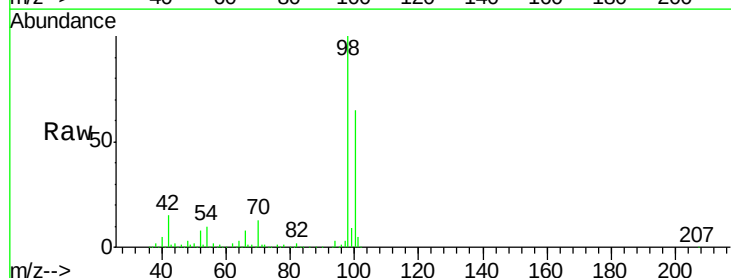
Manual Integrations
 APPROVED

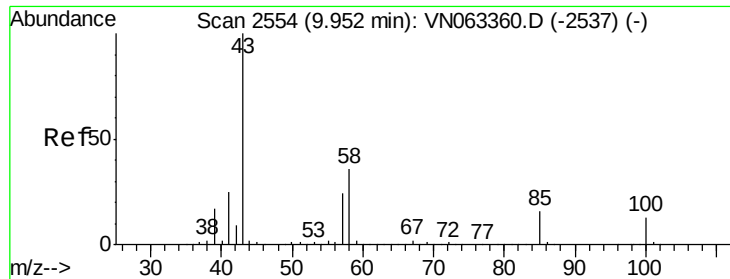
MMDadoda
 9/23/2020 1:06:38 PM



#50
 Toluene-d8
 Concen: 46.984 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.0	50.7	76.1	





#51

4-Methyl-2-Pentanone

Concen: 97.878 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 43 Resp: 432976

Ion Ratio Lower Upper

43 100

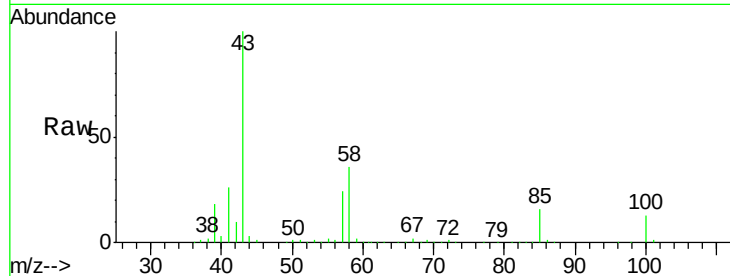
58 35.8 29.0 43.6

Manual Integrations

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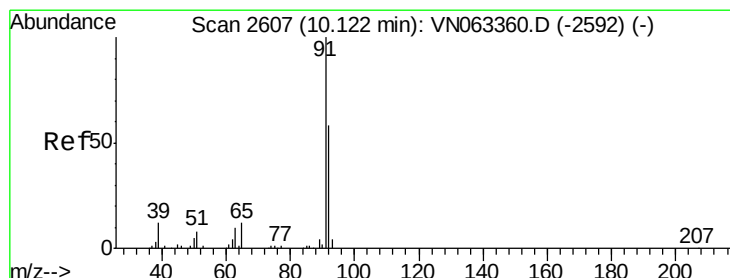
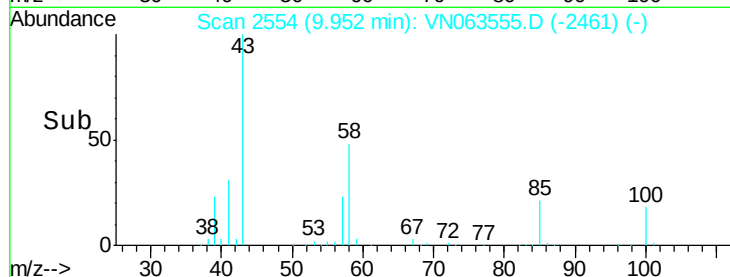
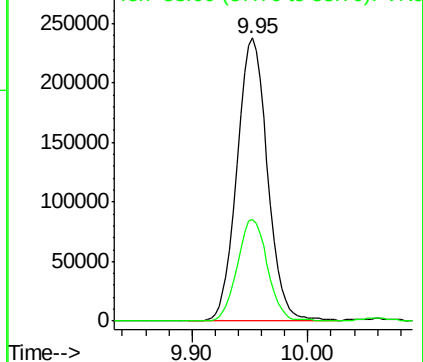
MMDadoda

9/23/2020 1:06:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.549 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063555.D

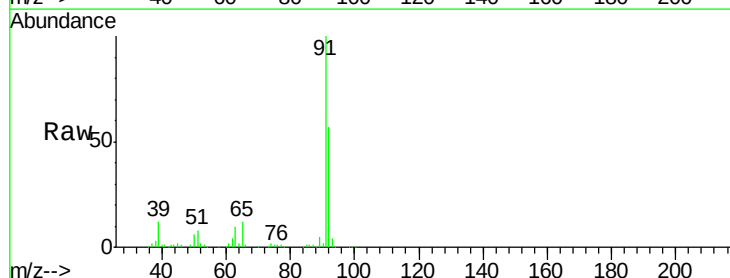
Acq: 23 Sep 2020 1:16

Tgt Ion: 92 Resp: 158793

Ion Ratio Lower Upper

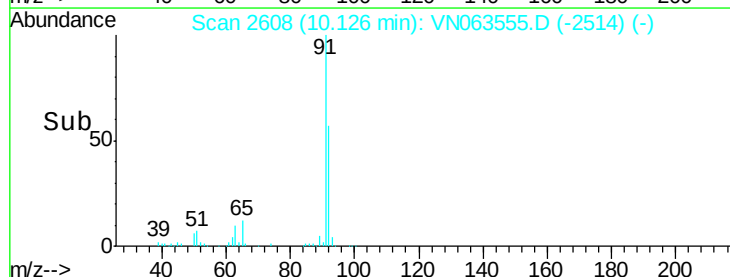
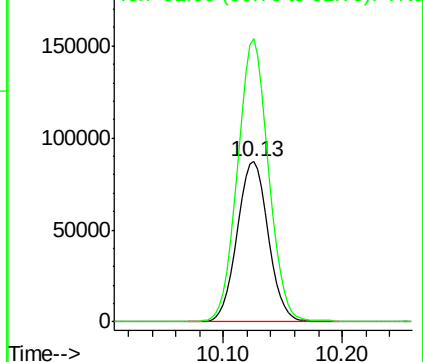
92 100

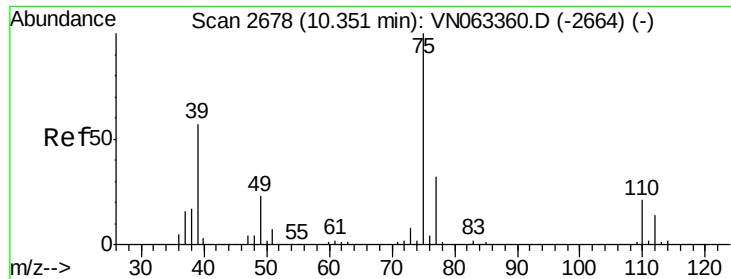
91 174.4 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





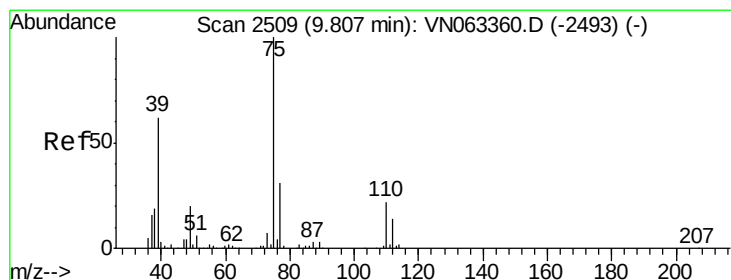
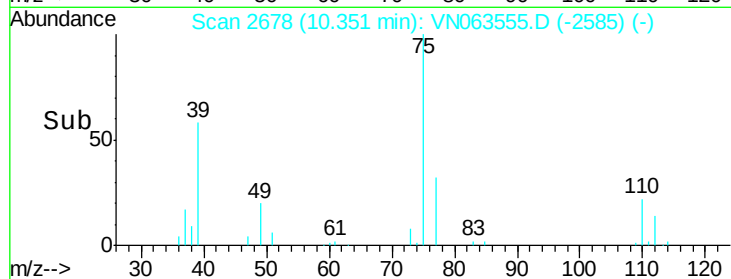
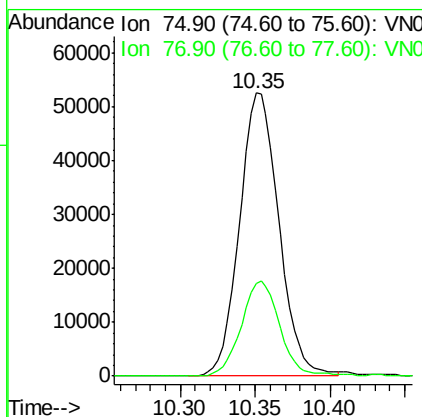
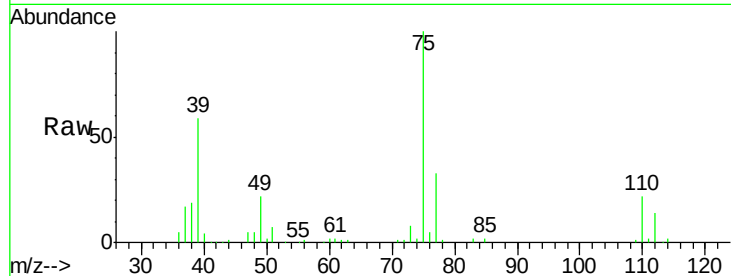
#53
t-1,3-Dichloropropene
Concen: 18.029 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion: 75 Resp: 96207
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2

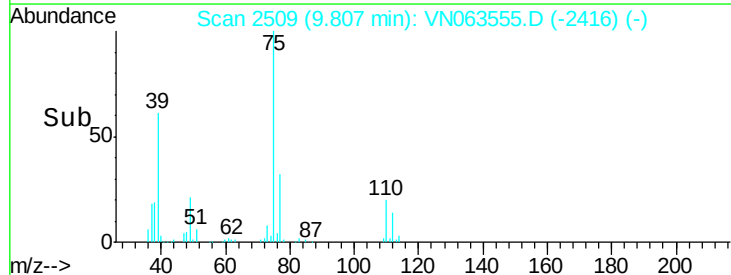
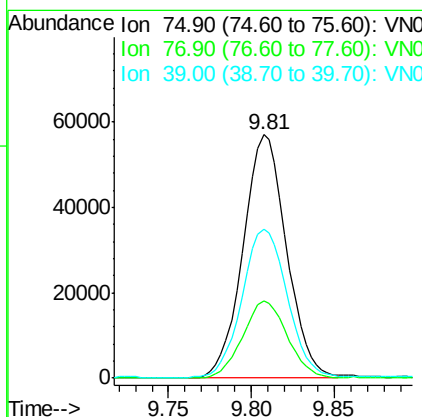
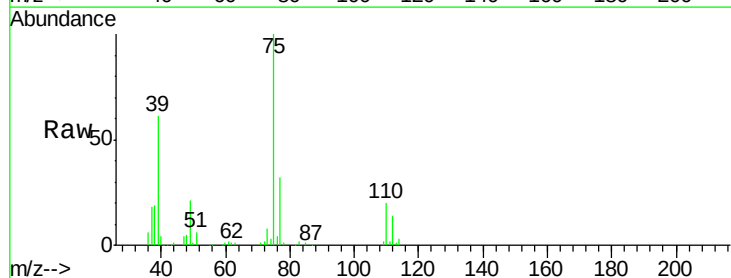
Manual Integrations
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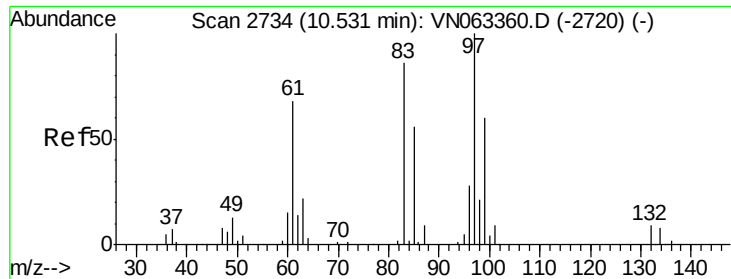
MMDadoda
9/23/2020 1:06:38 PM



#54
cis-1,3-Dichloropropene
Concen: 18.462 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 75 Resp: 103917
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0
39 60.8 49.8 74.8





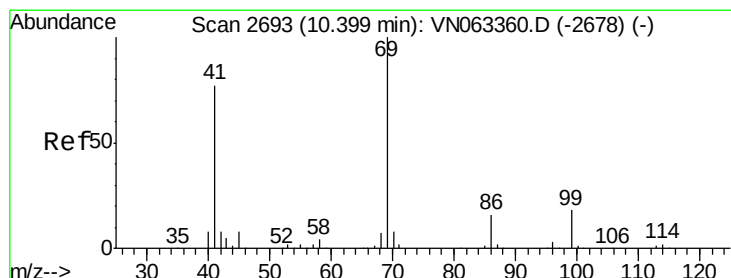
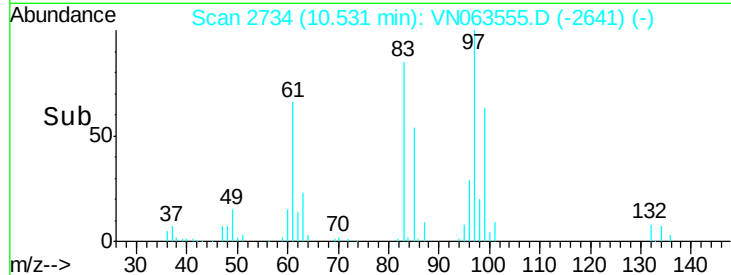
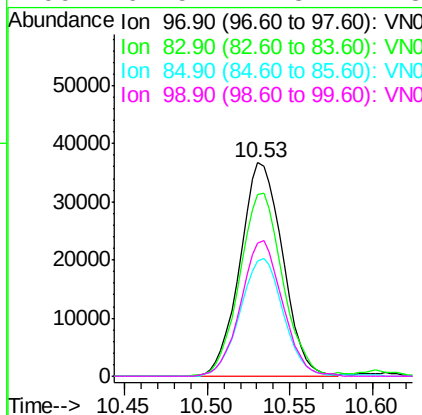
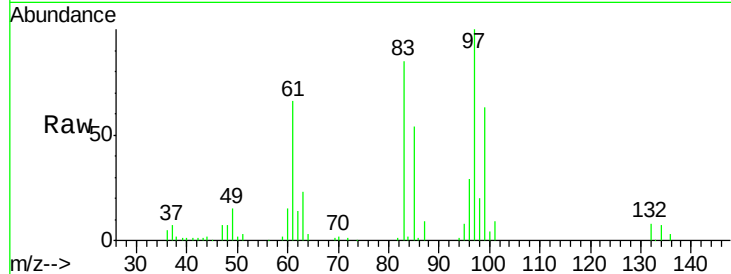
#55
 1,1,2-Trichloroethane
 Concen: 21.474 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0922WBS02

Tot Ion:	97	Resp:	65914
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.9	103.3
85	54.1	44.8	67.2
99	62.5	47.8	71.8

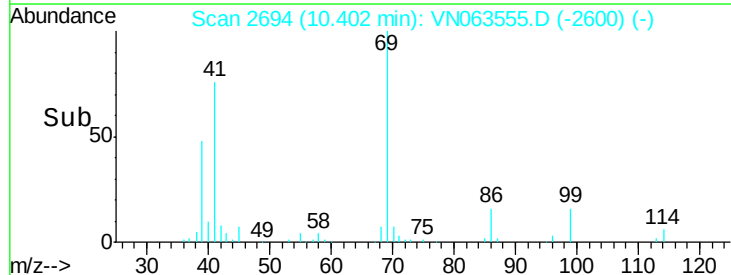
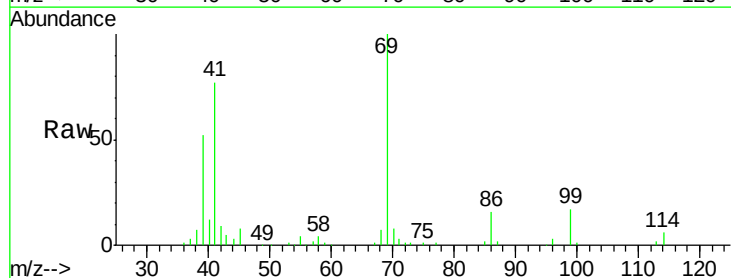
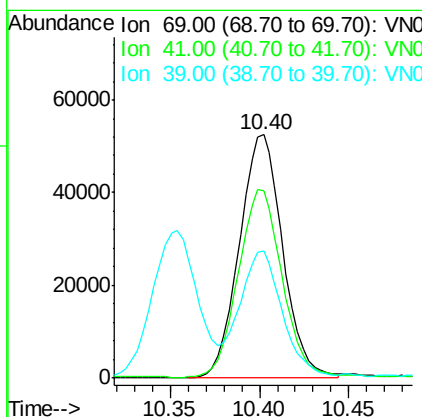
Manual Integrations
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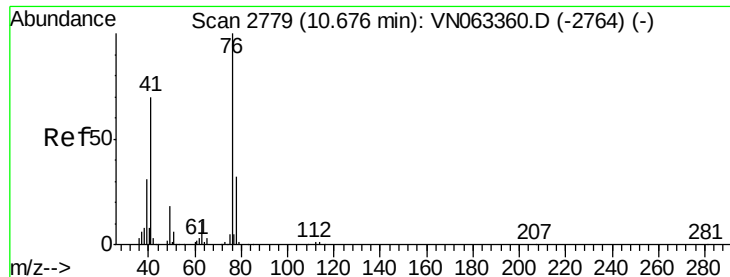
MMDadoda
 9/23/2020 1:06:38 PM



#56
 Ethyl methacrylate
 Concen: 18.619 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion:	69	Resp:	89217
Ion	Ratio	Lower	Upper
69	100		
41	78.2	61.0	91.6
39	49.9	39.2	58.8





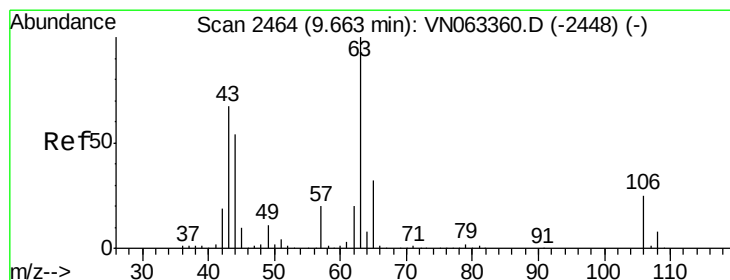
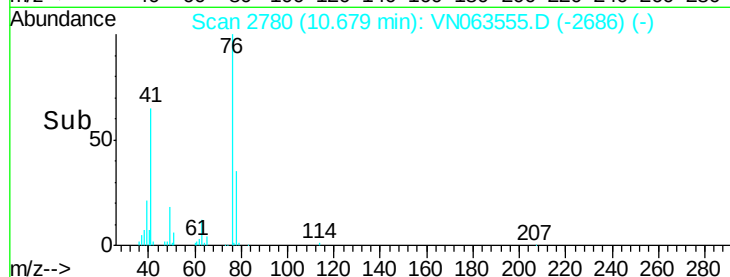
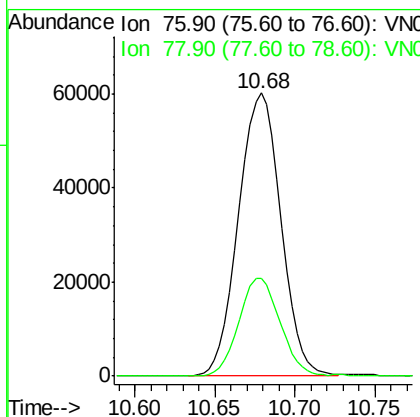
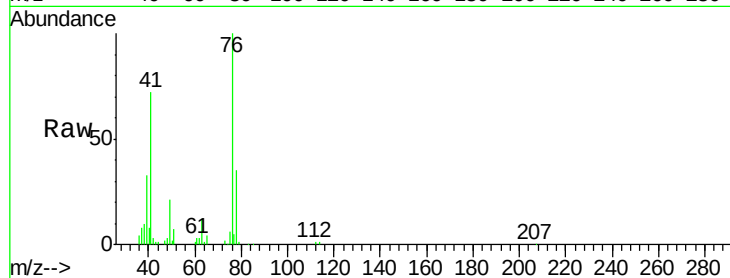
#57
 1,3-Dichloropropane
 Concen: 19.675 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	25.8	38.8

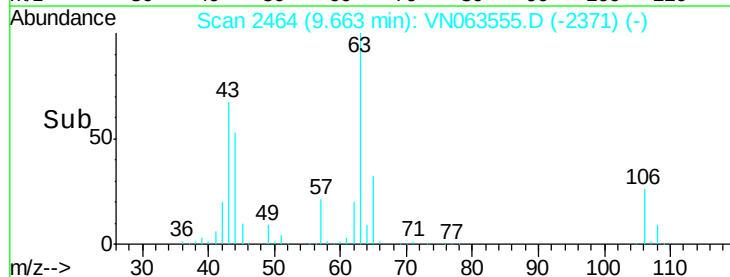
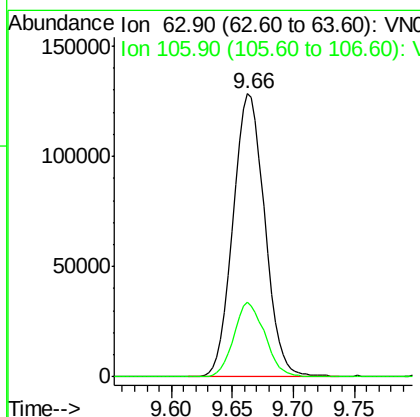
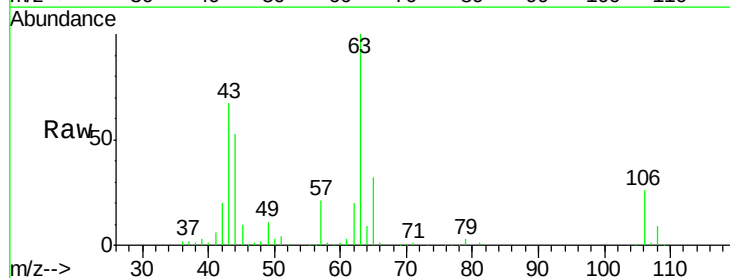
Manual Integrations
 APPROVED

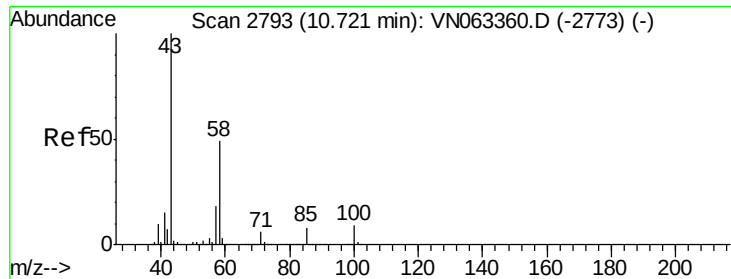
MMDadoda
 9/23/2020 1:06:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.456 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	19.5	29.3





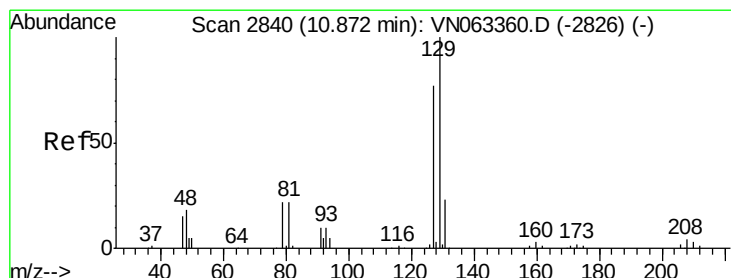
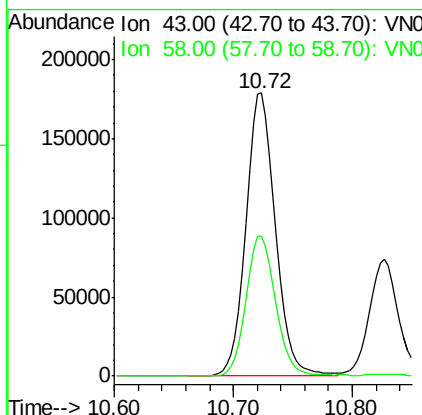
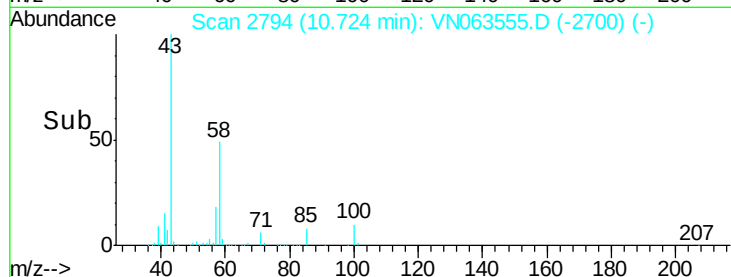
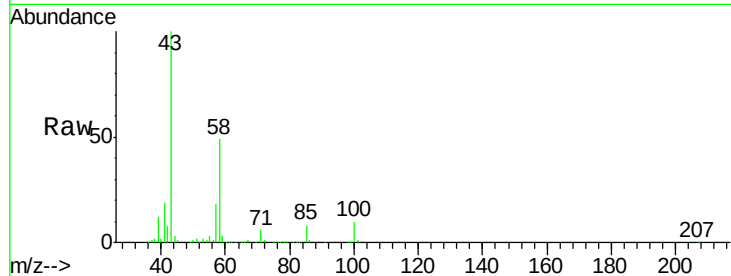
#59
2-Hexanone
Concen: 95.377 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion: 43 Resp: 305665
Ion Ratio Lower Upper
43 100
58 49.9 24.7 74.1

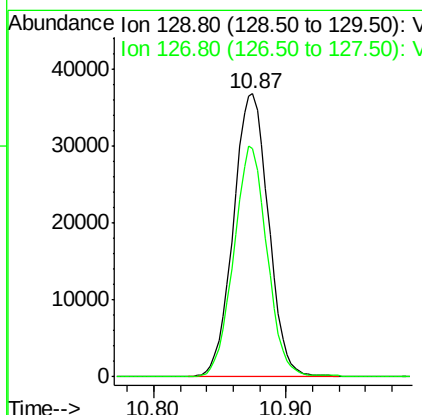
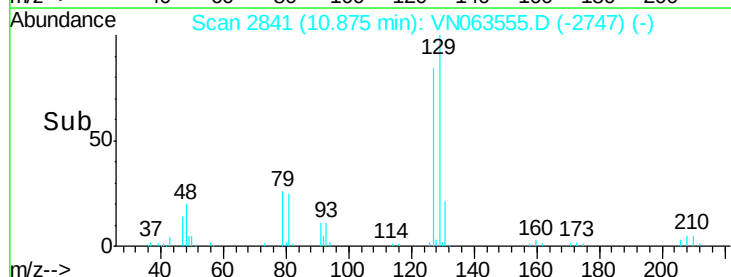
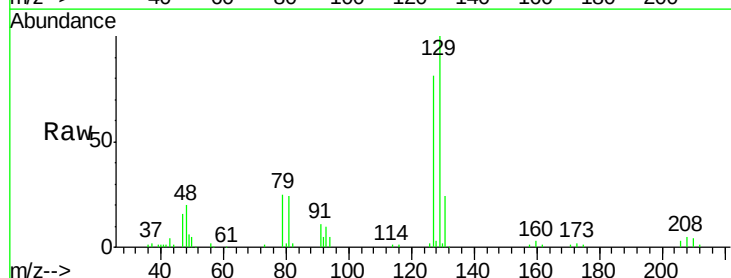
Manual Integrations
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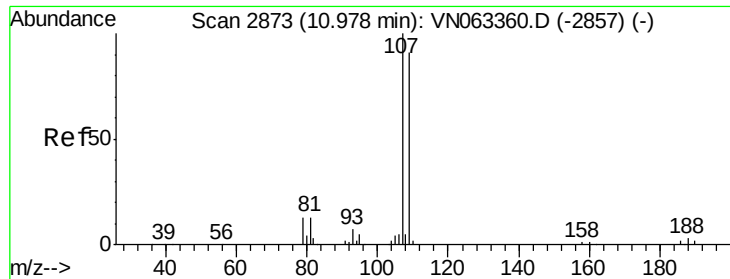
MMDadoda
9/23/2020 1:06:38 PM



#60
Dibromochloromethane
Concen: 19.574 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 129 Resp: 67877
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3





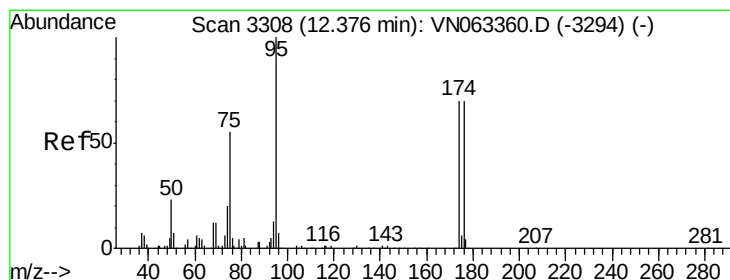
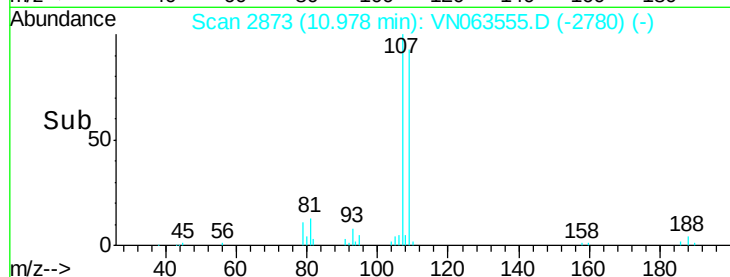
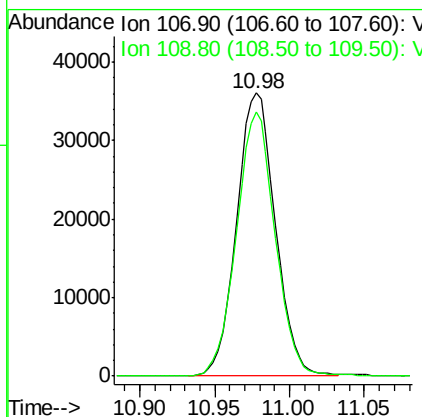
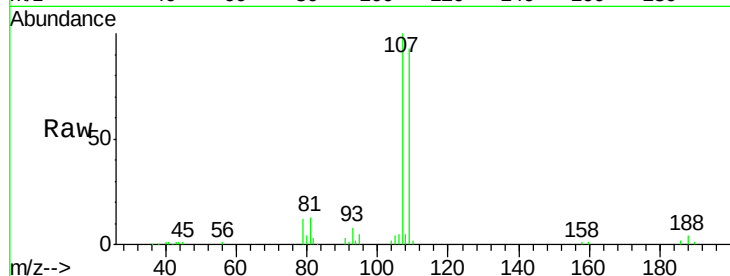
#61
 1,2-Dibromoethane
 Concen: 20.405 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.6	111.8

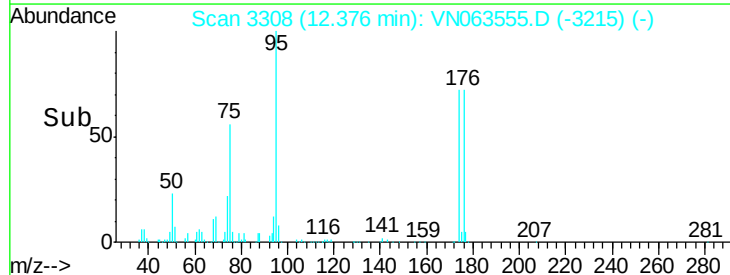
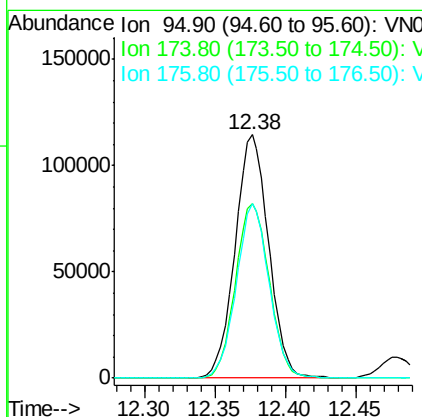
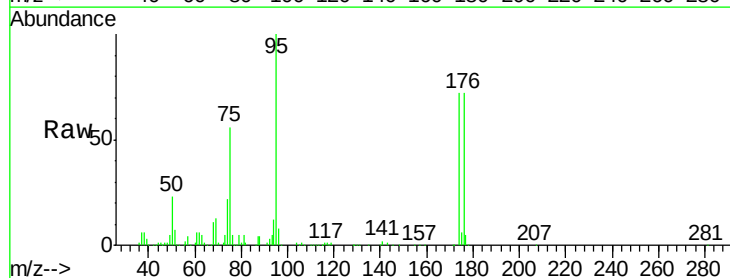
Manual Integrations
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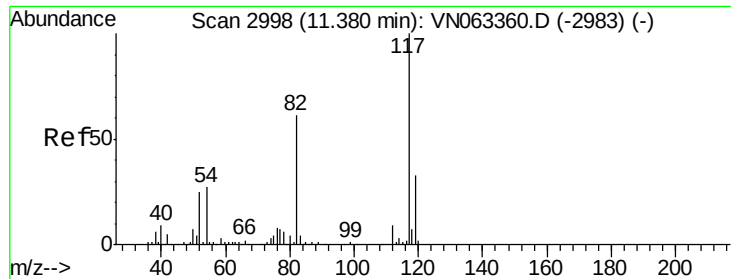
MMDadoda
 9/23/2020 1:06:38 PM



#62
 4-Bromofluorobenzene
 Concen: 47.422 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	140.8
176	70.1	0.0	137.6





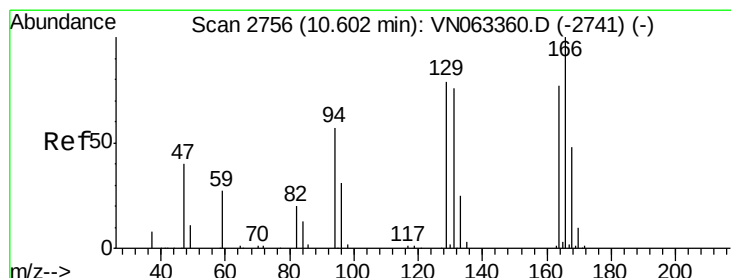
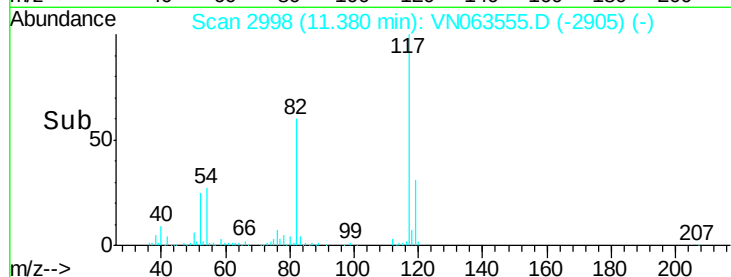
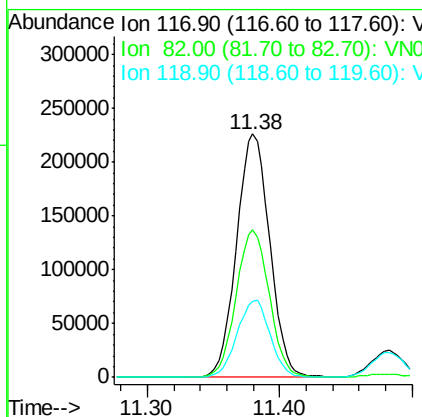
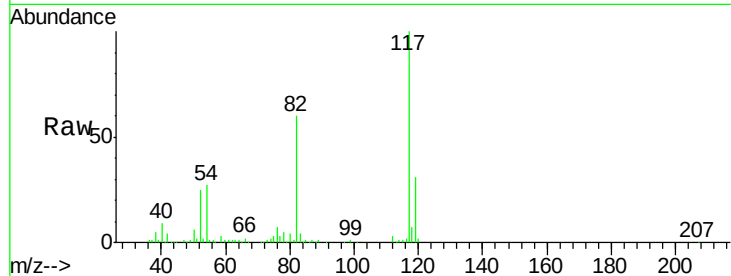
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	393429		
82	60.4	49.2	73.8	
119	31.5	26.2	39.4	

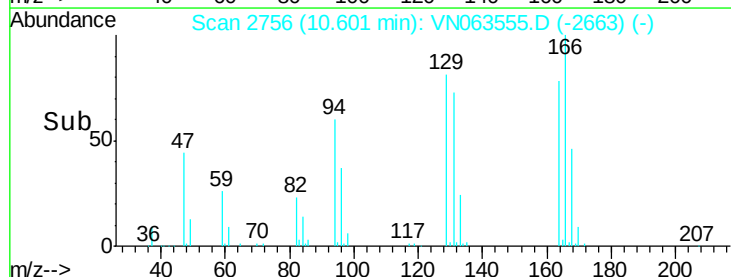
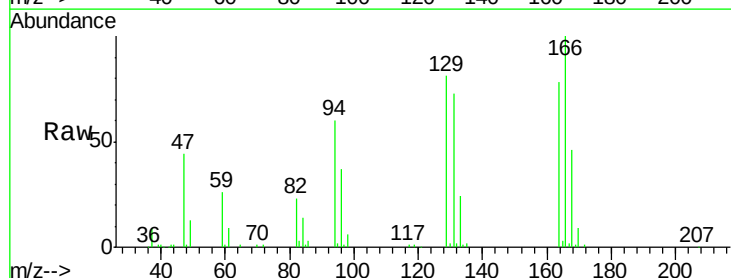
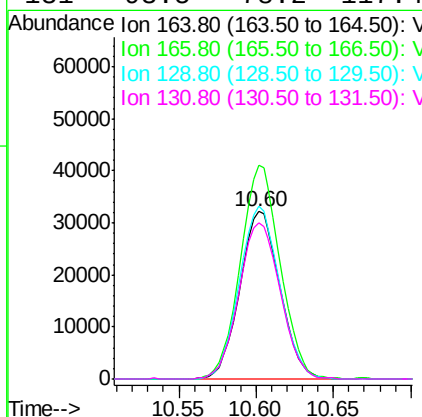
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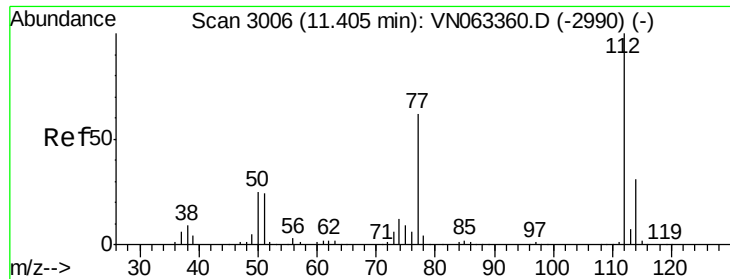
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#64
Tetrachloroethene
Concen: 21.570 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57785		
166	127.4	103.4	155.0	
129	102.9	81.8	122.6	
131	93.5	78.2	117.4	





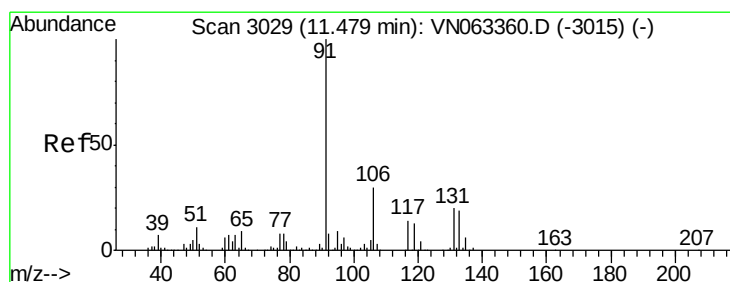
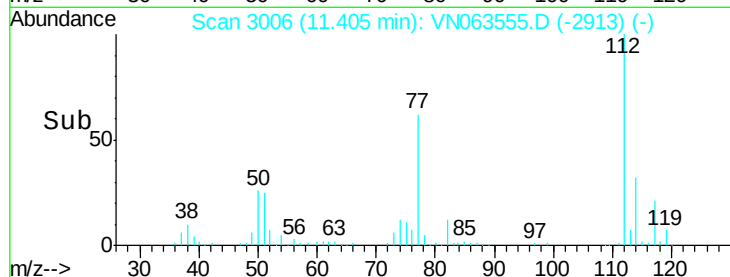
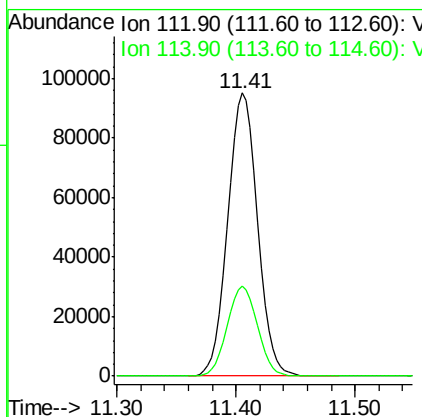
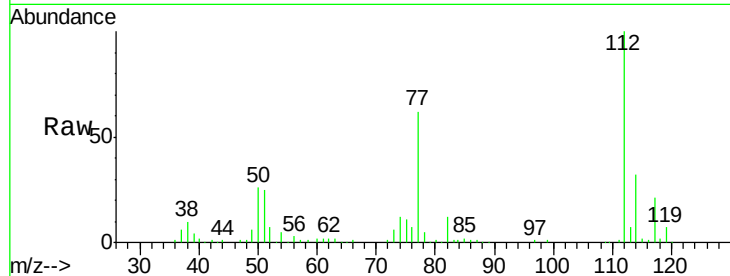
#65
Chlorobenzene
Concen: 19.791 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion:112 Resp: 165282
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6

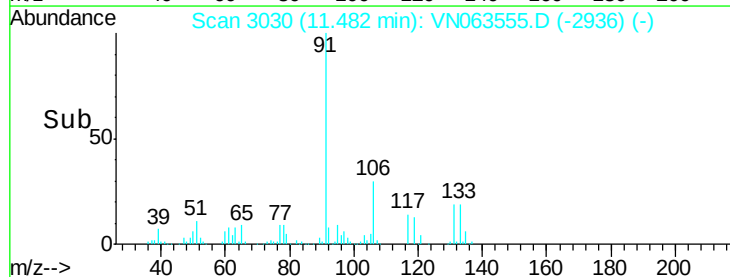
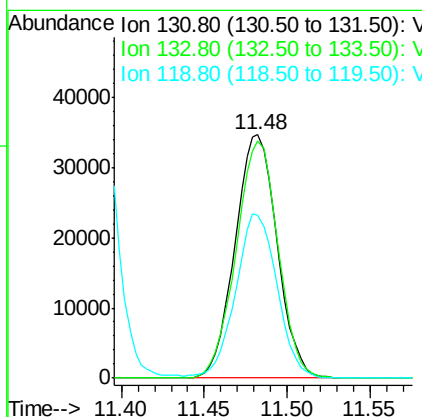
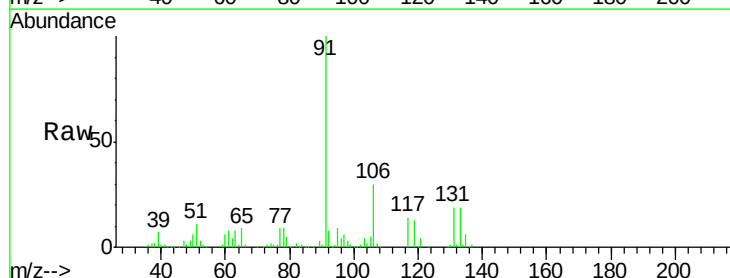
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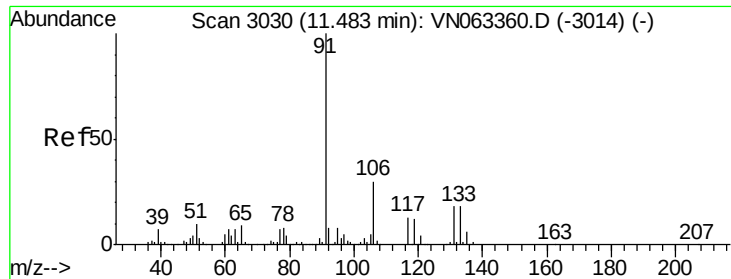
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.975 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion:131 Resp: 61150
Ion Ratio Lower Upper
131 100
133 97.2 47.3 141.9
119 66.8 33.6 100.8





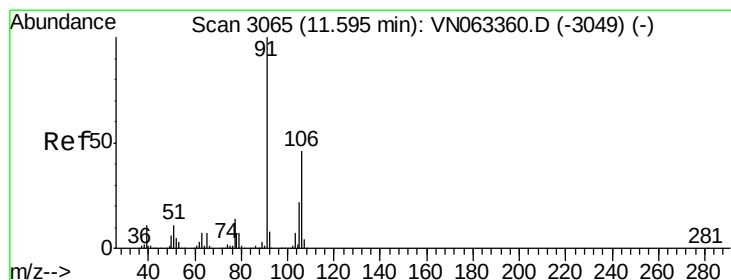
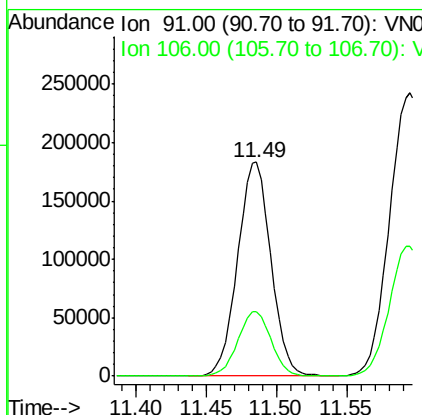
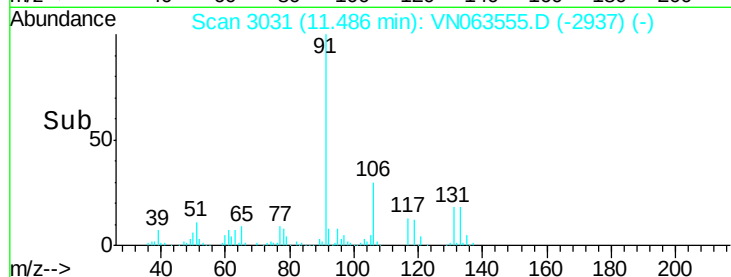
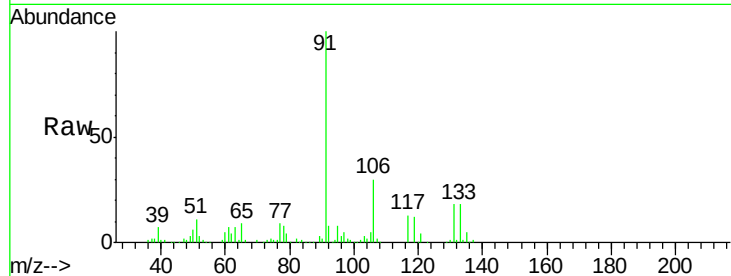
#67
Ethyl Benzene
Concen: 19.316 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS02

Tot Ion: 91 Resp: 303787
Ion Ratio Lower Upper
91 100
106 30.3 23.8 35.6

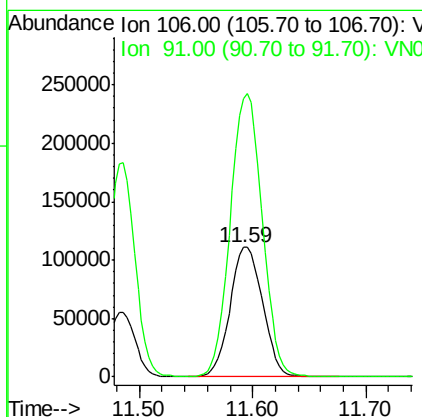
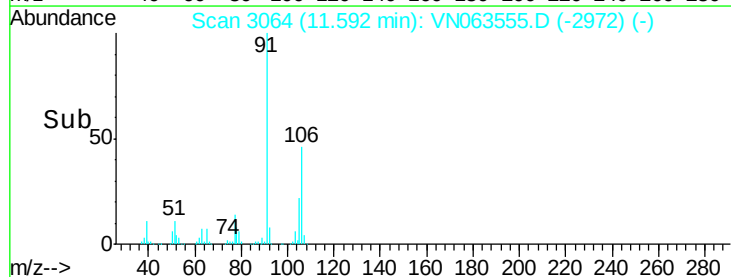
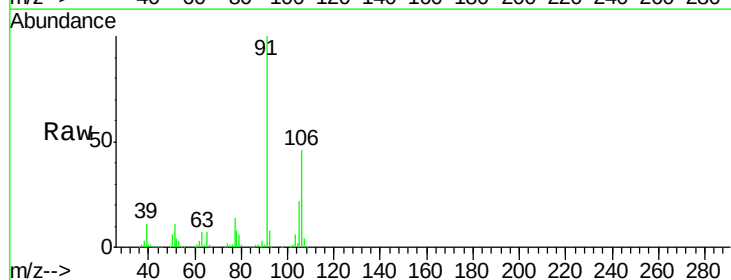
Manual Integrations
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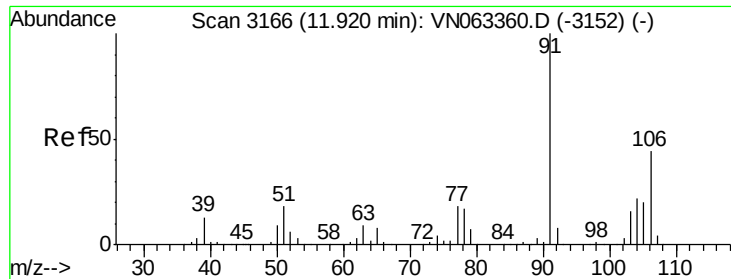
MMDadoda
9/23/2020 1:06:38 PM



#68
m/p-Xylenes
Concen: 39.315 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 106 Resp: 222937
Ion Ratio Lower Upper
106 100
91 213.9 171.2 256.8





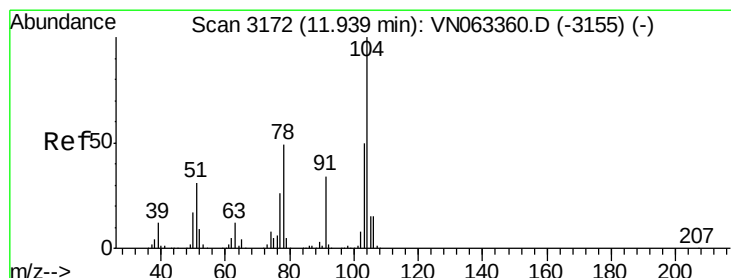
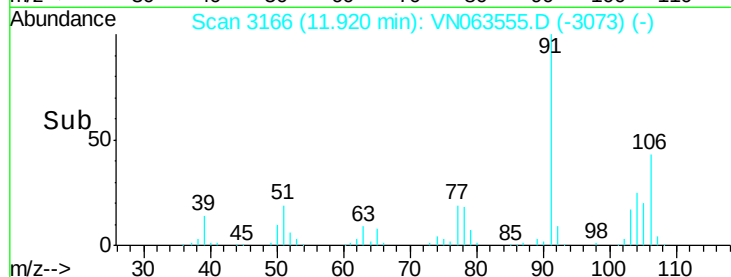
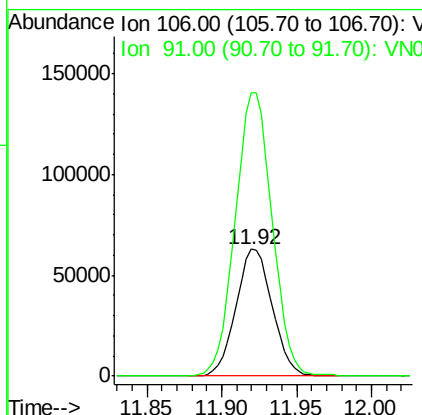
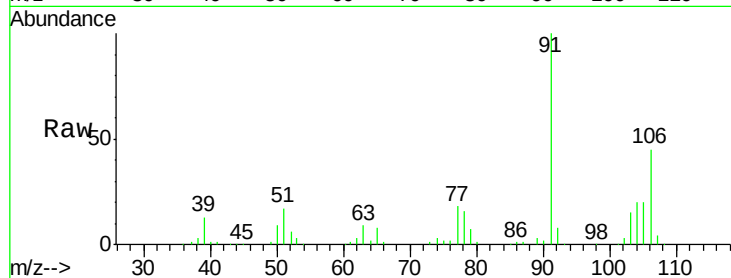
#69
o-Xylene
Concen: 19.706 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		106449		
91	227.1	113.6	340.8		

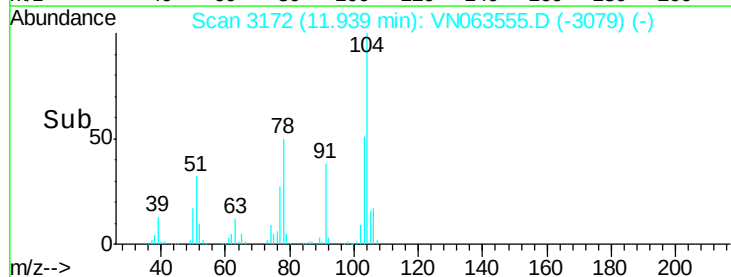
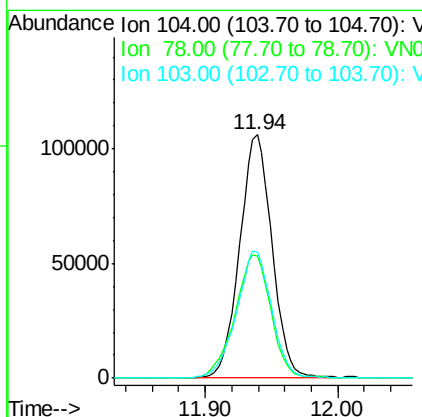
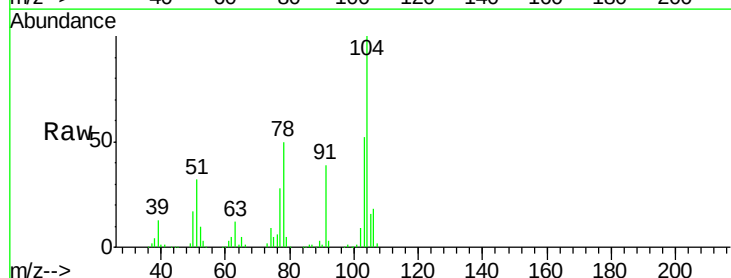
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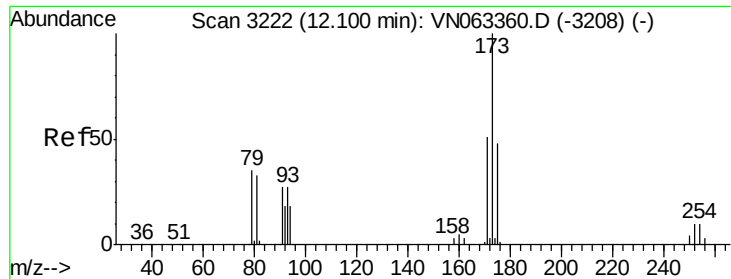
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#70
Styrene
Concen: 19.902 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		180285		
78	56.2	44.4	66.6		
103	56.5	43.7	65.5		





#71

Bromoform

Concen: 18.430 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

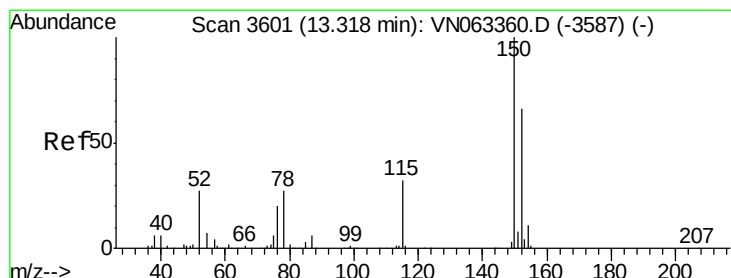
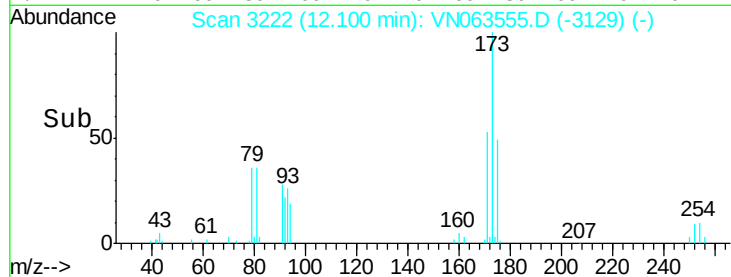
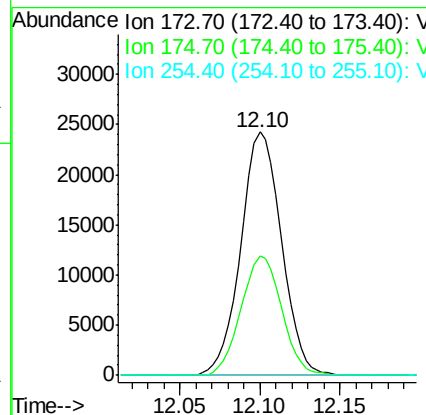
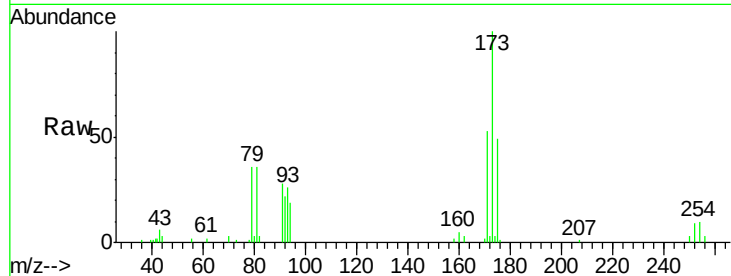
ClientSampleId :

VN0922WBS02

Tot Ion:	173	Resp:	42032
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

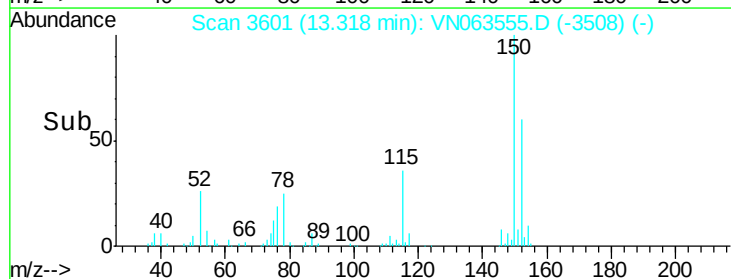
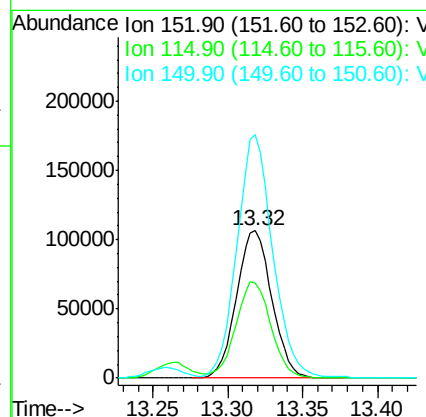
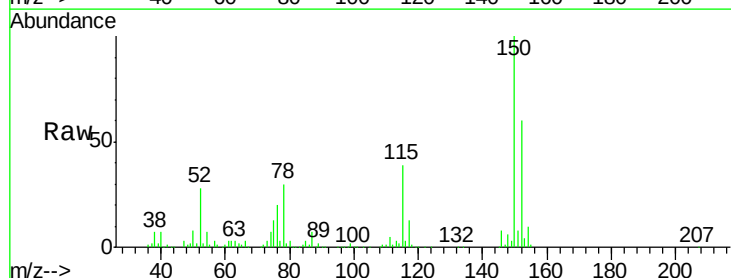
RT: 13.32 min Scan# 3601

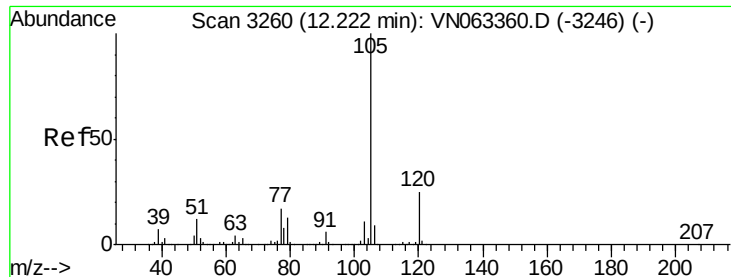
Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	152	Resp:	175581
Ion Ratio	Lower	Upper	
152	100		
115	64.3	32.2	96.6
150	167.0	0.0	343.4





#73

Isopropylbenzene

Concen: 20.323 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 105 Resp: 285940

Ion Ratio Lower Upper

105 100

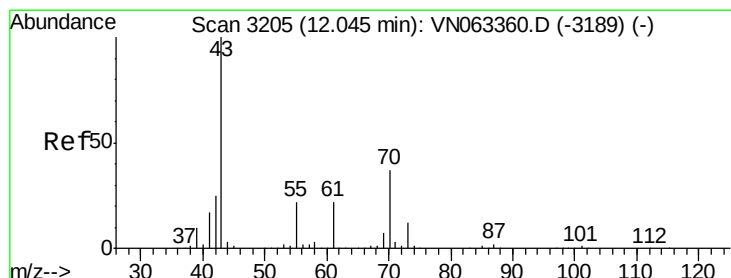
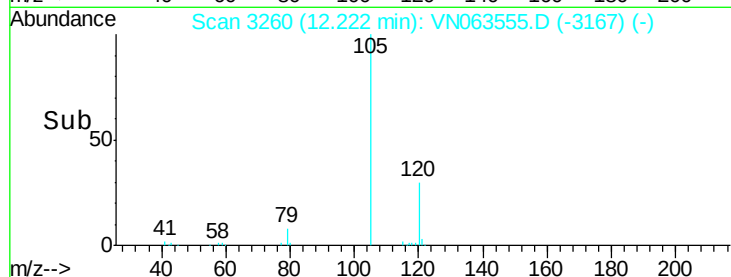
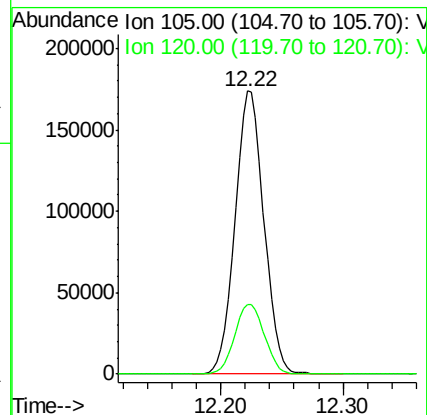
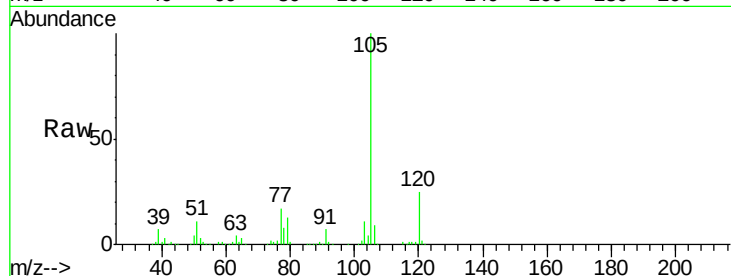
120 25.4 12.7 38.0

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#74

N-ethyl acetate

Concen: 18.709 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion: 43 Resp: 124606

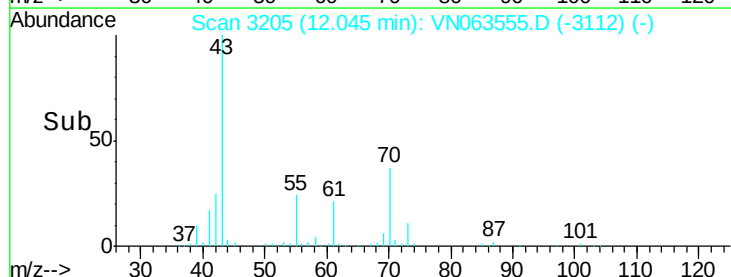
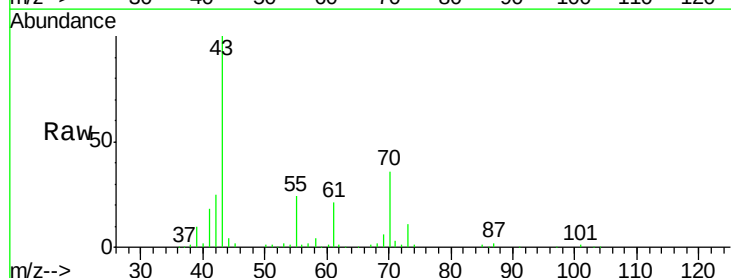
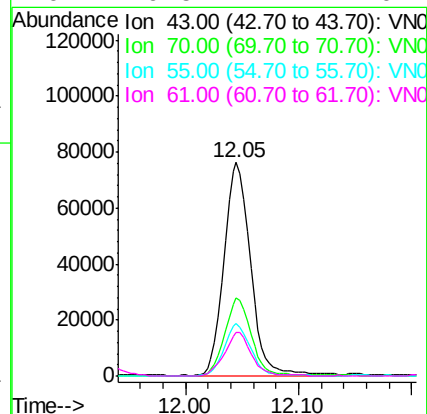
Ion Ratio Lower Upper

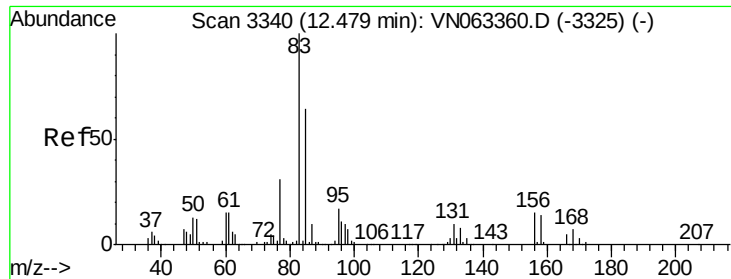
43 100

70 37.0 29.6 44.4

55 24.8 17.7 26.5

61 20.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.331 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

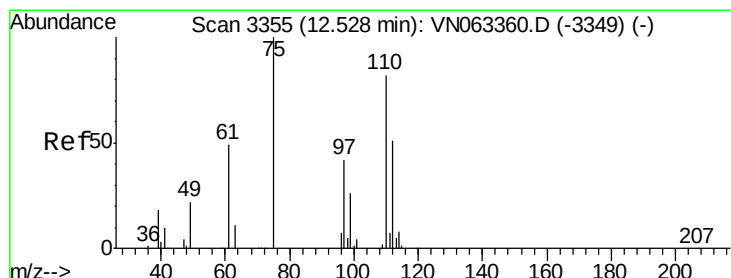
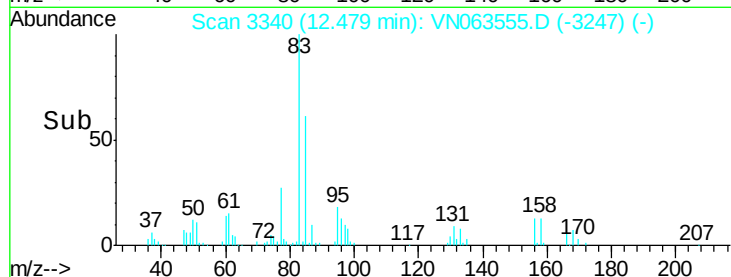
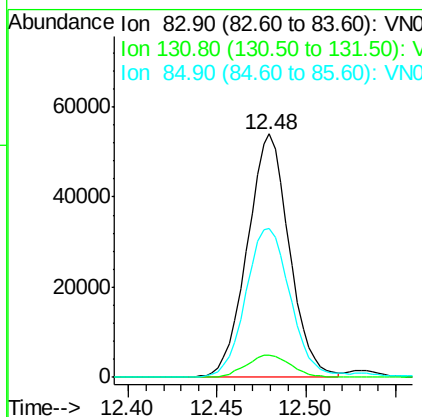
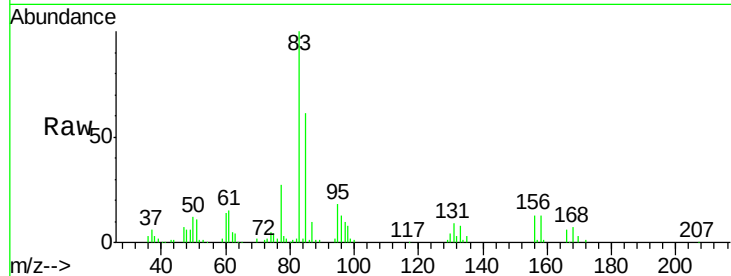
ClientSampleId :

VN0922WBS02

Tot Ion:	83	Resp:	88574
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	65.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.458 ug/l m

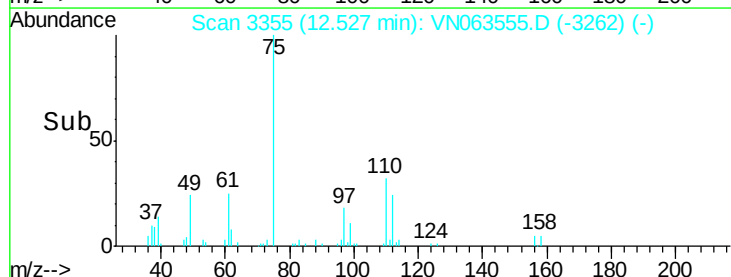
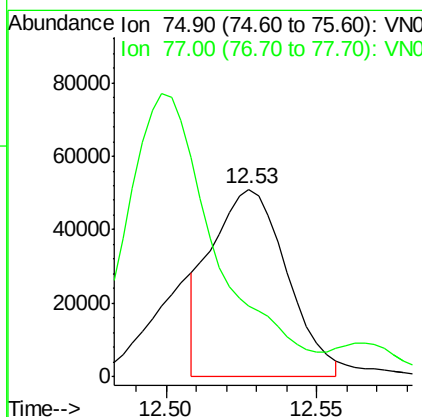
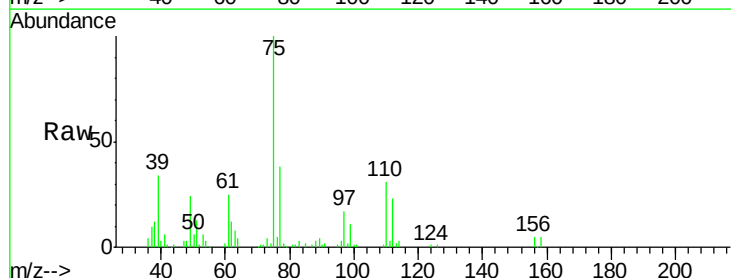
RT: 12.53 min Scan# 3355

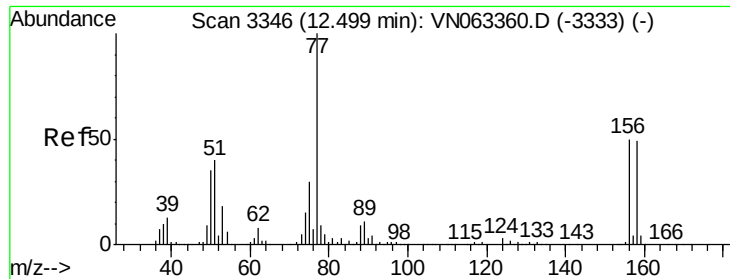
Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	75	Resp:	88908
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.614 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

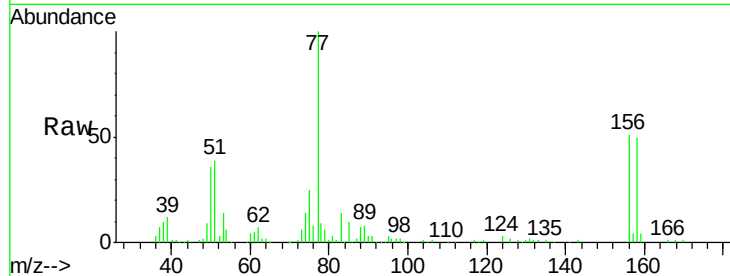
ClientSampleId :

VN0922WBS02

Tot Ion:	156	Resp:	68409
Ion	Ratio	Lower	Upper
156	100		
77	233.2	120.2	360.6
158	96.9	48.9	146.6

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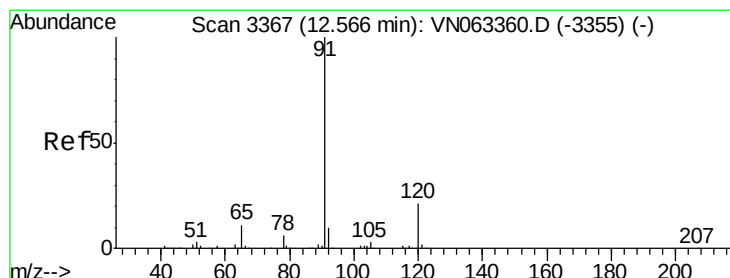
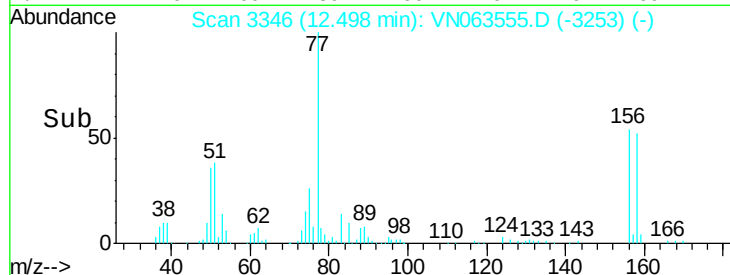
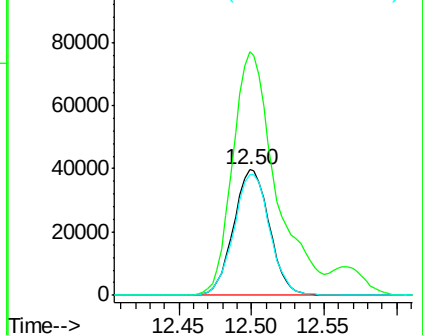
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.289 ug/l

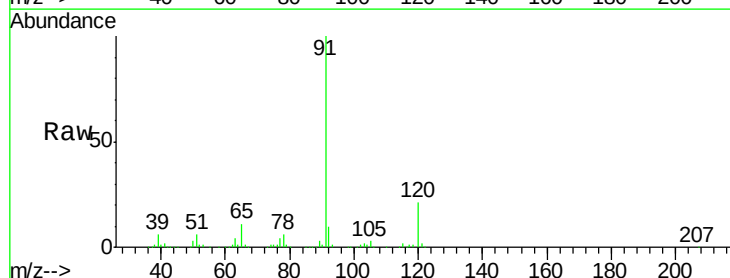
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063555.D

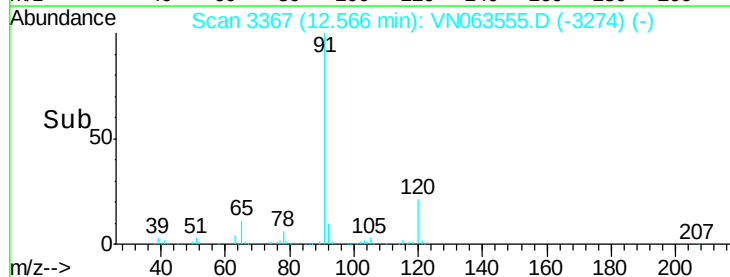
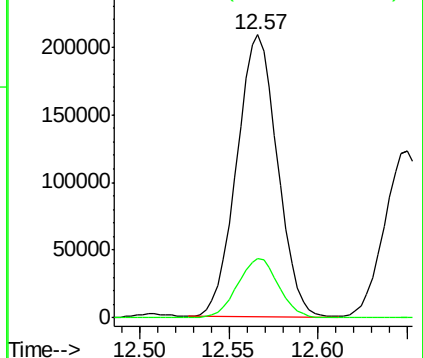
Acq: 23 Sep 2020 1:16

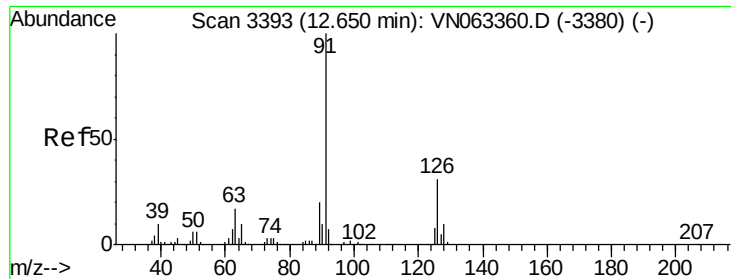
Tgt Ion:	91	Resp:	332489
Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.572 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 91 Resp: 202095

Ion Ratio Lower Upper

91 100

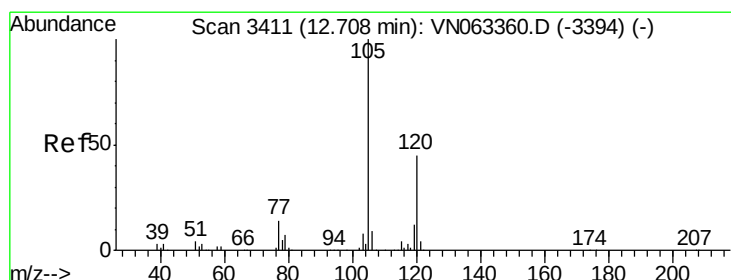
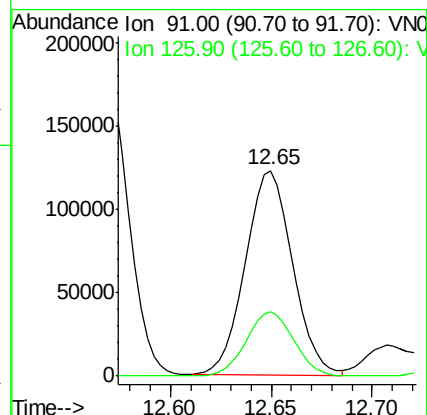
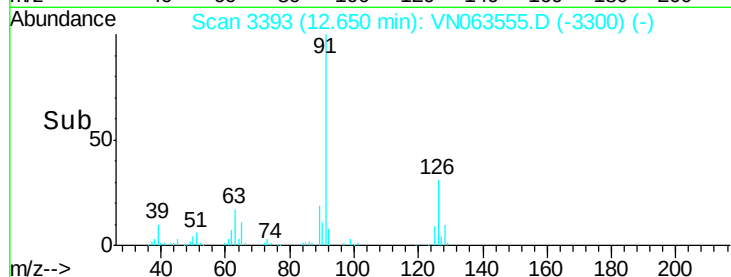
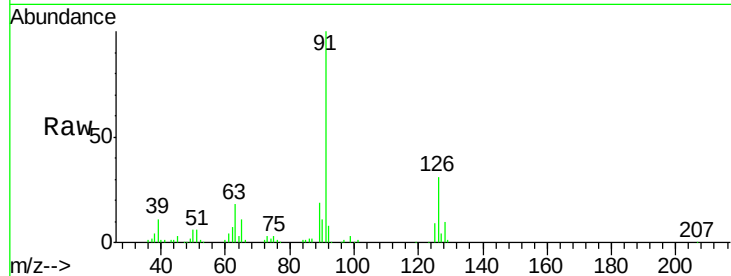
126 31.6 15.8 47.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.538 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063555.D

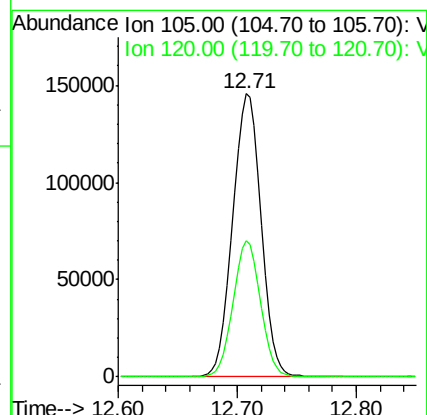
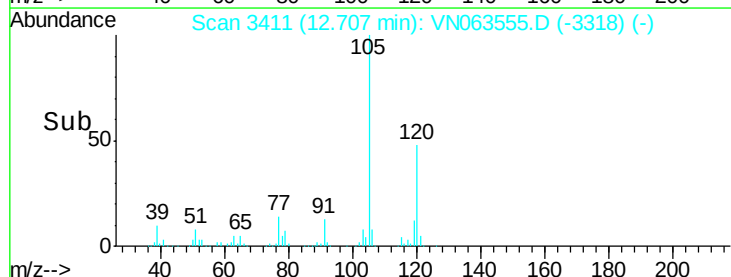
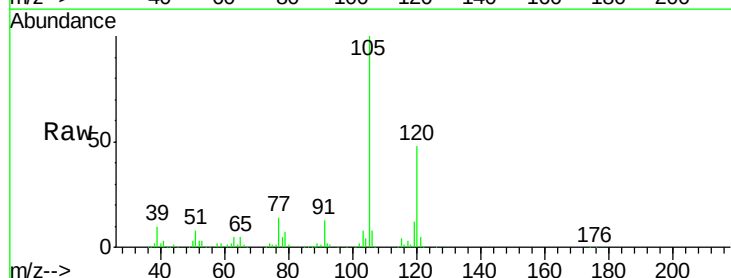
Acq: 23 Sep 2020 1:16

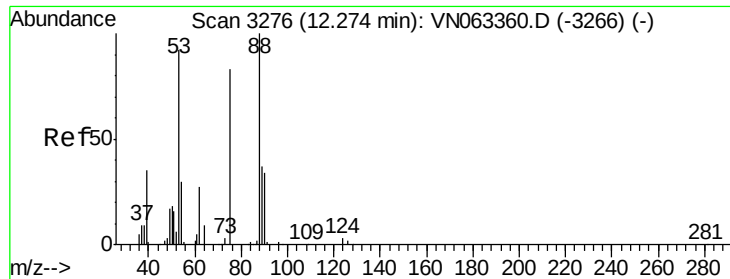
Tgt Ion: 105 Resp: 240962

Ion Ratio Lower Upper

105 100

120 46.6 22.9 68.8





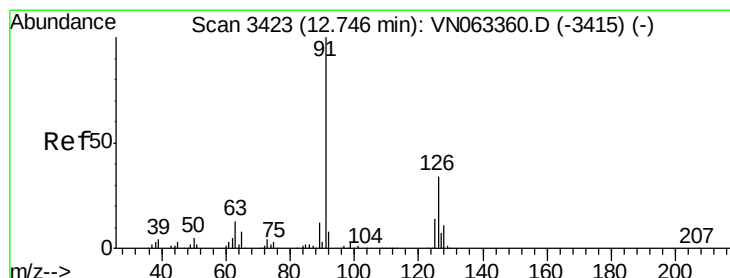
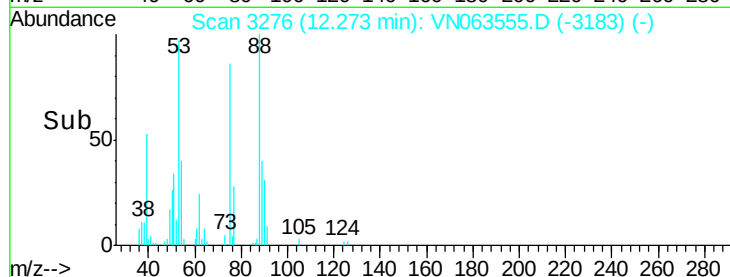
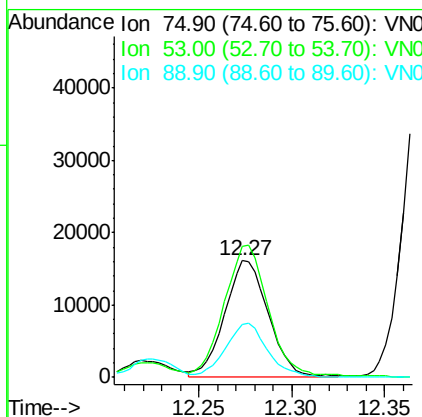
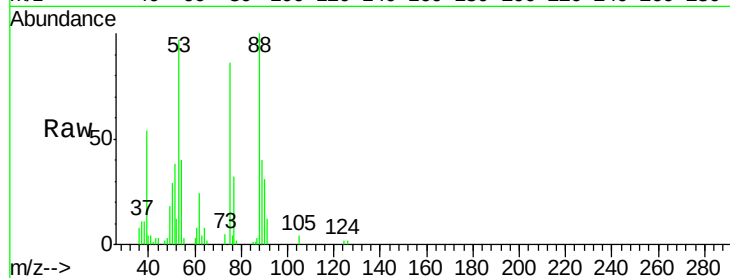
#81
trans-1,4-Dichloro-2-butene
Concen: 16.469 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.3	85.7	128.5
89	45.2	38.0	57.0

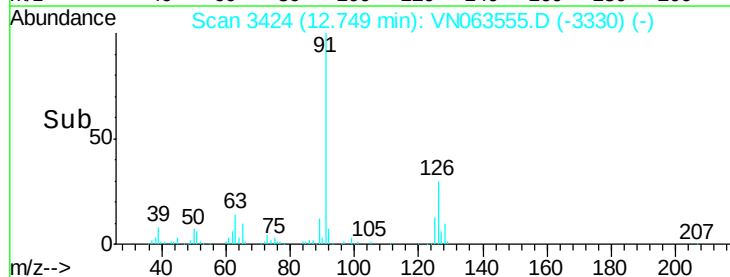
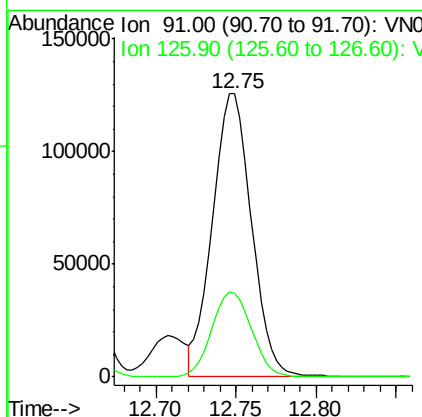
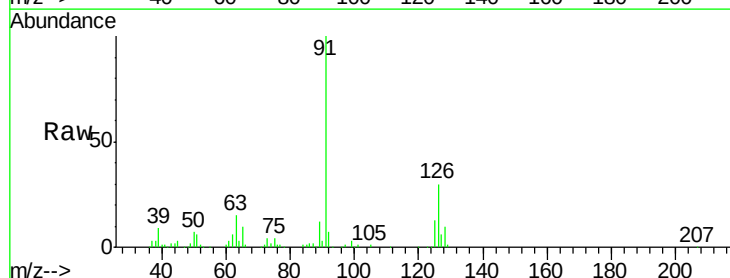
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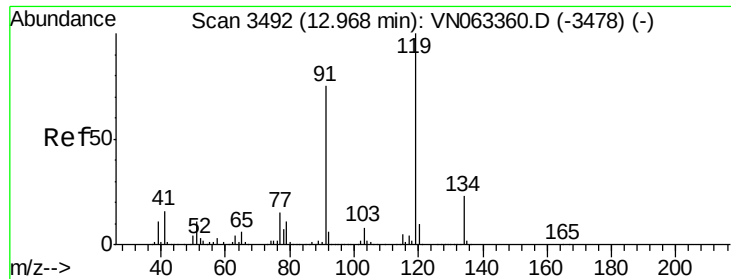
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#82
4-Chlorotoluene
Concen: 20.255 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.5	46.5





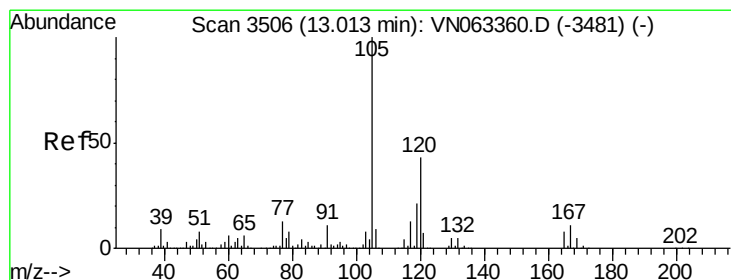
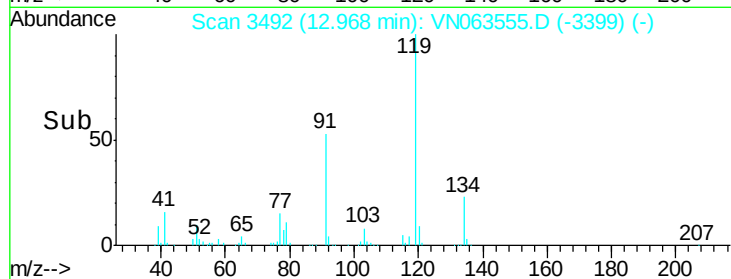
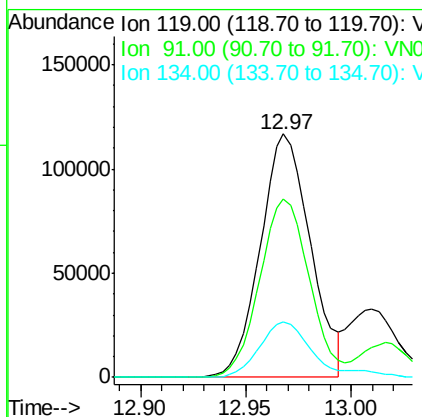
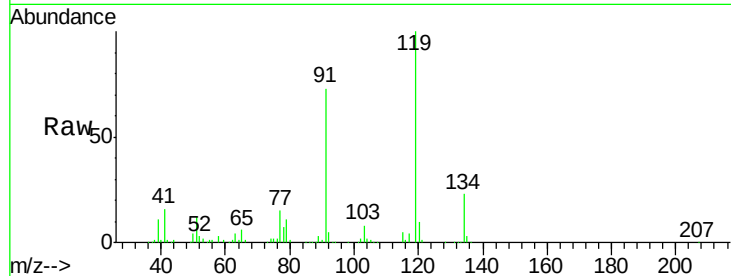
#83
 tert-Butylbenzene
 Concen: 19.935 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.9	36.3	108.9
134	22.8	12.3	36.8

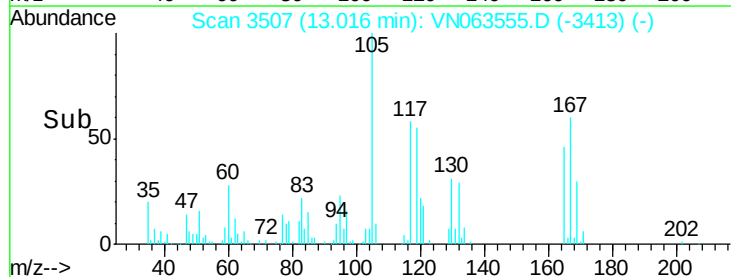
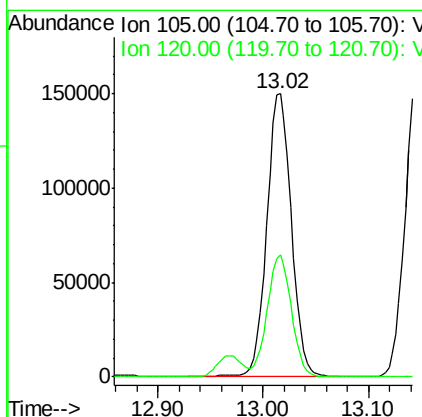
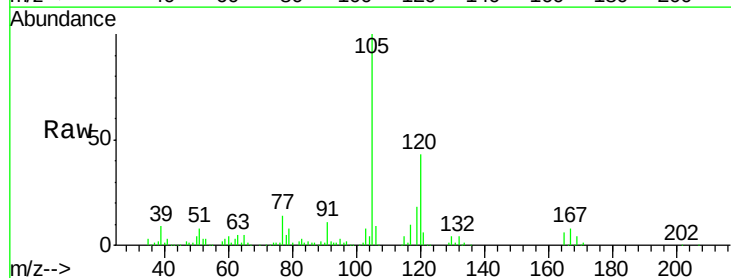
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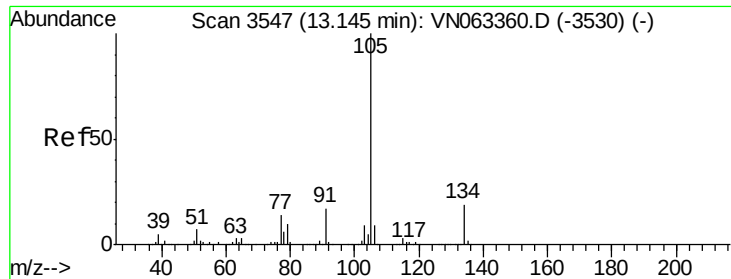
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.486 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.3	63.9





#85

sec-Butylbenzene

Concen: 20.030 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion:105 Resp: 259621

Ion Ratio Lower Upper

105 100

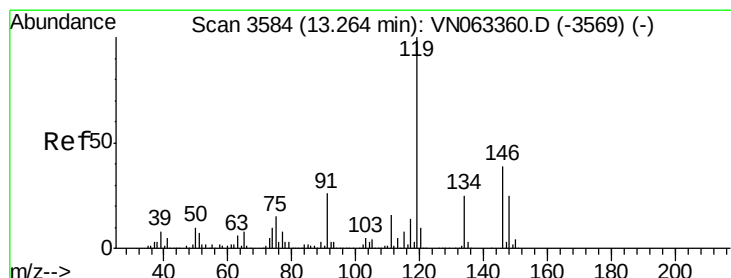
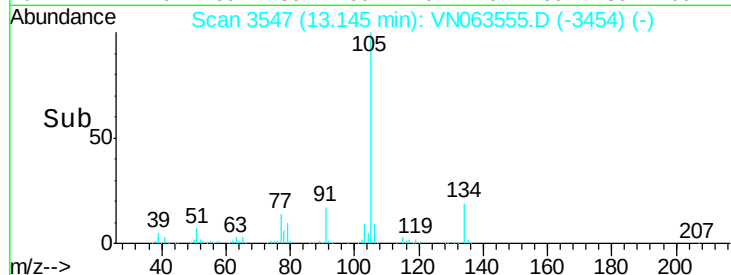
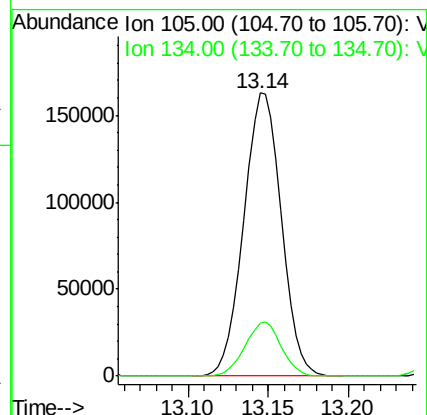
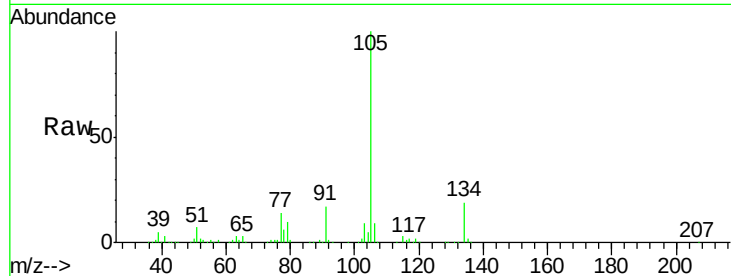
134 18.6 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.936 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

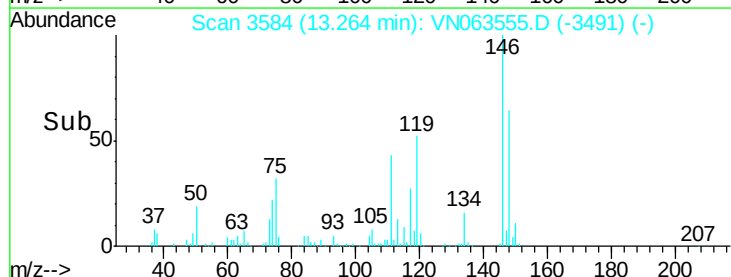
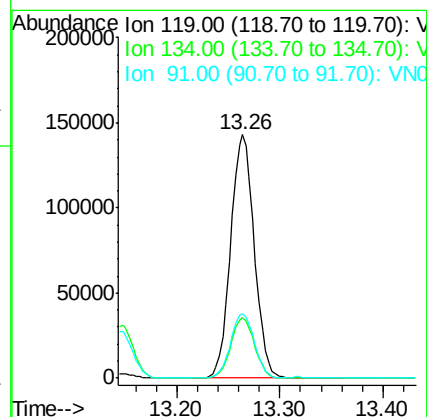
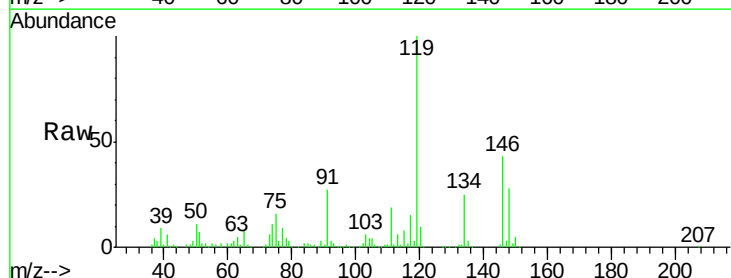
Tgt Ion:119 Resp: 227919

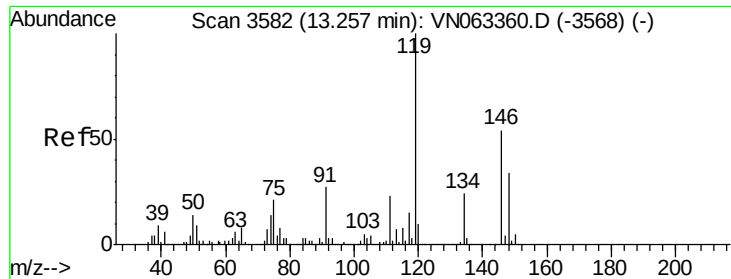
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 26.7 13.4 40.1





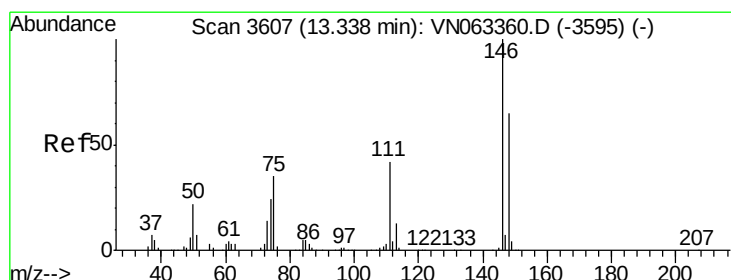
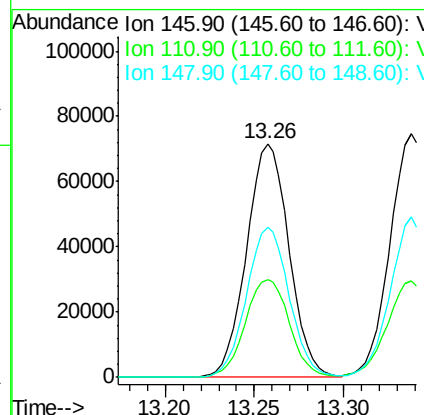
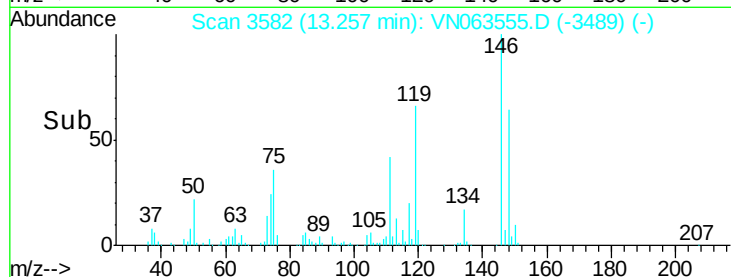
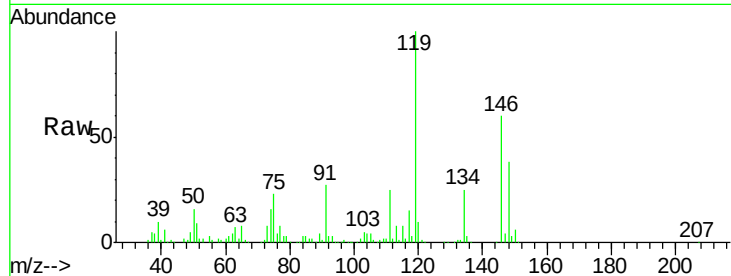
#87
 1,3-Dichlorobenzene
 Concen: 20.386 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119589		
111	43.4	21.4	64.3	
148	64.5	31.9	95.7	

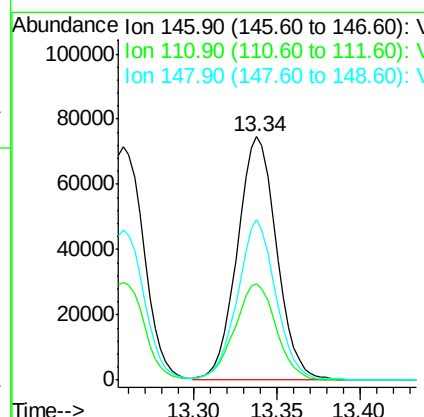
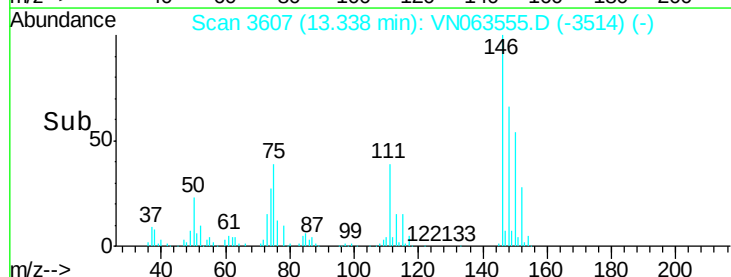
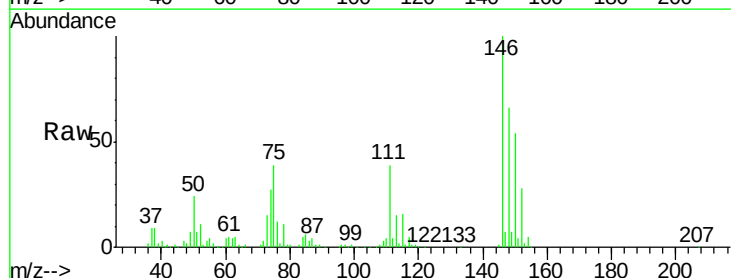
Manual Integrations
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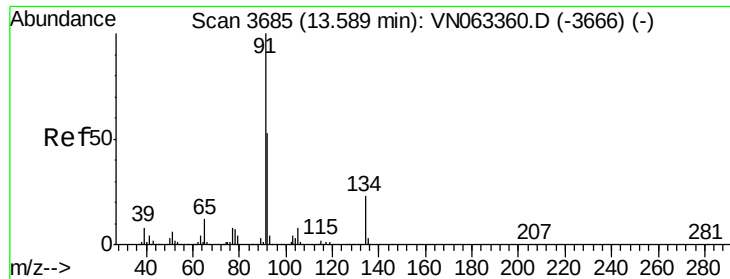
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#88
 1,4-Dichlorobenzene
 Concen: 20.463 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122045		
111	42.4	21.2	63.6	
148	64.1	31.9	95.9	





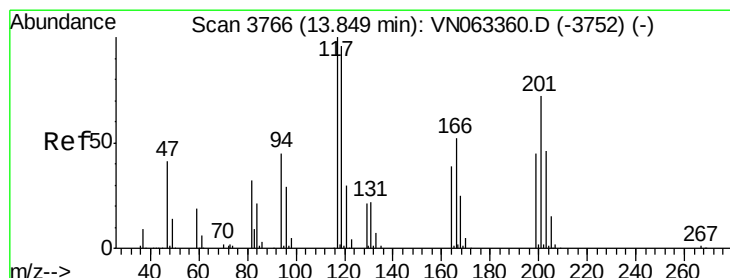
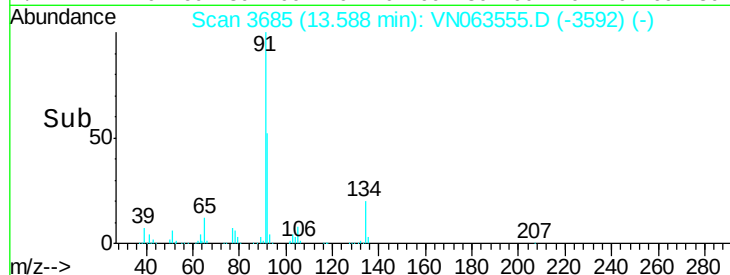
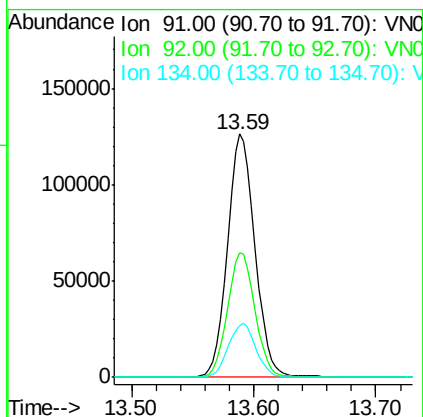
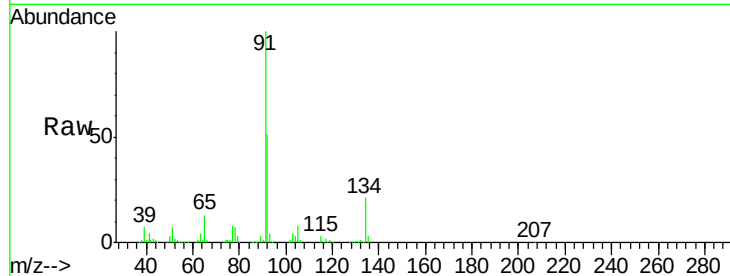
#89
n-Butylbenzene
Concen: 18.906 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	22.2	11.7	35.0

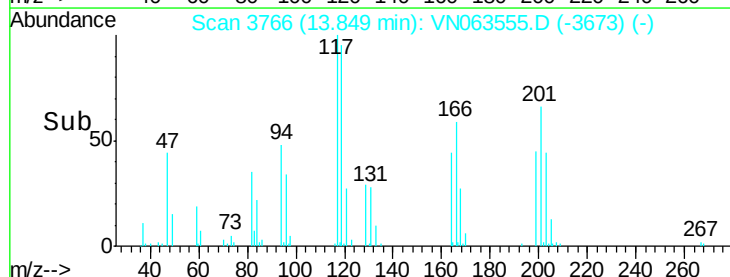
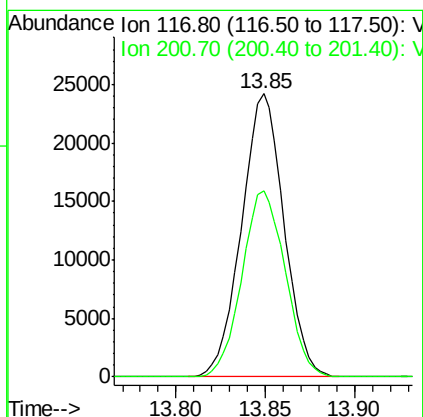
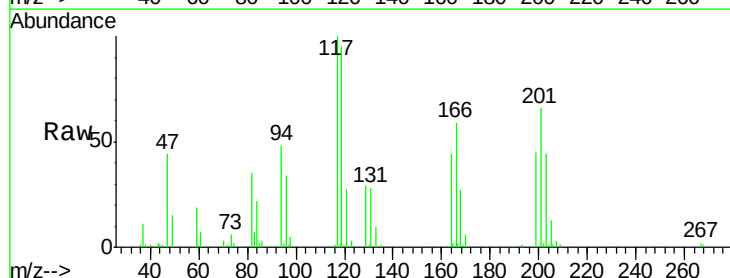
Manual Integrations
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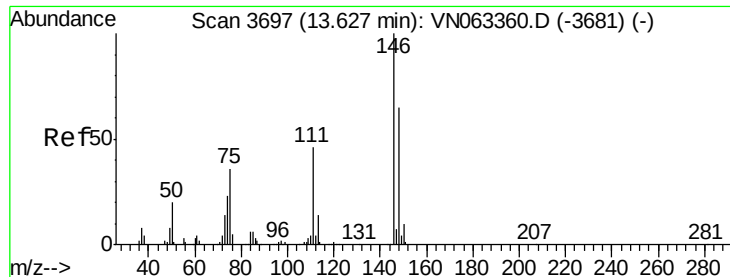
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#90
Hexachloroethane
Concen: 18.509 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.9	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 20.928 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

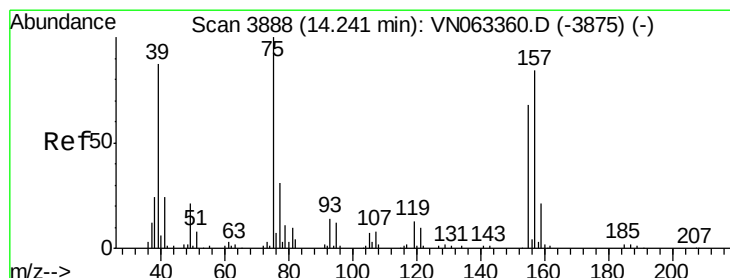
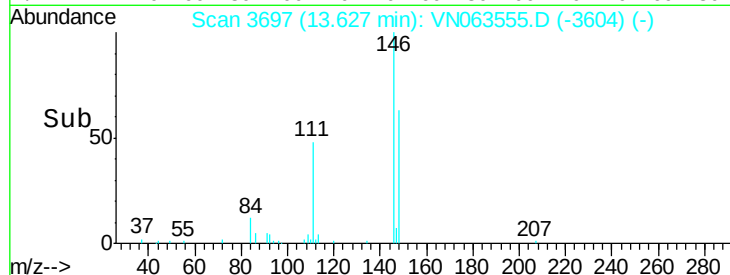
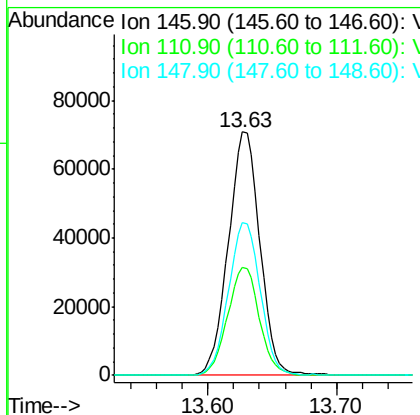
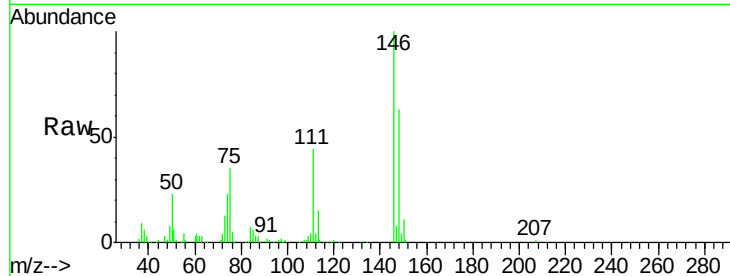
ClientSampleId :

VN0922WBS02

Tot Ion:	146	Resp:	120533
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.4	67.2
148	62.9	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.791 ug/l

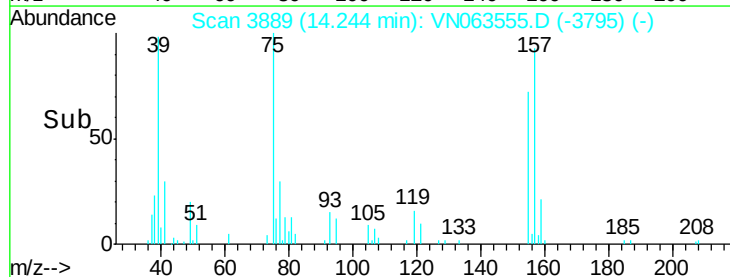
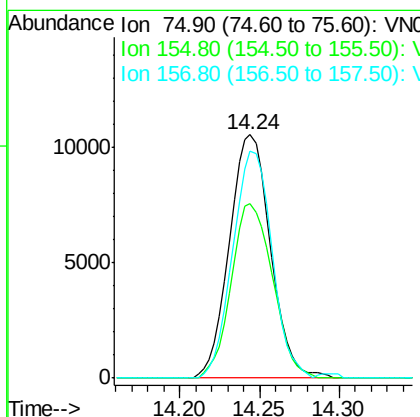
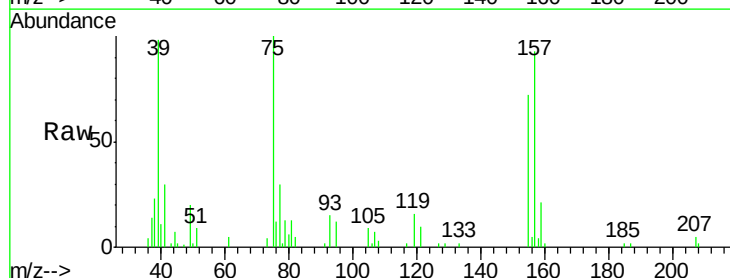
RT: 14.24 min Scan# 3889

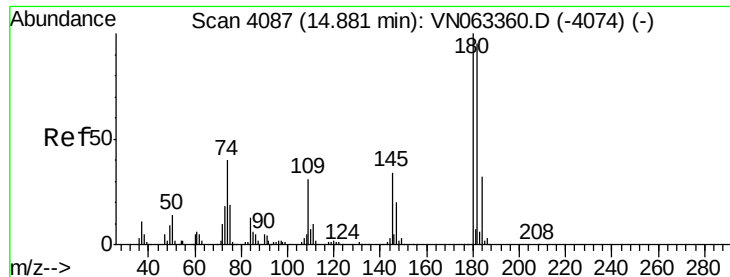
Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	75	Resp:	18456
Ion Ratio	Lower	Upper	
75	100		
155	72.1	34.6	103.9
157	89.1	43.7	131.1





#93

1,2,4-Trichlorobenzene

Concen: 18.309 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

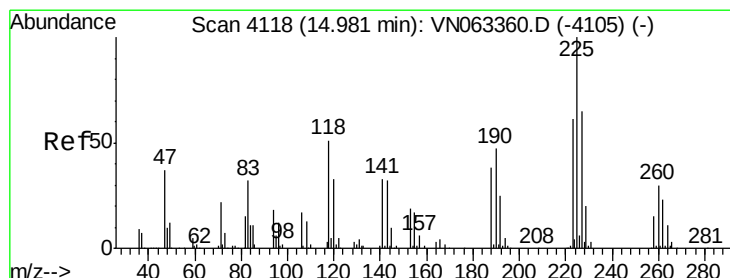
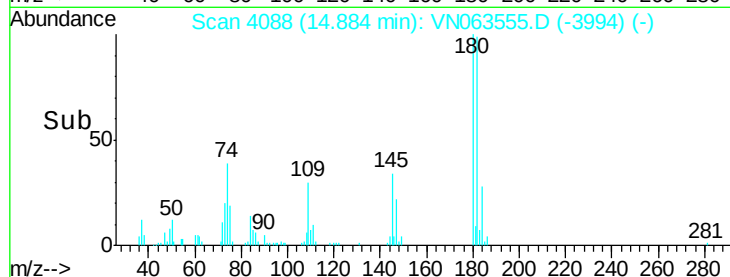
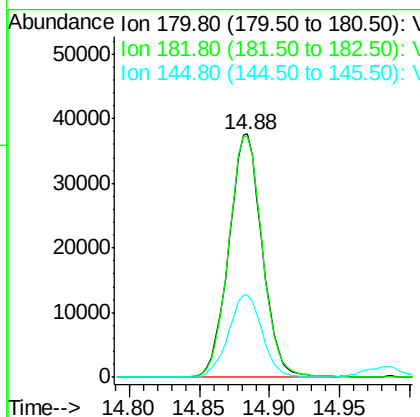
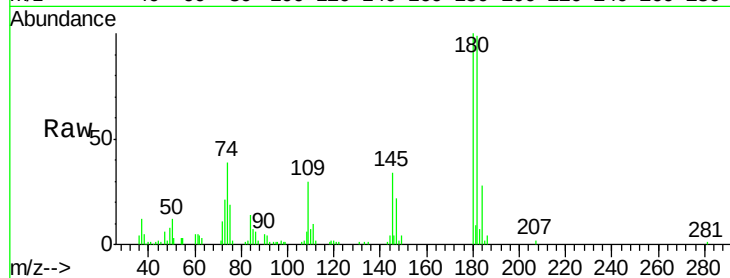
ClientSampleId :

VN0922WBS02

Tot Ion:	180	Resp:	62166
Ion Ratio	Lower	Upper	
180	100		
182	100.4	47.3	142.0
145	34.2	16.6	49.7

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:06:38 PM



#94

Hexachlorobutadiene

Concen: 21.243 ug/l

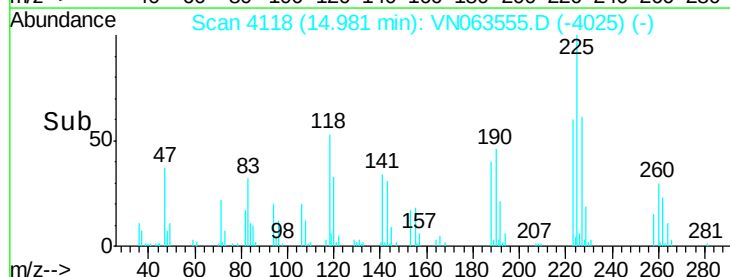
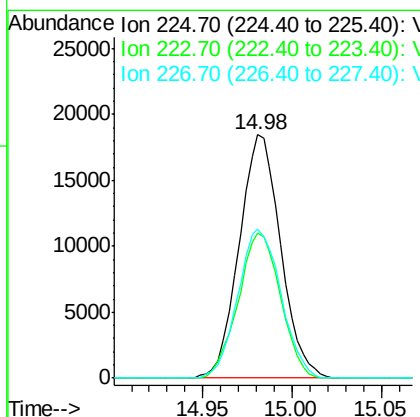
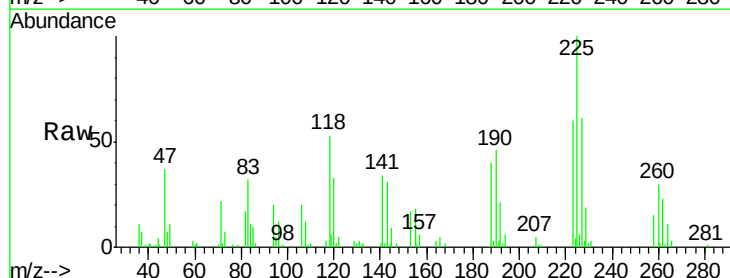
RT: 14.98 min Scan# 4118

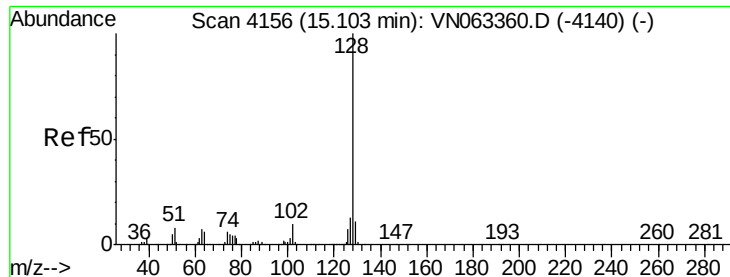
Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	225	Resp:	29860
Ion Ratio	Lower	Upper	
225	100		
223	60.7	30.6	91.6
227	63.7	31.2	93.6





#95

Naphthalene

Concen: 18.469 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

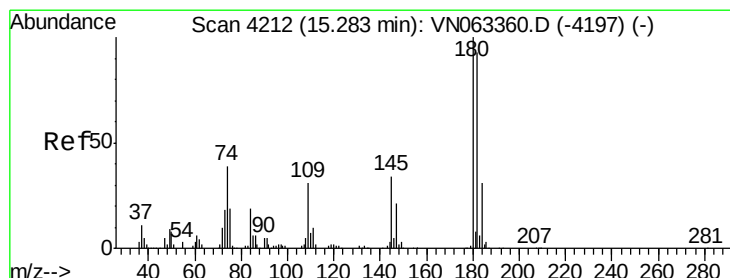
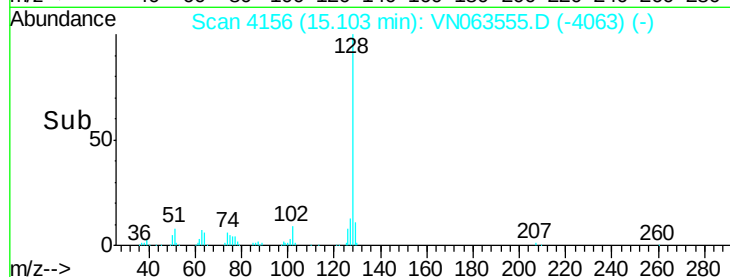
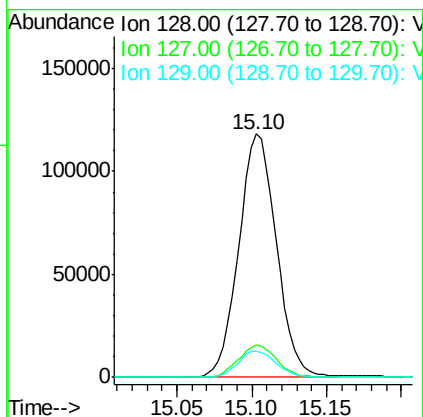
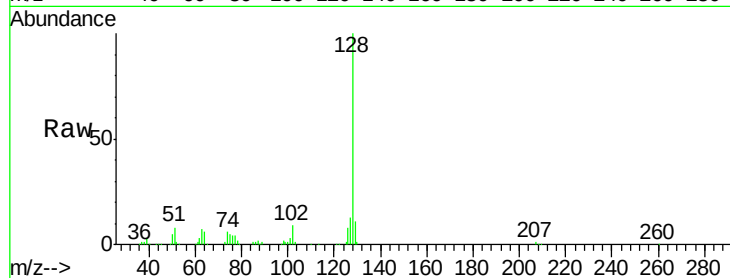
ClientSampleId :

VN0922WBS02

Tot Ion:	128	Resp:	207173
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/23/2020 1:06:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.282 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:	180	Resp:	63255
Ion Ratio	Lower	Upper	
180	100		
182	94.1	46.7	140.1
145	34.6	16.8	50.3

