

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063366.D
 Acq On : 16 Sep 2020 15:55
 Operator : JC/MD
 Sample : VN0916WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Manual Integrations
 APPROVED

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 9/17/2020 1:08:50 PM

Quant Time: Sep 17 04:19:21 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	7.62	168	257634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	442885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	405737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	226535	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
35) Dibromofluoromethane	7.55	113	157088	51.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	10.06	98	596619	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.38	95	224509	53.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	58709	20.114	ug/l	100
3) Chloromethane	2.03	50	74564	19.311	ug/l	97
4) Vinyl Chloride	2.16	62	69698	20.374	ug/l	99
5) Bromomethane	2.54	94	42783	21.063	ug/l	96
6) Chloroethane	2.68	64	41154	19.598	ug/l	97
7) Trichlorofluoromethane	2.99	101	103622	20.302	ug/l	98
8) Diethyl Ether	3.38	74	40327	20.268	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	58274	20.302	ug/l	97
10) Methyl Iodide	3.91	142	72404	19.374	ug/l	99
11) Tert butyl alcohol	4.72	59	55055	90.616	ug/l #	81
12) 1,1-Dichloroethene	3.70	96	56328	19.374	ug/l	99
13) Acrolein	3.57	56	31536	140.064	ug/l	100
14) Allyl chloride	4.28	41	115415	20.069	ug/l	99
15) Acrylonitrile	4.93	53	151133	97.793	ug/l	99
16) Acetone	3.77	43	130330	92.468	ug/l	100
17) Carbon Disulfide	4.01	76	167216	19.773	ug/l	100
18) Methyl Acetate	4.28	43	70200	19.619	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	213390	19.693	ug/l	98
20) Methylene Chloride	4.51	84	71006	19.884	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	63335	19.662	ug/l	99
22) Diisopropyl ether	5.90	45	241266	20.571	ug/l	94
23) Vinyl Acetate	5.84	43	986445	102.409	ug/l	100
24) 1,1-Dichloroethane	5.80	63	127354	19.889	ug/l	99
25) 2-Butanone	6.78	43	204049	94.131	ug/l	97
26) 2,2-Dichloropropane	6.78	77	111205m	19.725	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	73468	20.151	ug/l	99
28) Bromochloromethane	7.15	49	54688	18.497	ug/l	100
29) Tetrahydrofuran	7.16	42	144259	97.439	ug/l	98
30) Chloroform	7.33	83	126955	19.761	ug/l	99
31) Cyclohexane	7.61	56	118174	19.510	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	111118	19.446	ug/l	100
36) 1,1-Dichloropropene	7.75	75	97400	20.643	ug/l	98
37) Ethyl Acetate	6.88	43	91837	19.832	ug/l	98
38) Carbon Tetrachloride	7.73	117	95896	19.910	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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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	103364	20.185	ug/l	99
40) Benzene	8.00	78	276698	20.543	ug/l	97
41) Methacrylonitrile	7.14	41	47113m	22.620	ug/l	
42) 1,2-Dichloroethane	8.08	62	114083	21.062	ug/l	99
43) Isopropyl Acetate	8.13	43	160374	19.368	ug/l #	88
44) Trichloroethene	8.80	130	67157	20.557	ug/l	97
45) 1,2-Dichloropropane	9.08	63	77977	21.256	ug/l	96
46) Dibromomethane	9.17	93	48891	20.278	ug/l	96
47) Bromodichloromethane	9.37	83	106463	21.255	ug/l	97
48) Methyl methacrylate	9.16	41	76516	18.808	ug/l	94
49) 1,4-Dioxane	9.16	88	21320	365.186	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	462015	99.666	ug/l	100
52) Toluene	10.13	92	171383	21.163	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	117096	20.940	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	122297	20.734	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	65922	20.494	ug/l	96
56) Ethyl methacrylate	10.40	69	104283	20.767	ug/l	96
57) 1,3-Dichloropropane	10.68	76	120045	20.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	250665	95.159	ug/l	100
59) 2-Hexanone	10.72	43	330579	98.434	ug/l	99
60) Dibromochloromethane	10.87	129	75184	20.690	ug/l	98
61) 1,2-Dibromoethane	10.98	107	70631	21.136	ug/l	99
64) Tetrachloroethene	10.60	164	57573	20.839	ug/l	99
65) Chlorobenzene	11.41	112	179577	20.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	64456	20.416	ug/l	97
67) Ethyl Benzene	11.48	91	336626	20.755	ug/l	99
68) m/p-Xylenes	11.59	106	246928	42.225	ug/l	97
69) o-Xylene	11.92	106	117856	21.156	ug/l	98
70) Styrene	11.94	104	199520	21.357	ug/l	99
71) Bromoform	12.10	173	48526	20.632	ug/l #	98
73) Isopropylbenzene	12.22	105	317245	20.572	ug/l	99
74) N-amyl acetate	12.05	43	144377	19.777	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95168	19.931	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	88044m	18.484	ug/l	
77) Bromobenzene	12.50	156	73184	21.097	ug/l	97
78) n-propylbenzene	12.57	91	377466	21.015	ug/l	98
79) 2-Chlorotoluene	12.65	91	229344	21.300	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	271080	21.080	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	31895	18.358	ug/l	96
82) 4-Chlorotoluene	12.75	91	230376	20.250	ug/l	99
83) tert-Butylbenzene	12.97	119	217948	20.535	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	267602	20.602	ug/l	99
85) sec-Butylbenzene	13.14	105	290495	20.447	ug/l	99
86) p-Isopropyltoluene	13.26	119	256804	20.494	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	133060	20.695	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	134532	20.580	ug/l	98
89) n-Butylbenzene	13.59	91	238736	20.670	ug/l	100
90) Hexachloroethane	13.85	117	47621	19.958	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	130542	20.680	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21017	18.484	ug/l	99

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ClientSampleId :
VN0916WBSD01

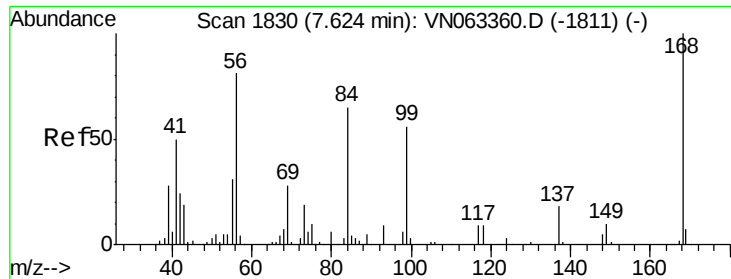
Manual Integrations
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9/17/2020 1:08:50 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	73175	19.663	ug/l	100
94) Hexachlorobutadiene	14.98	225	30992	20.116	ug/l	99
95) Naphthalene	15.10	128	238670	19.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	70935	19.728	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion:168 Resp: 257634

Ion Ratio Lower Upper

168 100

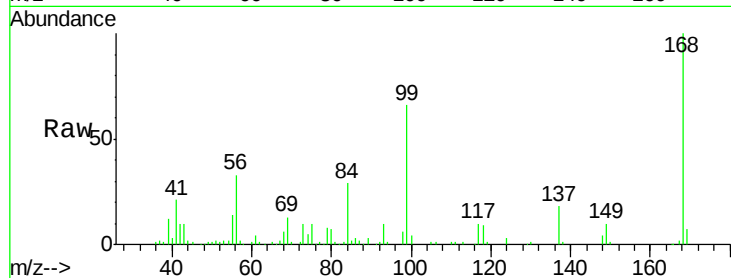
99 65.4 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

40000

20000

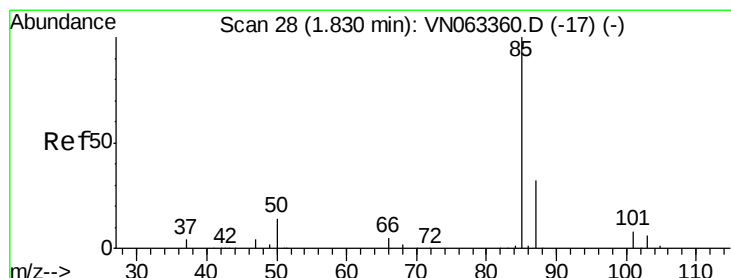
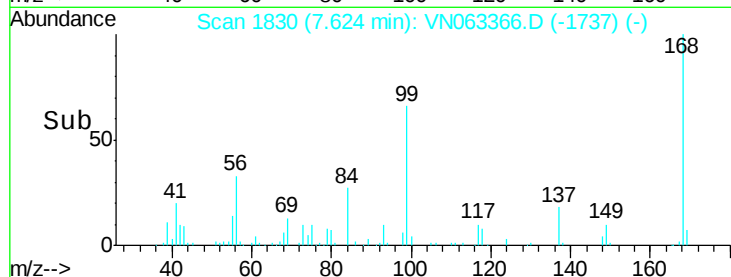
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.114 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063366.D

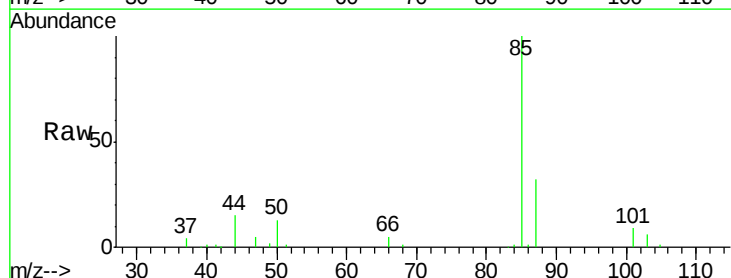
Acq: 16 Sep 2020 15:55

Tgt Ion: 85 Resp: 58709

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

50000

40000

30000

20000

10000

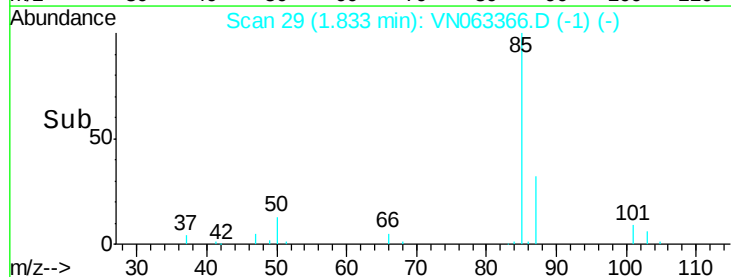
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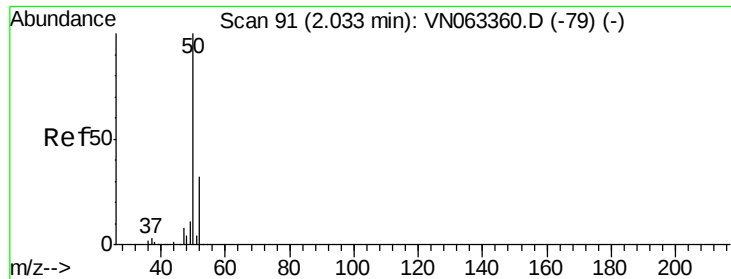
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 19.311 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 50 Resp: 74564

Ion Ratio Lower Upper

50 100

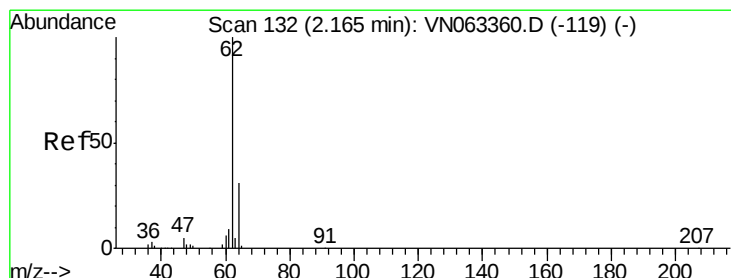
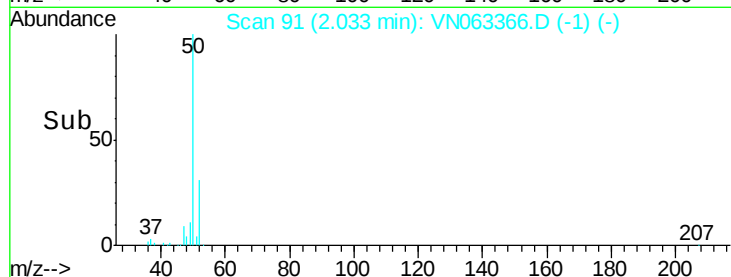
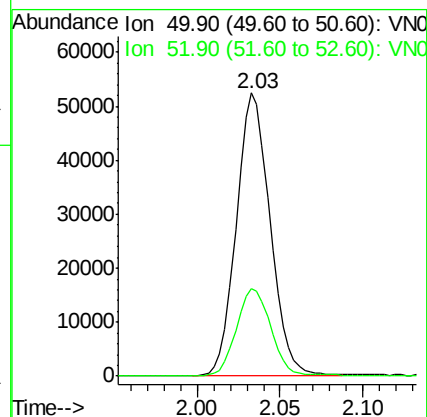
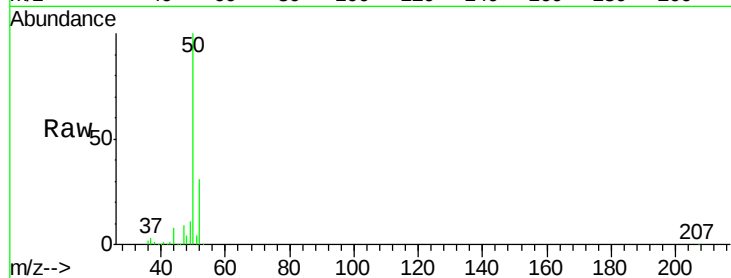
52 30.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.374 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063366.D

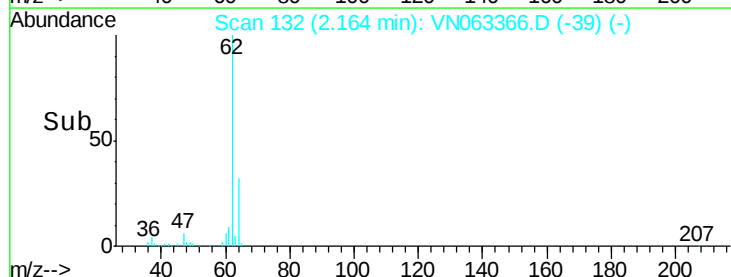
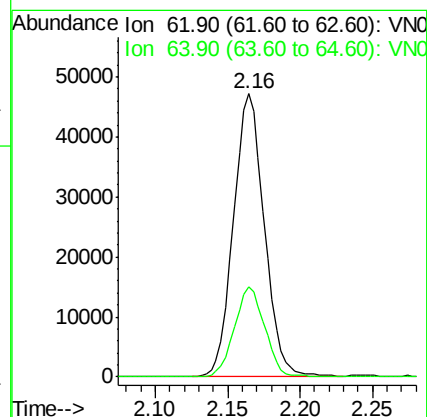
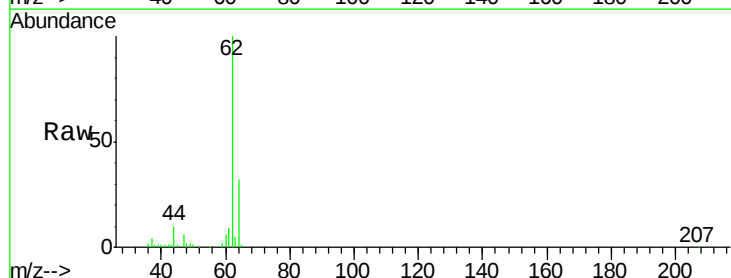
Acq: 16 Sep 2020 15:55

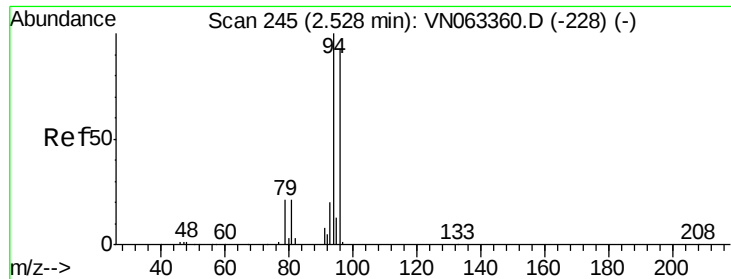
Tgt Ion: 62 Resp: 69698

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 21.063 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 94 Resp: 42783

Ion Ratio Lower Upper

94 100

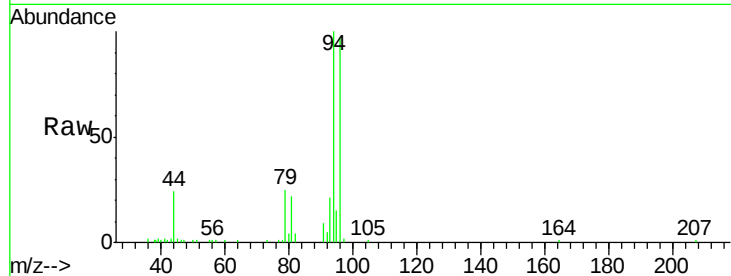
96 96.5 74.5 111.7

Manual Integrations

APPROVED

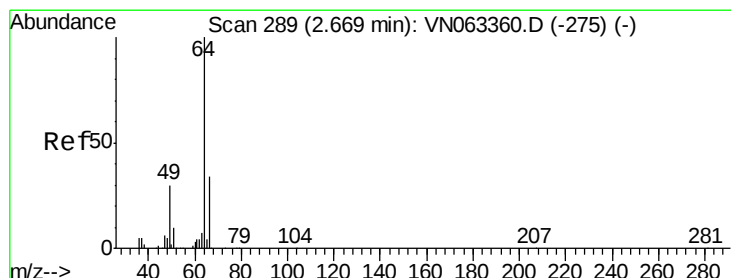
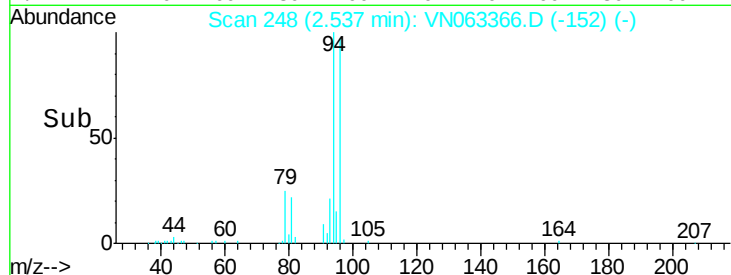
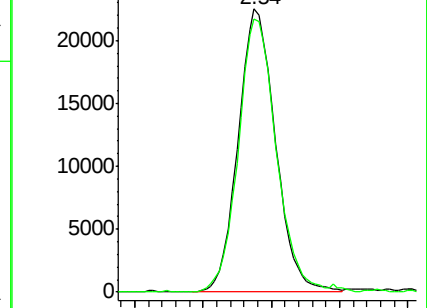
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.598 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN063366.D

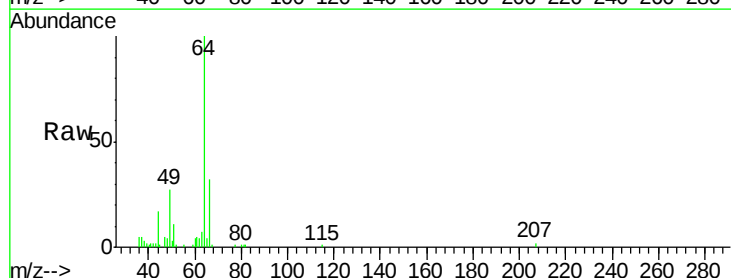
Acq: 16 Sep 2020 15:55

Tgt Ion: 64 Resp: 41154

Ion Ratio Lower Upper

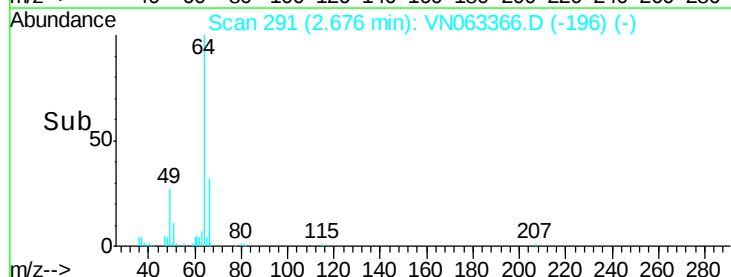
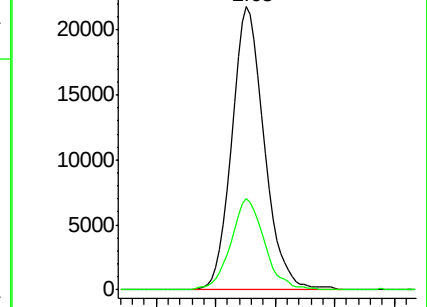
64 100

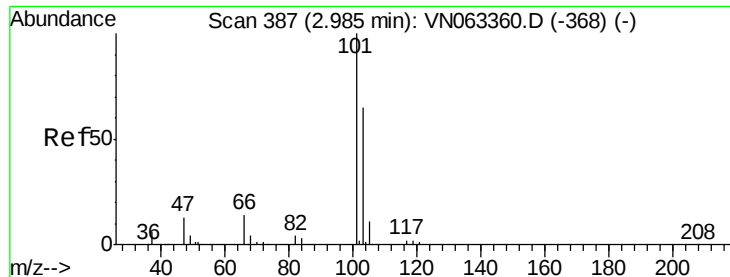
66 32.1 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

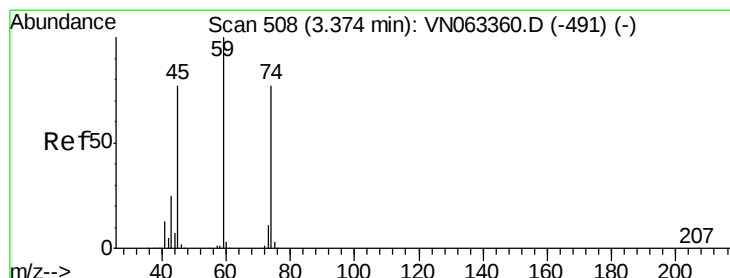
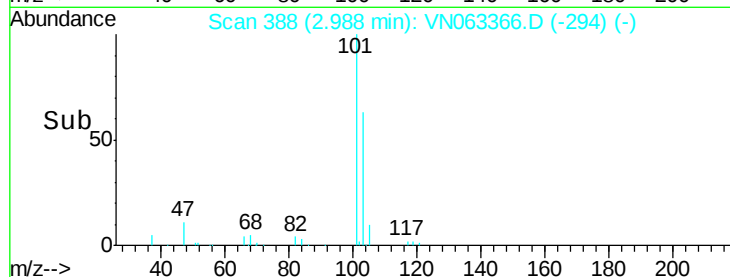
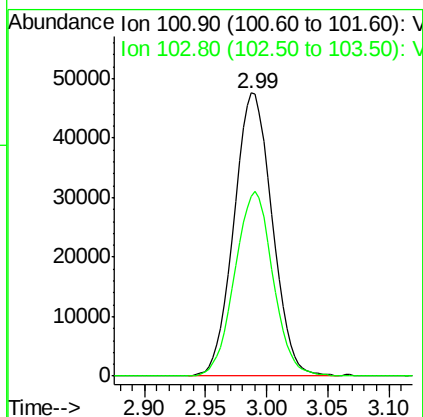
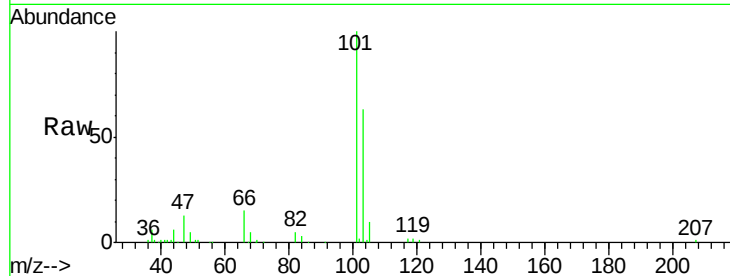
Trichlorofluoromethane
 Concen: 20.302 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
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 VN0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	103622		
103	63.4	52.3	78.5	

Manual Integrations
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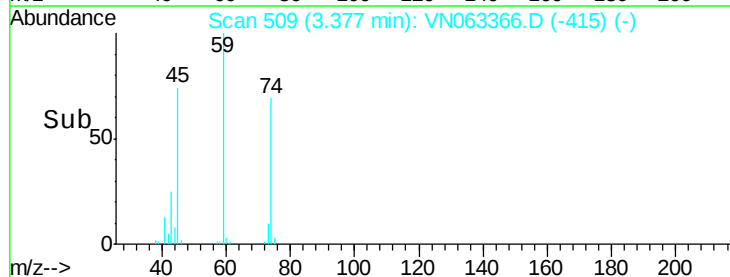
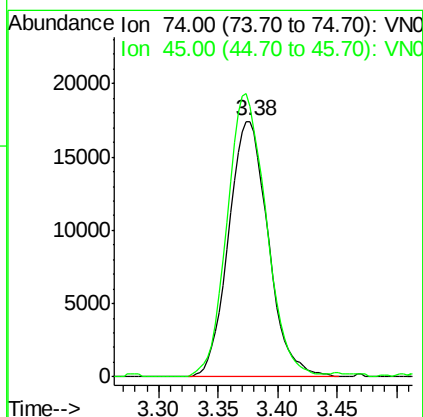
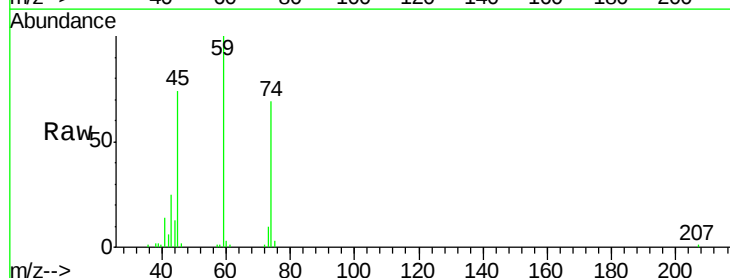
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 9/17/2020 1:08:50 PM

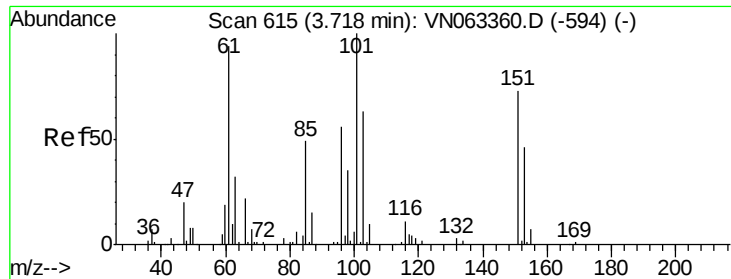


#8

Diethyl Ether
 Concen: 20.268 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40327		
45	109.7	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.302 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

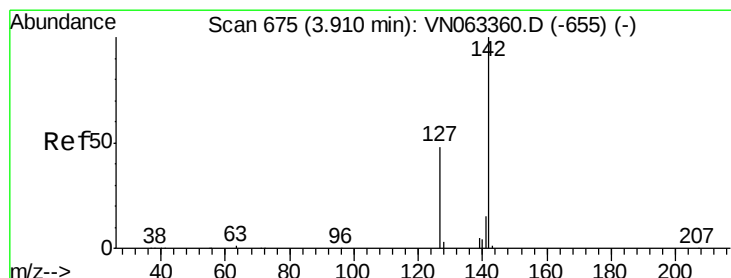
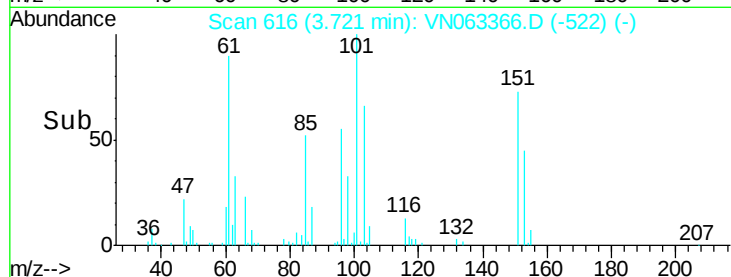
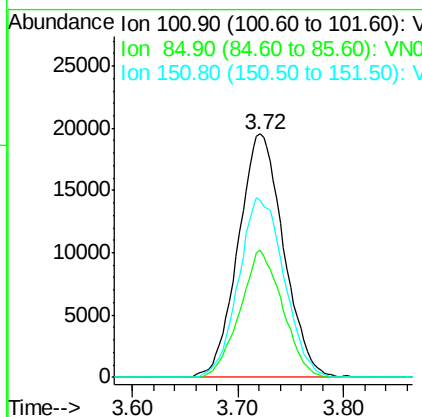
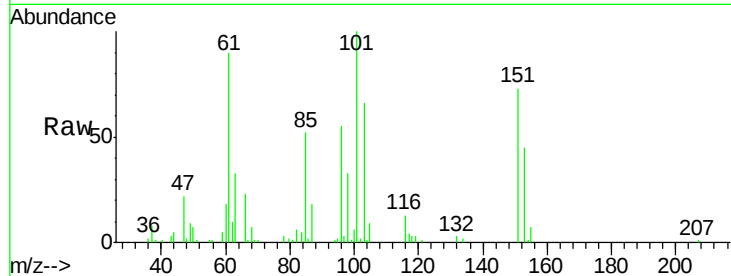
ClientSampled :

VN0916WBSD01

Tot Ion:	101	Resp:	58274
Ion Ratio	Lower	Upper	
101	100		
85	48.9	37.7	56.5
151	74.1	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.374 ug/l

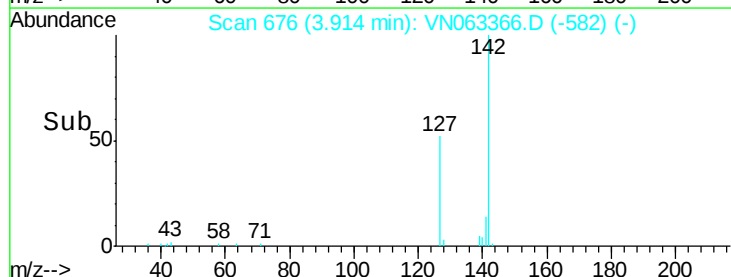
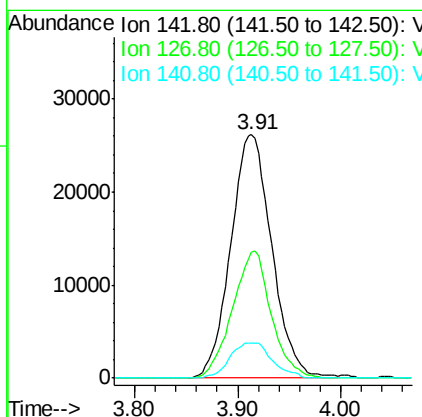
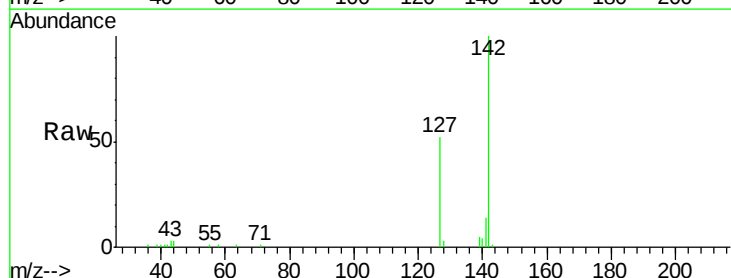
RT: 3.91 min Scan# 676

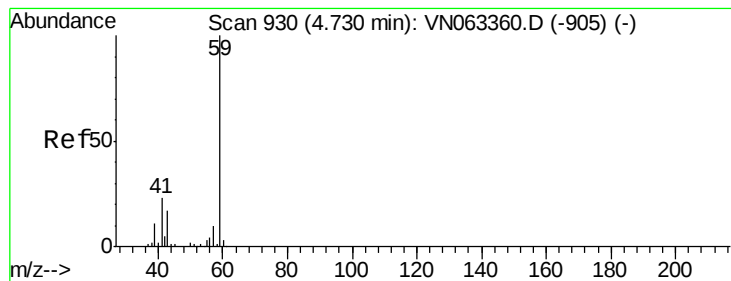
Delta R.T. 0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	142	Resp:	72404
Ion Ratio	Lower	Upper	
142	100		
127	49.2	39.0	58.6
141	14.9	11.6	17.4





#11

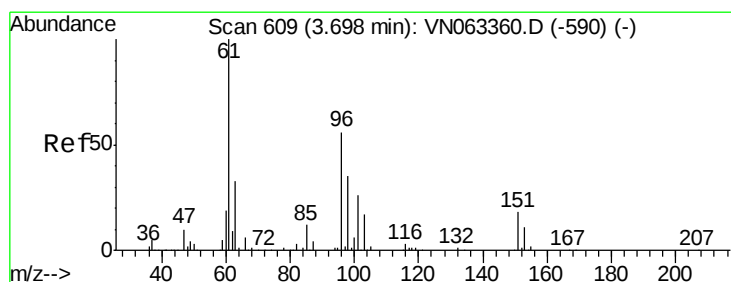
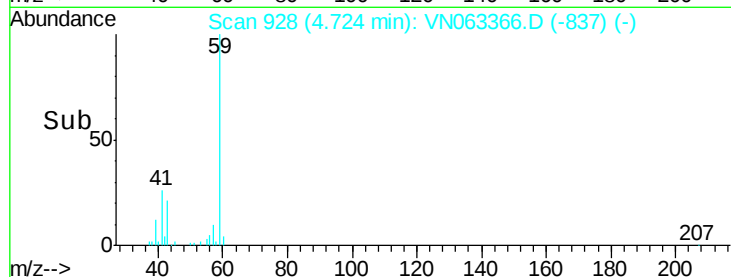
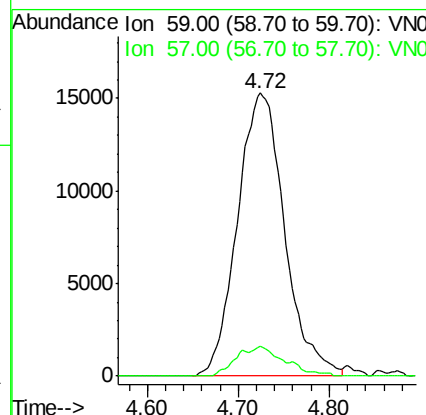
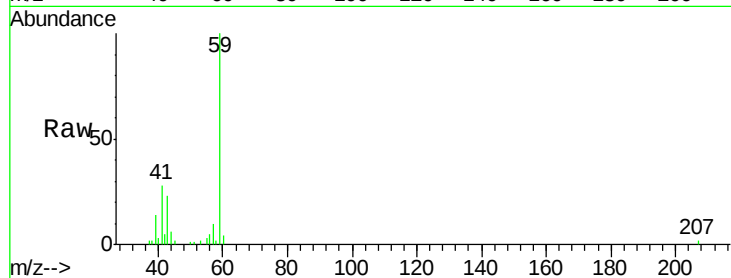
Tert butyl alcohol
 Concen: 90.616 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.4	8.4	12.6#

Manual Integrations
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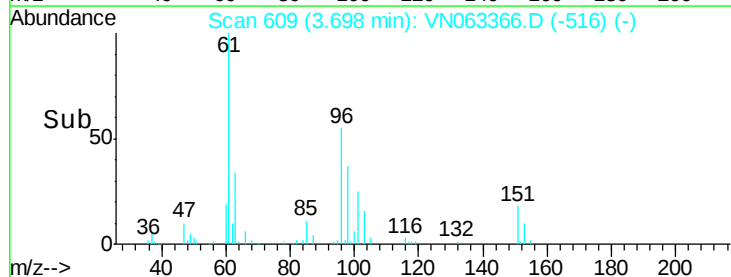
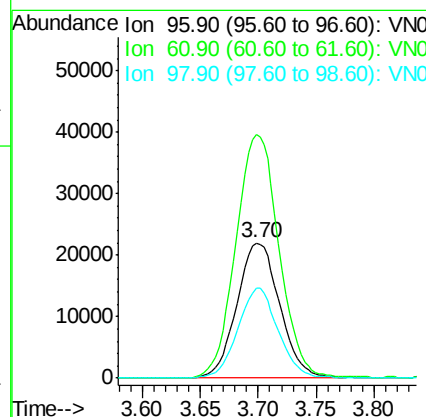
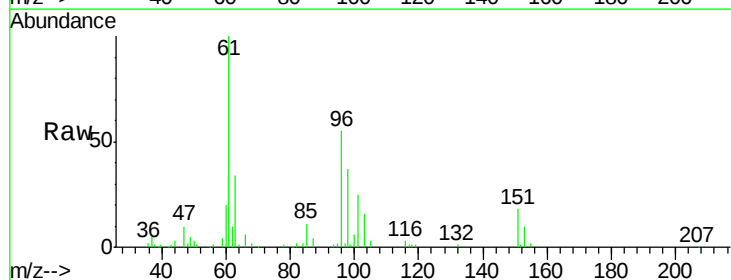
MMDadoda
 9/17/2020 1:08:50 PM

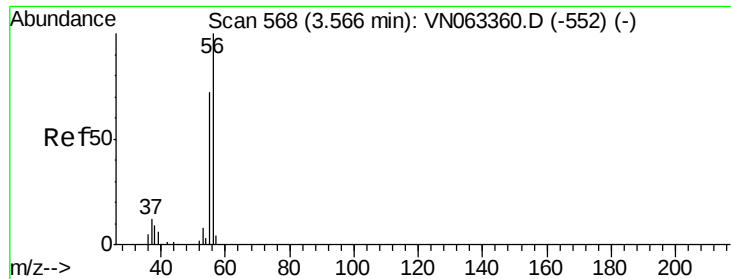


#12

1,1-Dichloroethene
 Concen: 19.374 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.8	143.4	215.2
98	66.6	50.6	76.0





#13

Acrolein

Concen: 140.064 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 56 Resp: 31536

Ion Ratio Lower Upper

56 100

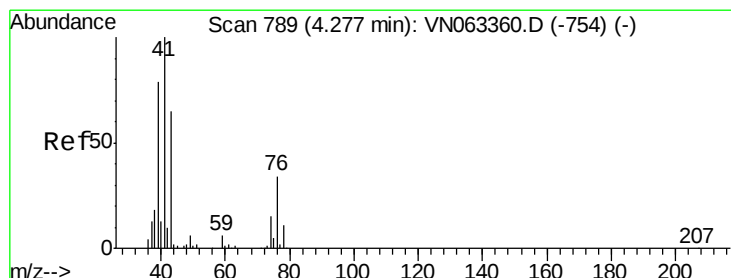
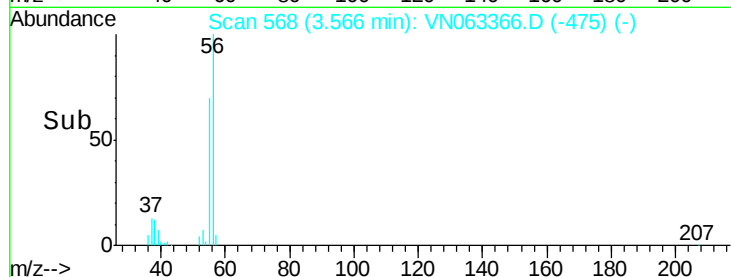
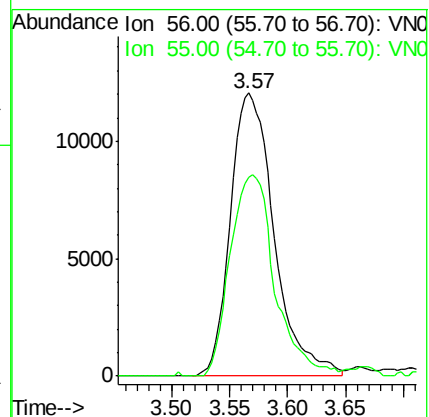
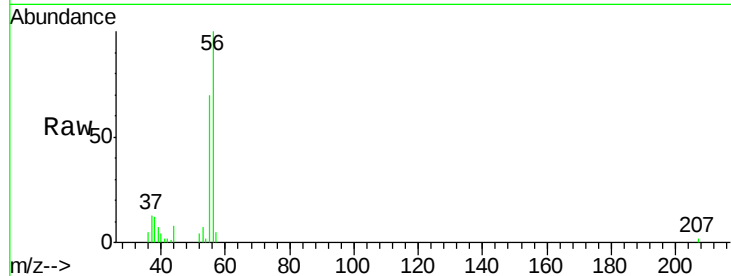
55 72.8 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 20.069 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

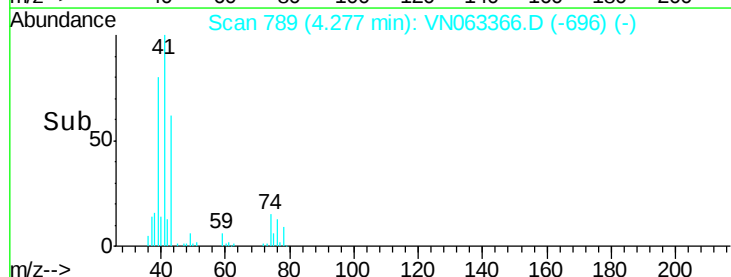
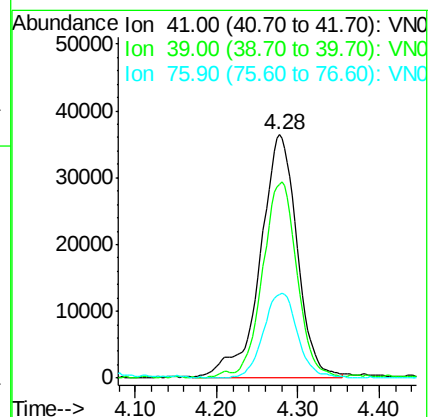
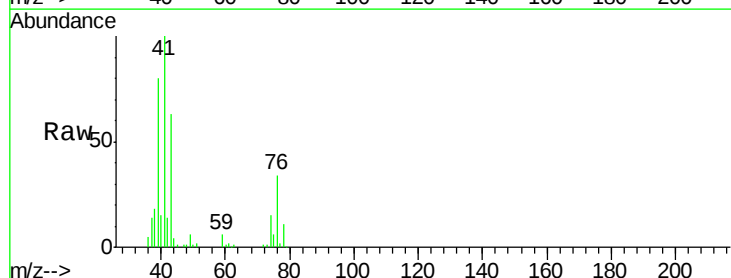
Tgt Ion: 41 Resp: 115415

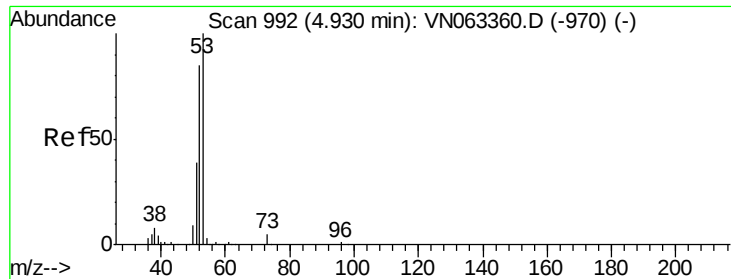
Ion Ratio Lower Upper

41 100

39 73.3 59.3 88.9

76 32.2 25.3 37.9





#15

Acrylonitrile

Concen: 97.793 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

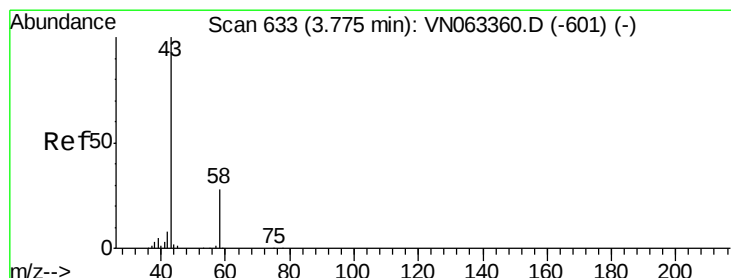
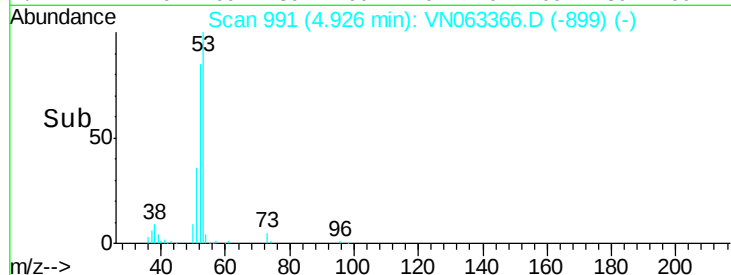
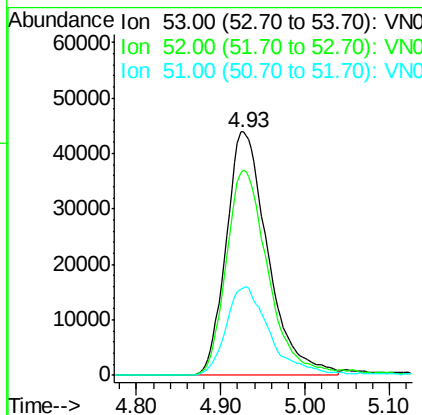
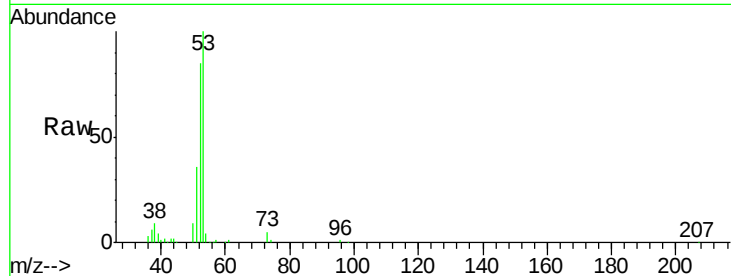
ClientSampleId :

VN0916WBSD01

Tot Ion:	53	Resp:	151133
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.4	99.6
51	37.6	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 92.468 ug/l

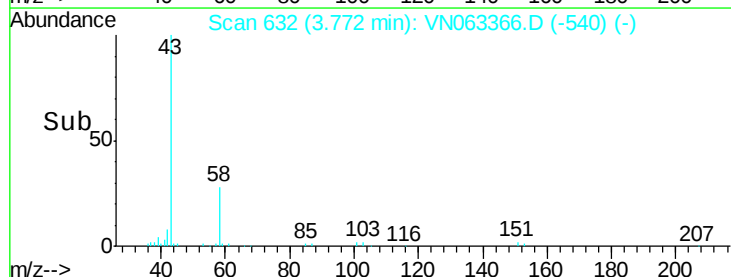
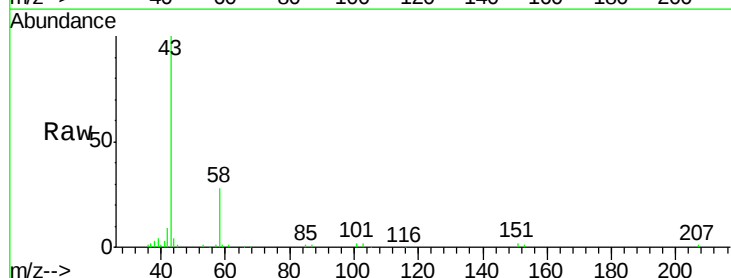
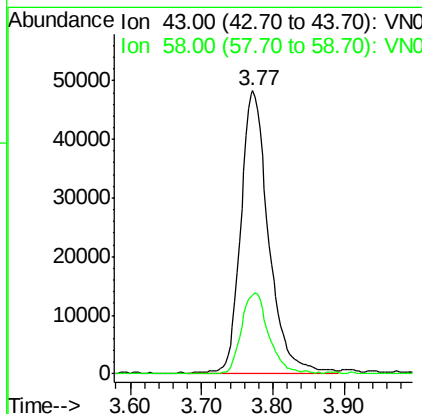
RT: 3.77 min Scan# 632

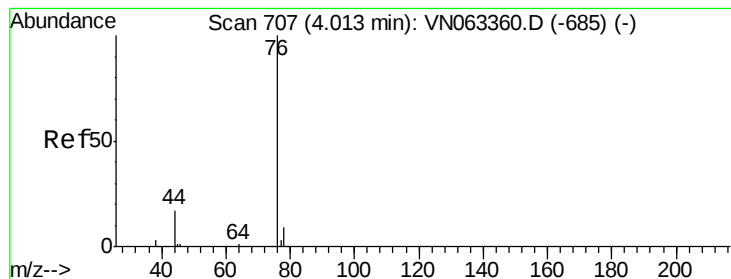
Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	43	Resp:	130330
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.3	33.5





#17

Carbon Disulfide

Concen: 19.773 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 76 Resp: 167216

Ion Ratio Lower Upper

76 100

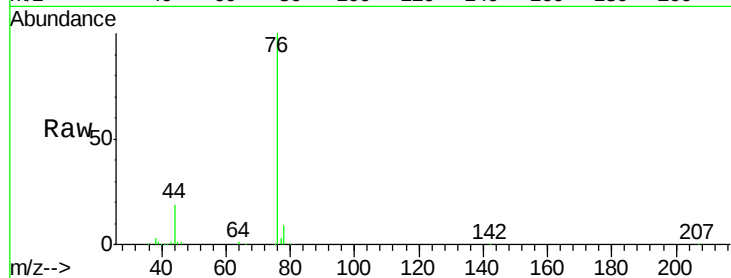
78 8.9 7.2 10.8

Manual Integrations

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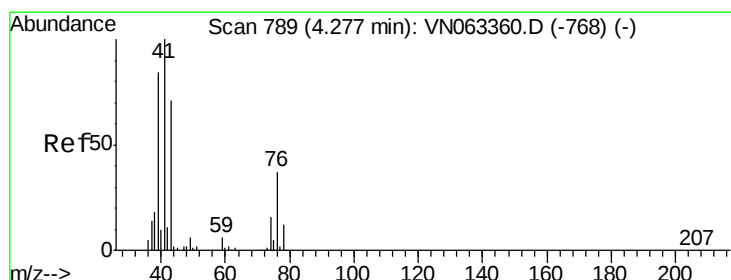
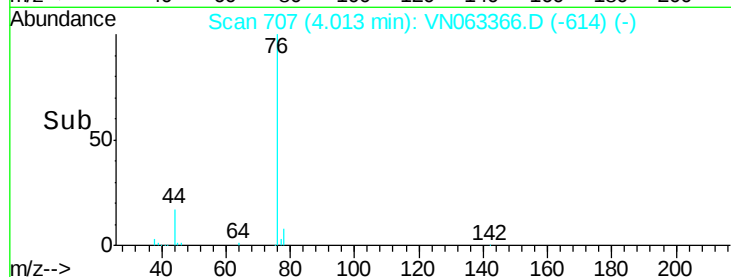
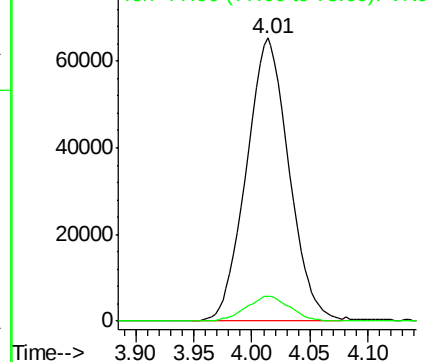
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.619 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063366.D

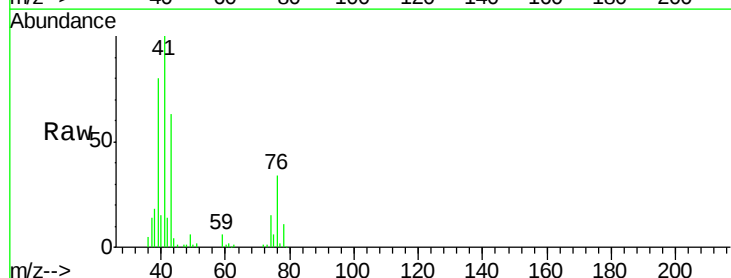
Acq: 16 Sep 2020 15:55

Tgt Ion: 43 Resp: 70200

Ion Ratio Lower Upper

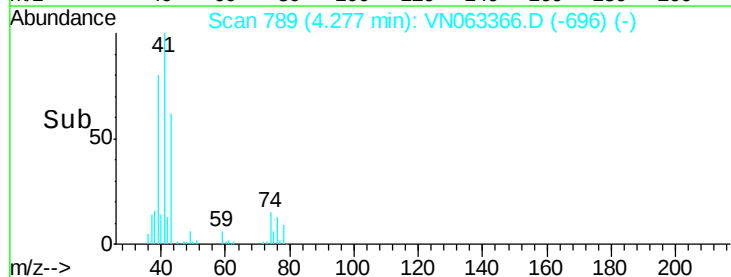
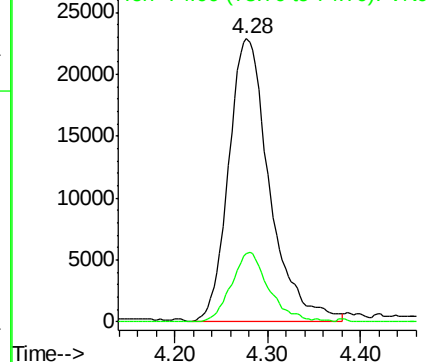
43 100

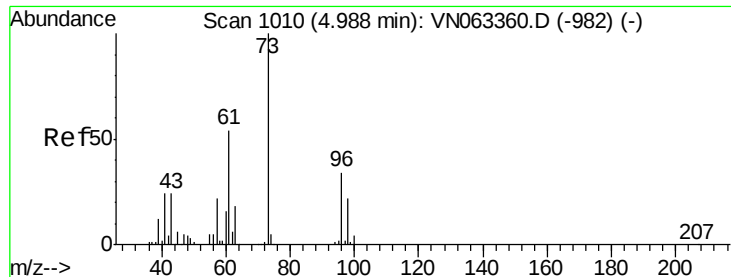
74 22.4 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





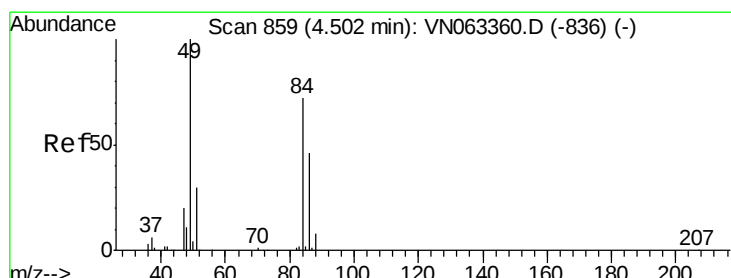
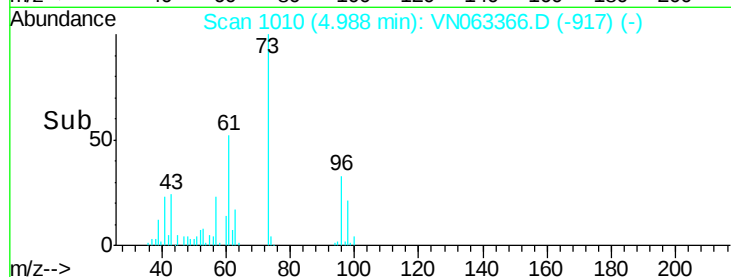
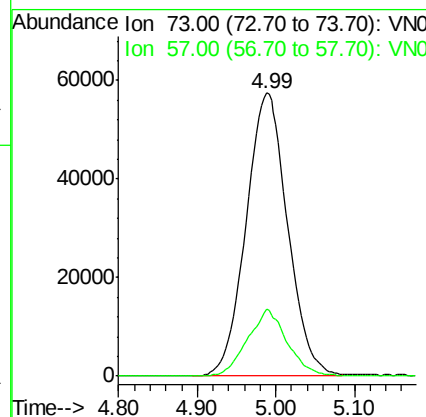
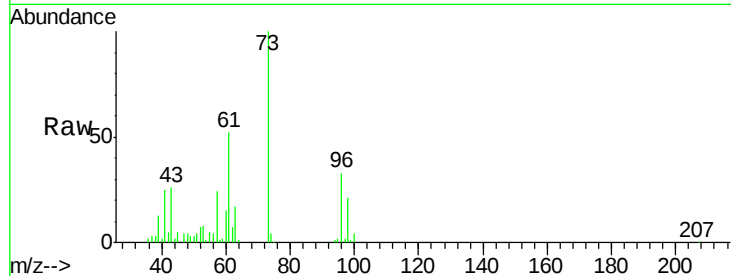
#19
Methvl tert-butvl Ether
Concen: 19.693 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion: 73 Resp: 213390
Ion Ratio Lower Upper
73 100
57 23.5 17.9 26.9

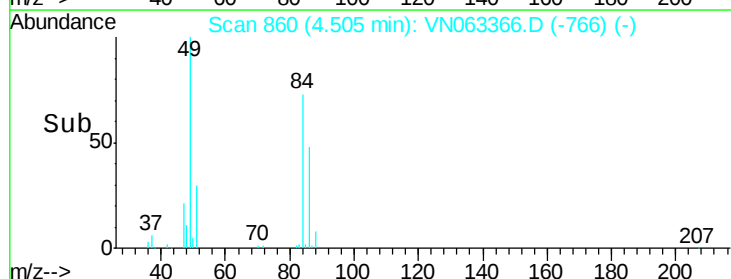
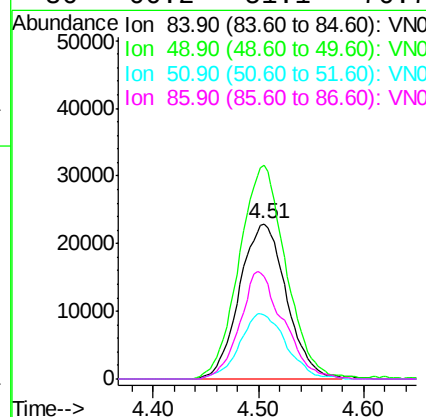
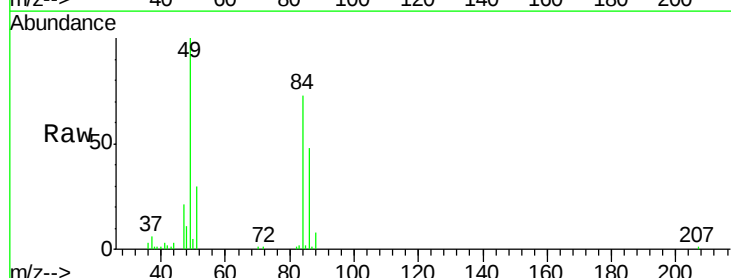
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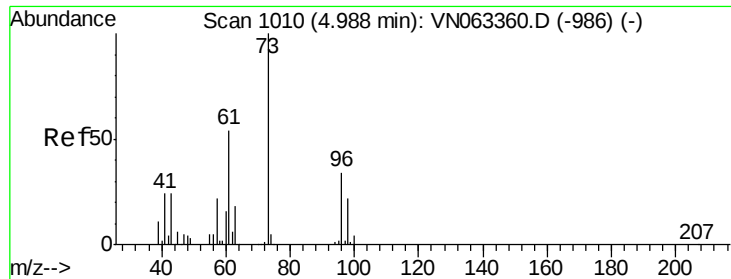
MMDadoda
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#20
Methylene Chloride
Concen: 19.884 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion: 84 Resp: 71006
Ion Ratio Lower Upper
84 100
49 137.3 110.7 166.1
51 41.5 32.9 49.3
86 66.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.662 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

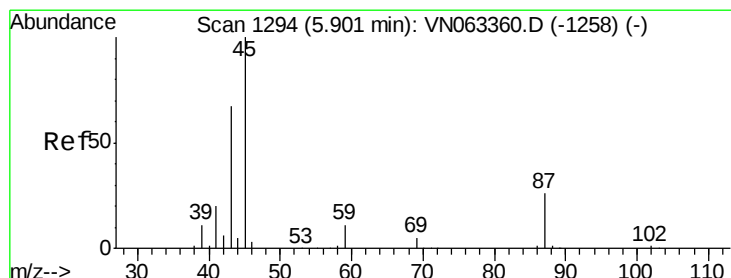
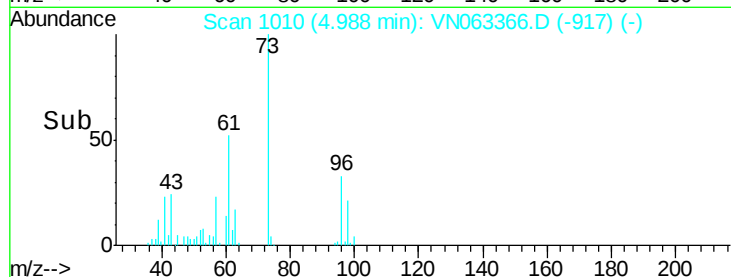
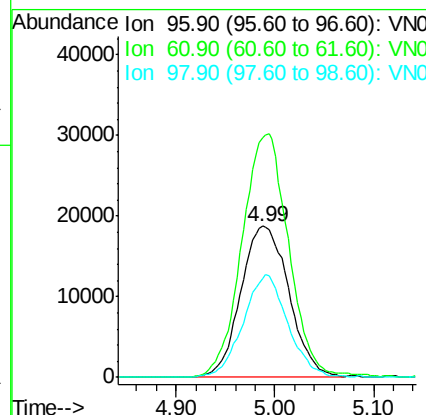
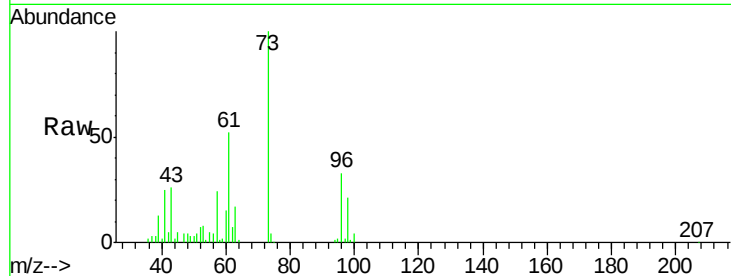
ClientSampleId :

VN0916WBSD01

Tot Ion:	96	Resp:	63335
Ion	Ratio	Lower	Upper
96	100		
61	158.9	126.2	189.4
98	65.5	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.571 ug/l

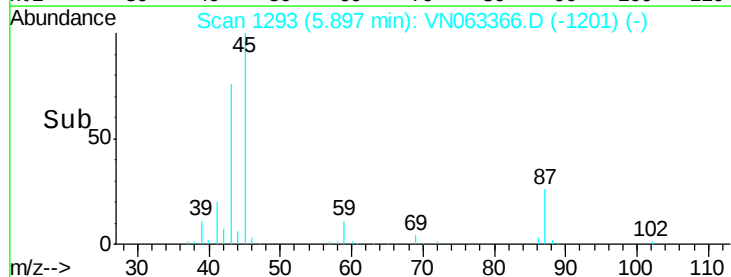
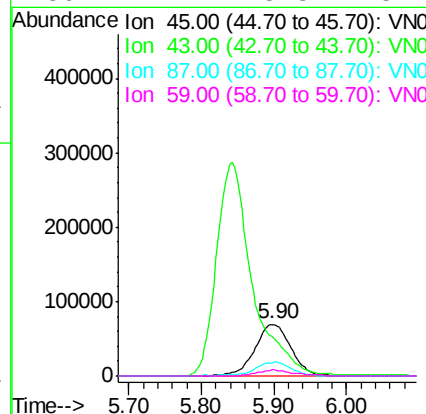
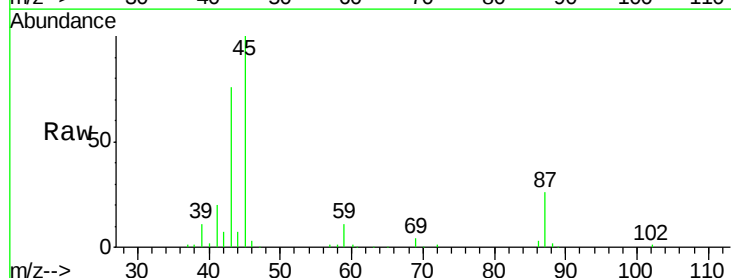
RT: 5.90 min Scan# 1293

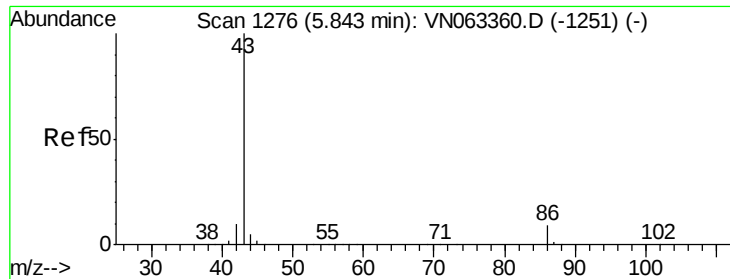
Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	45	Resp:	241266
Ion	Ratio	Lower	Upper
45	100		
43	73.3	53.5	80.3
87	25.8	21.2	31.8
59	11.2	8.8	13.2





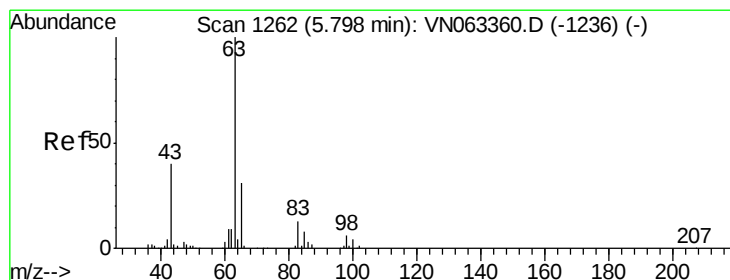
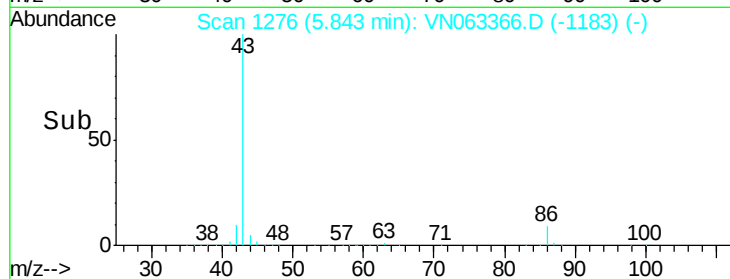
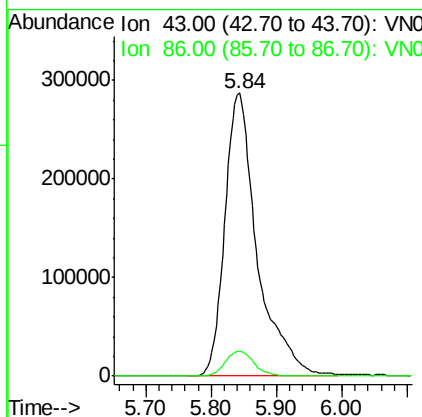
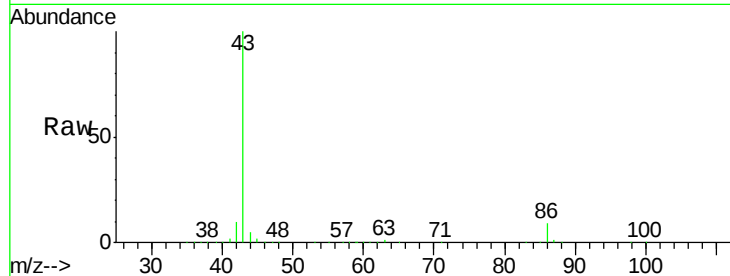
#23
 Vinyl Acetate
 Concen: 102.409 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tot Ion	43	Resp	986445
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	7.1	10.7

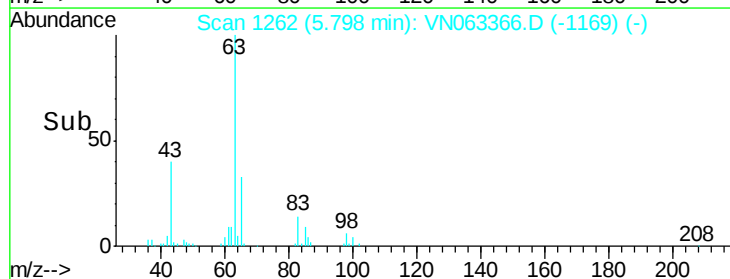
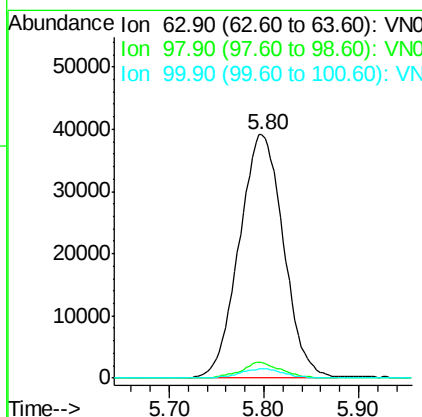
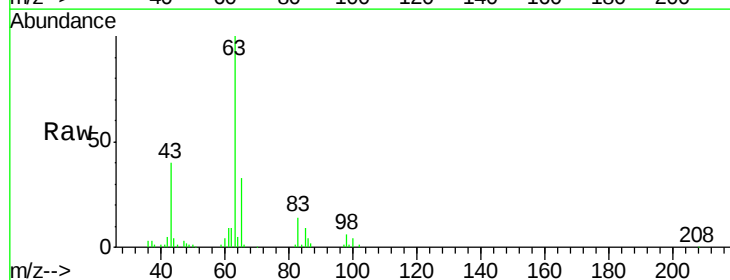
Manual Integrations
 APPROVED

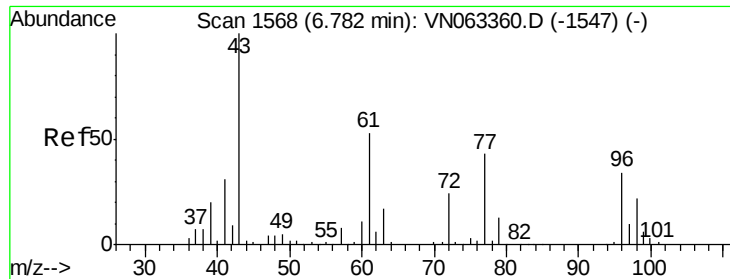
MMDadoda
 9/17/2020 1:08:50 PM



#24
 1,1-Dichloroethane
 Concen: 19.889 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion	63	Resp	127354
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	2.9	8.8
100	3.8	2.1	6.3





#25

2-Butanone

Concen: 94.131 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 43 Resp: 204049

Ion Ratio Lower Upper

43 100

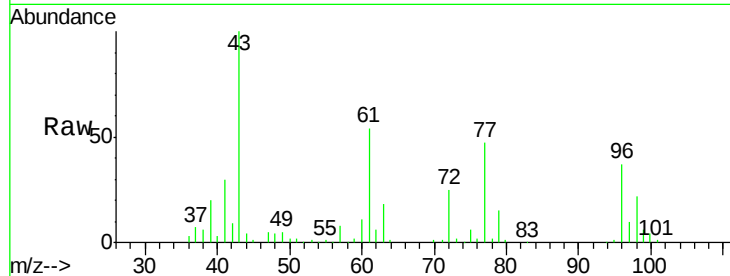
72 25.6 19.2 28.8

Manual Integrations

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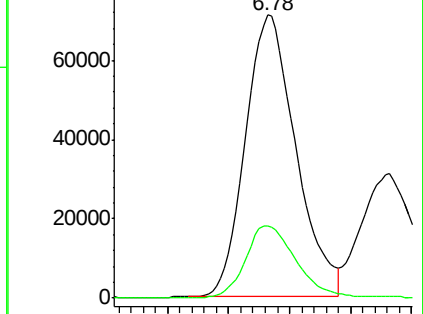
MMDadoda

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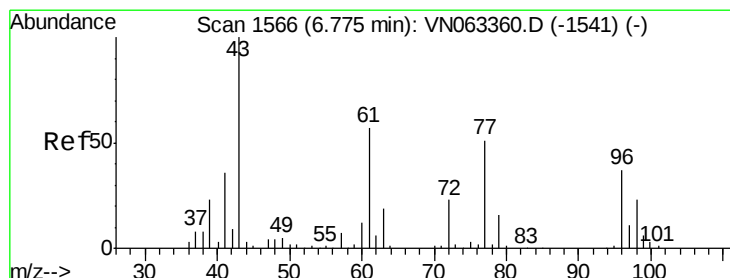
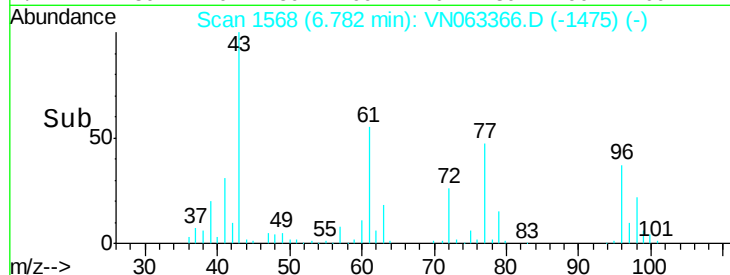


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 19.725 ug/l m

RT: 6.78 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN063366.D

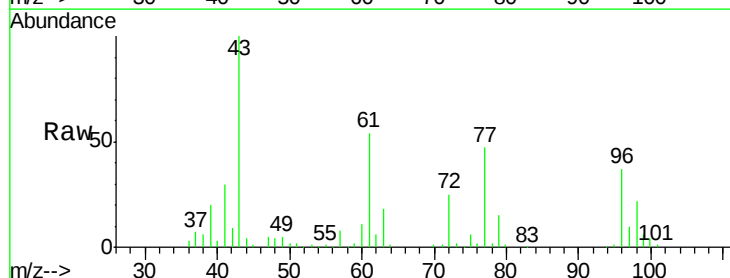
Acq: 16 Sep 2020 15:55

Tgt Ion: 77 Resp: 111205

Ion Ratio Lower Upper

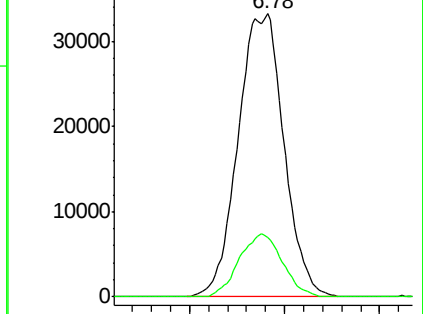
77 100

97 21.0 10.5 31.6

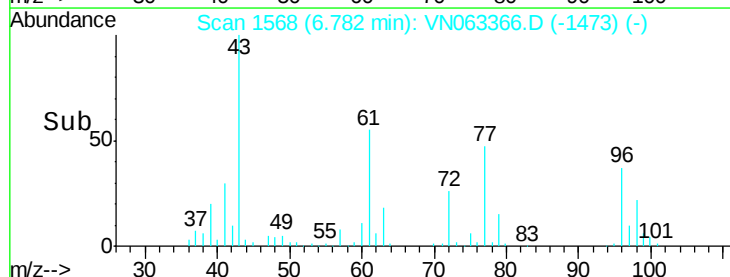


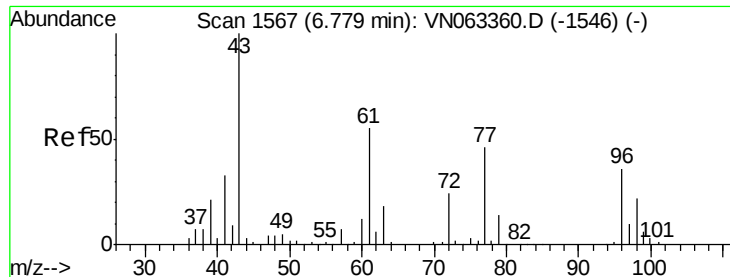
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.151 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

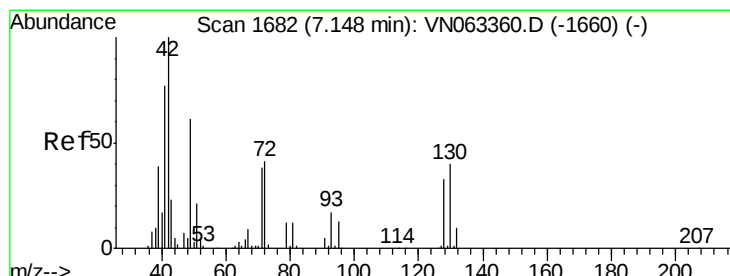
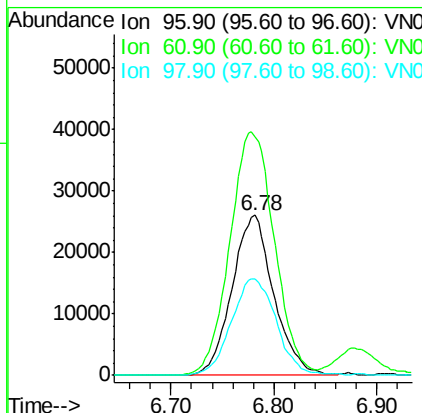
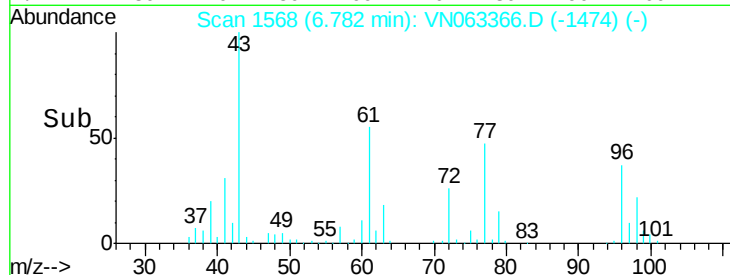
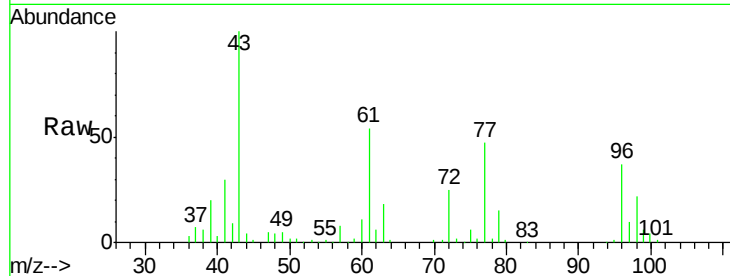
ClientSampleID :

VN0916WBSD01

Tot Ion:	96	Resp:	73468
Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	319.6
98	64.8	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 18.497 ug/l

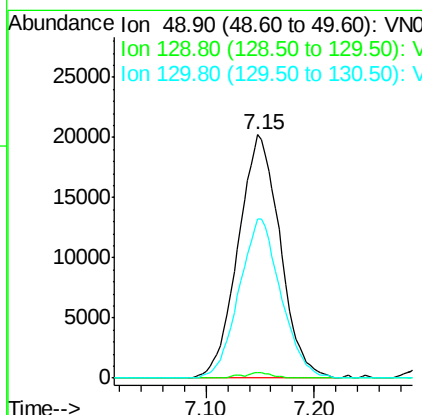
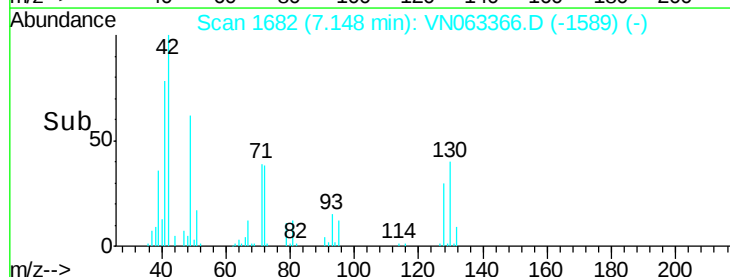
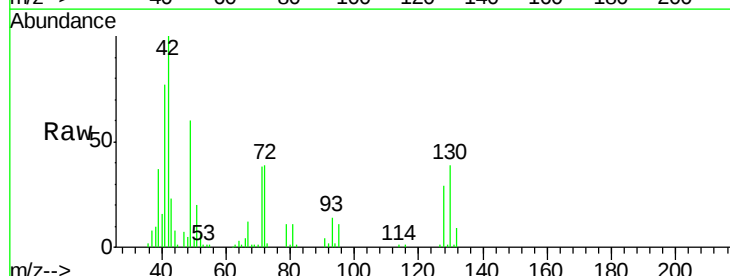
RT: 7.15 min Scan# 1682

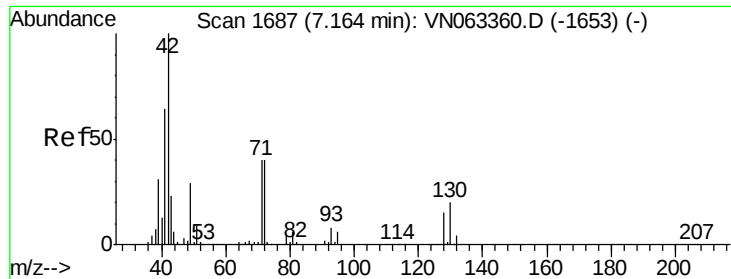
Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	49	Resp:	54688
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	65.1	52.2	78.2





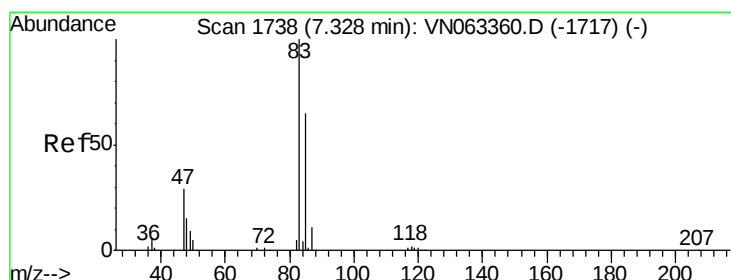
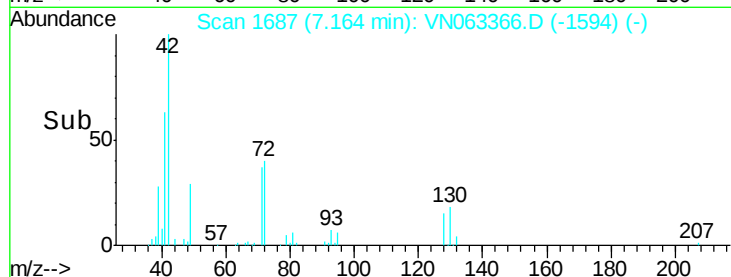
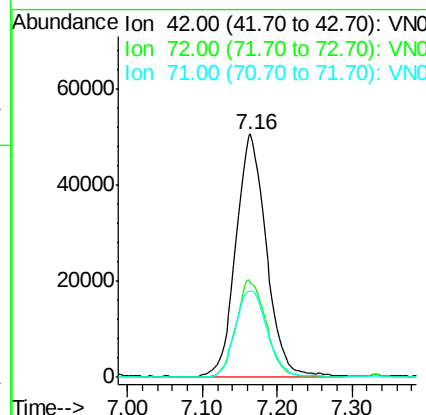
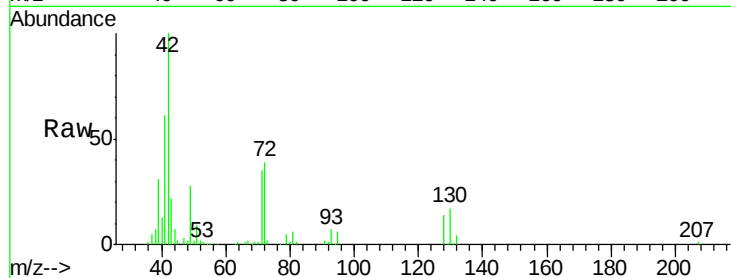
#29
Tetrahydrofuran
Concen: 97.439 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.1	48.1
71	37.3	31.2	46.8

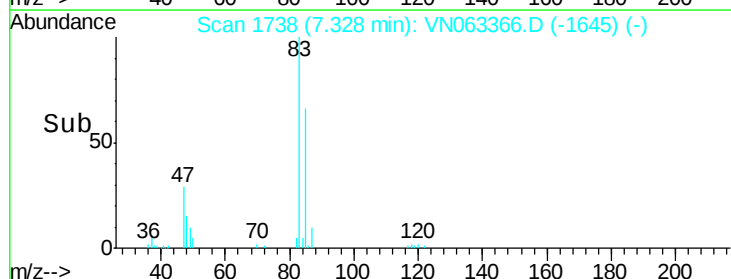
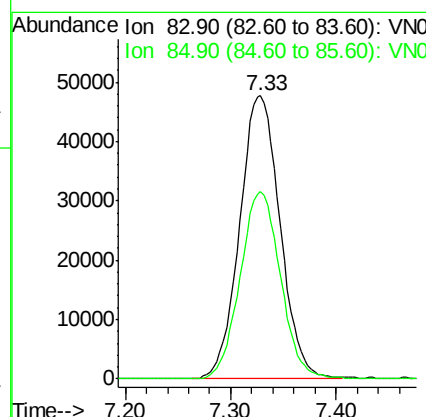
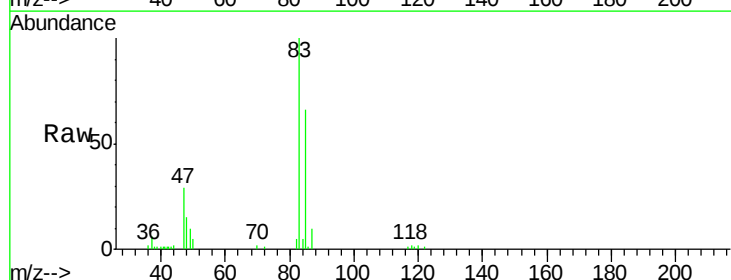
Manual Integrations
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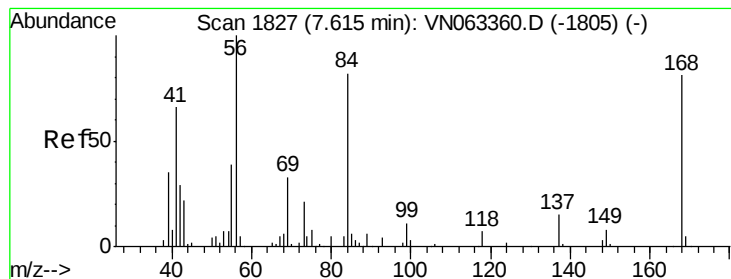
MMDadoda
9/17/2020 1:08:50 PM



#30
Chloroform
Concen: 19.761 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.1	78.1





#31

Cvclohexane

Concen: 19.510 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

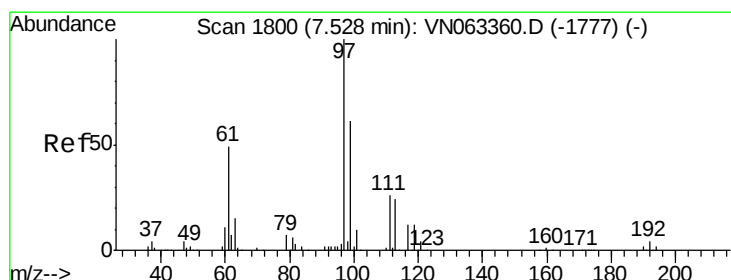
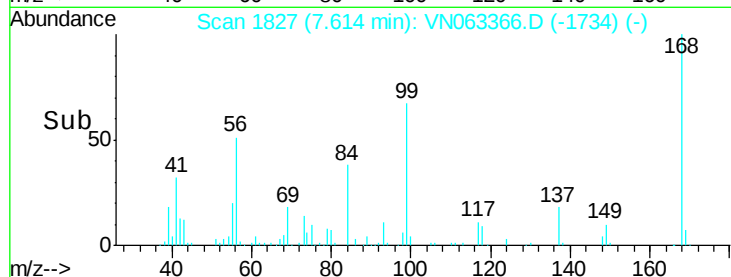
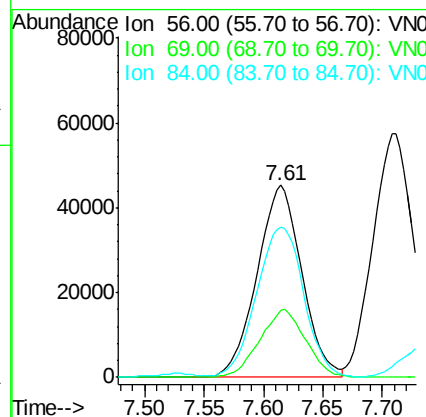
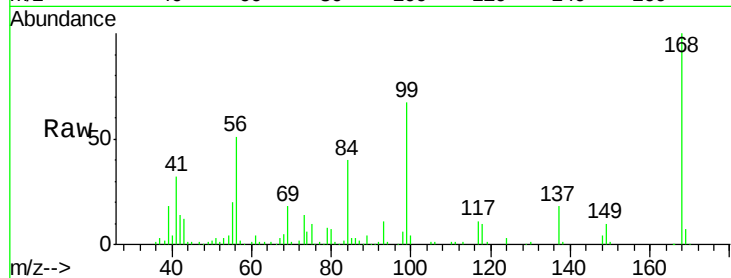
ClientSampleId :

VN0916WBSD01

Tot Ion:	56	Resp:	118174
Ion	Ratio	Lower	Upper
56	100		
69	34.5	26.1	39.1
84	76.8	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.446 ug/l

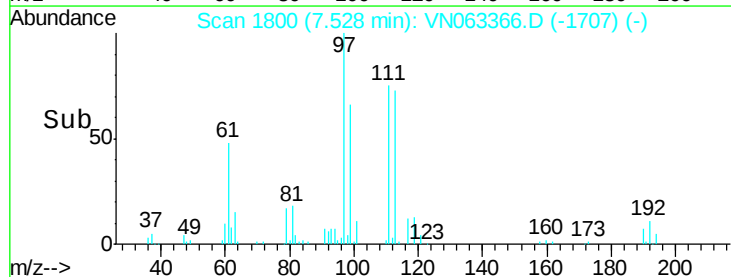
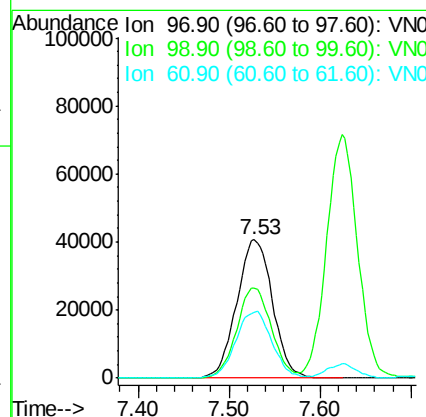
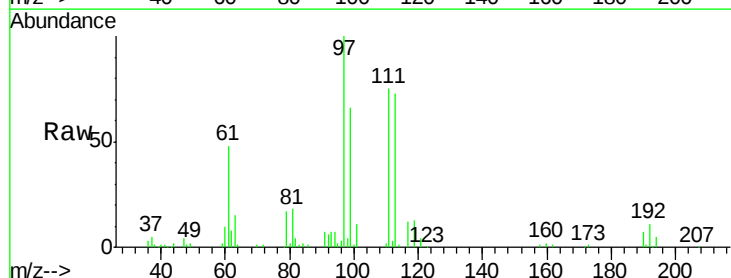
RT: 7.53 min Scan# 1800

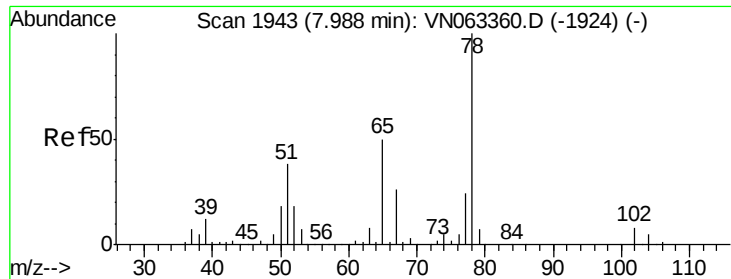
Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	97	Resp:	111118
Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	48.9	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 51.654 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 65 Resp: 226535

Ion Ratio Lower Upper

65 100

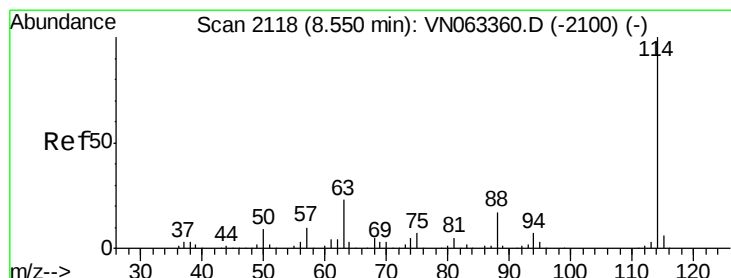
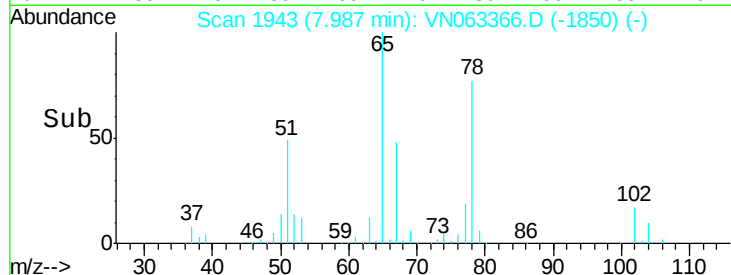
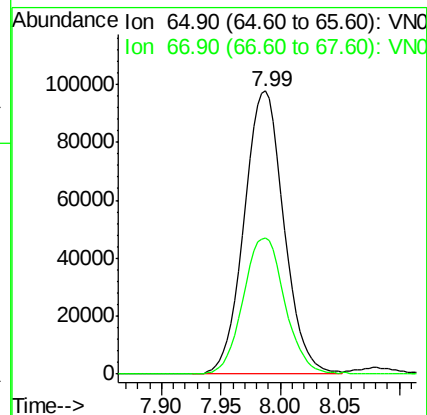
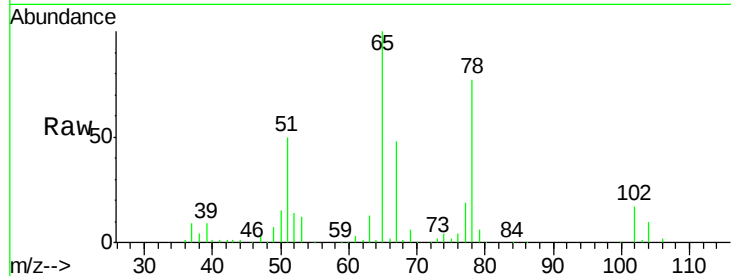
67 50.4 0.0 104.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

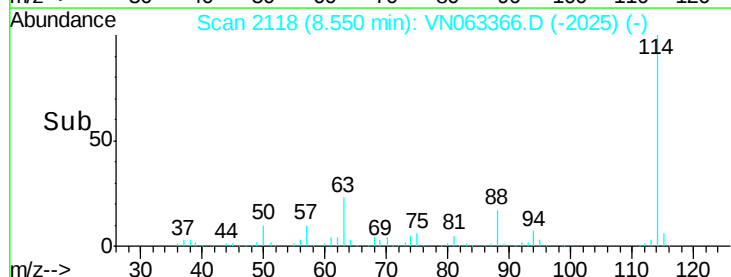
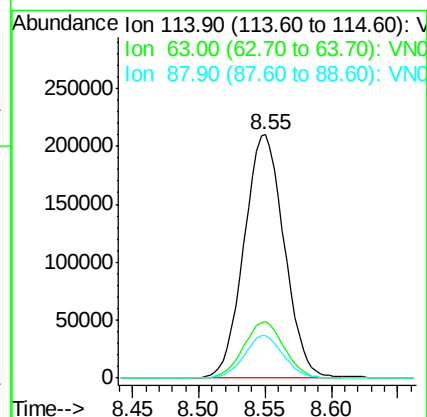
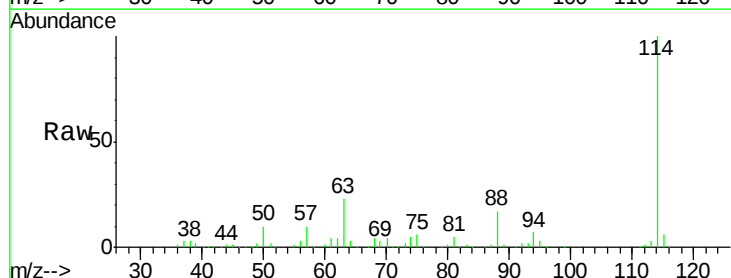
Tgt Ion: 114 Resp: 442885

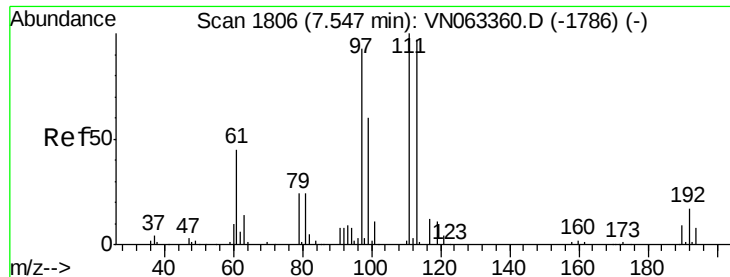
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.4

88 17.4 0.0 33.2





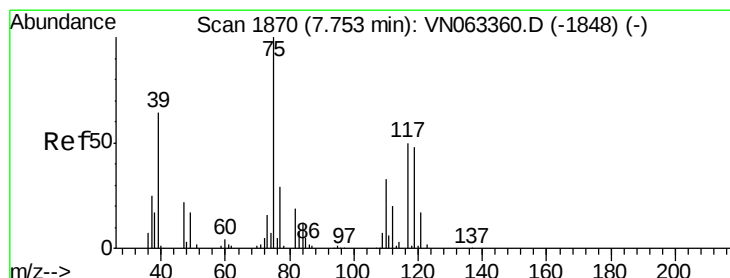
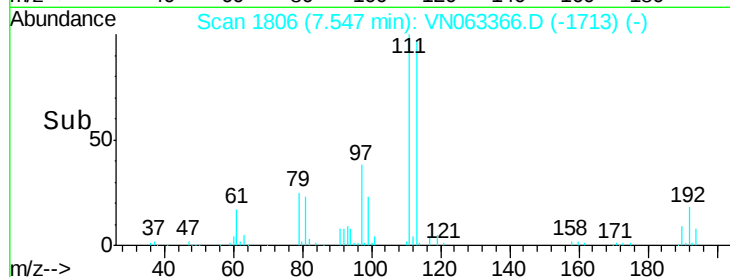
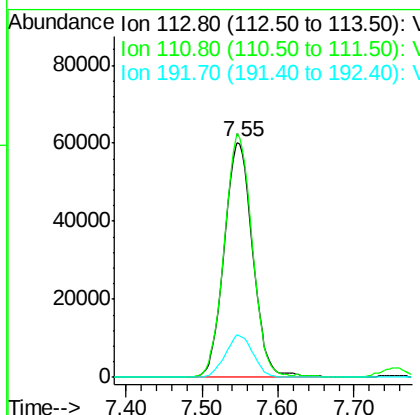
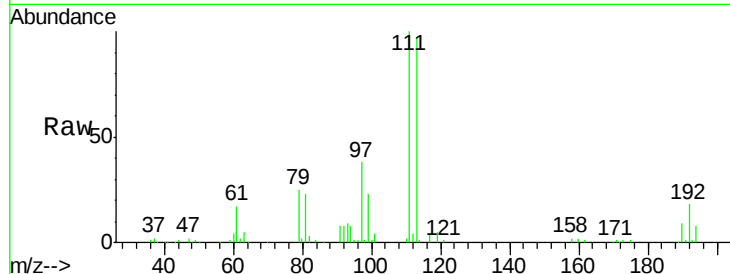
#35
Dibromofluoromethane
Concen: 51.235 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157088		
111	101.1	82.9	124.3	
192	17.5	13.9	20.9	

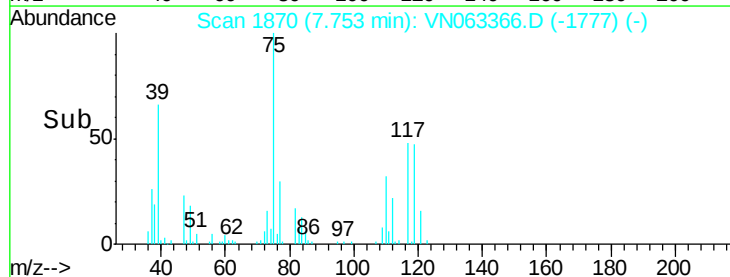
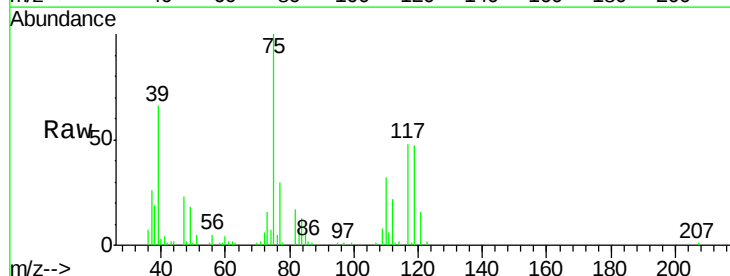
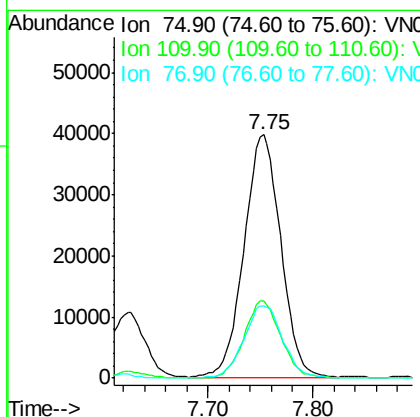
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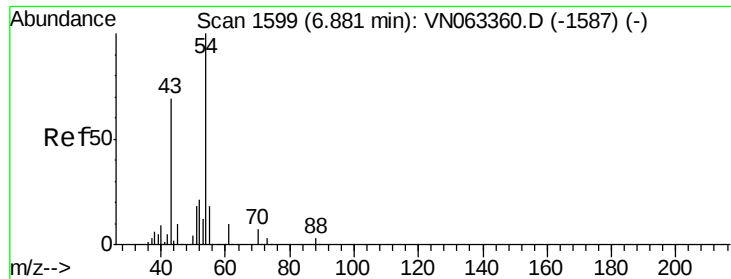
MMDadoda
9/17/2020 1:08:50 PM



#36
1,1-Dichloropropene
Concen: 20.643 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97400		
110	31.4	16.5	49.5	
77	31.3	24.6	36.8	





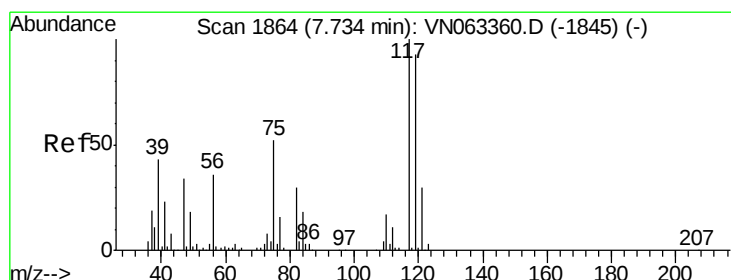
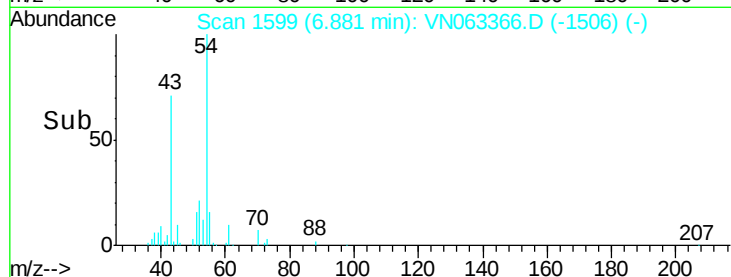
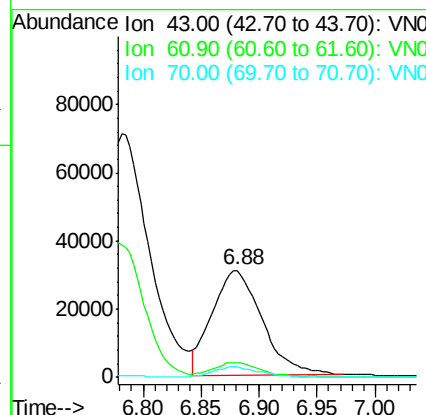
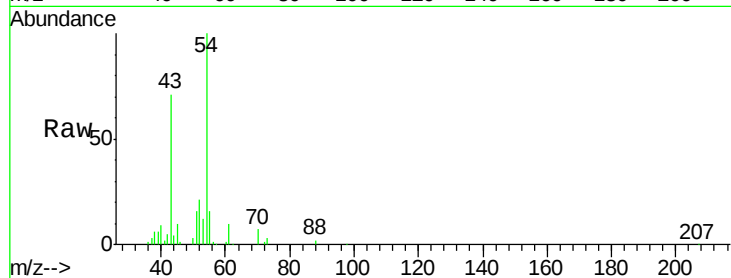
#37
Ethyl Acetate
Concen: 19.832 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.6	15.8
70	9.3	7.2	10.8

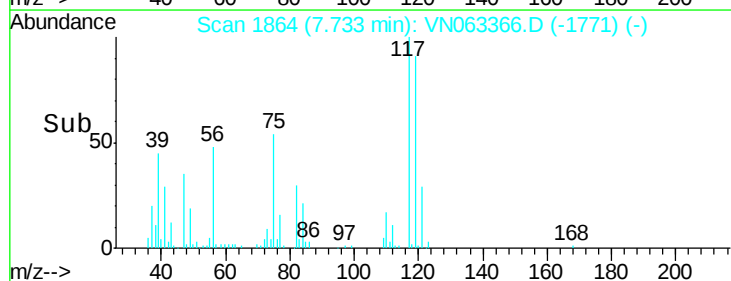
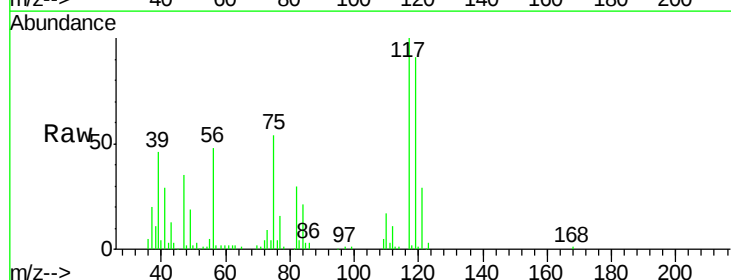
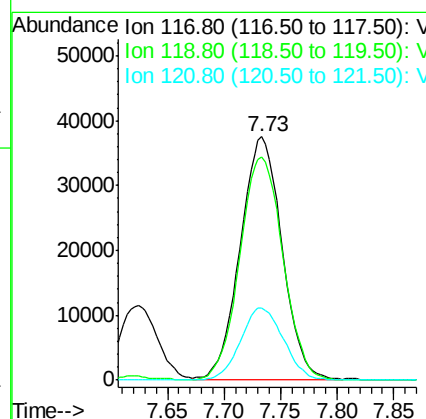
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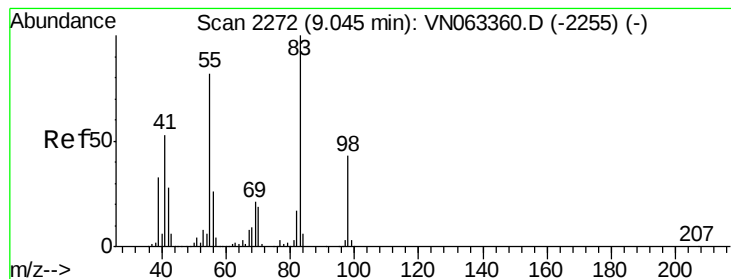
MMDadoda
9/17/2020 1:08:50 PM



#38
Carbon Tetrachloride
Concen: 19.910 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	74.5	111.7
121	29.6	24.1	36.1





#39

Methvlcvclohexane

Concen: 20.185 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

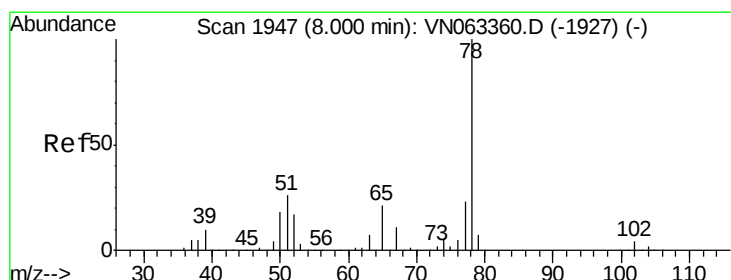
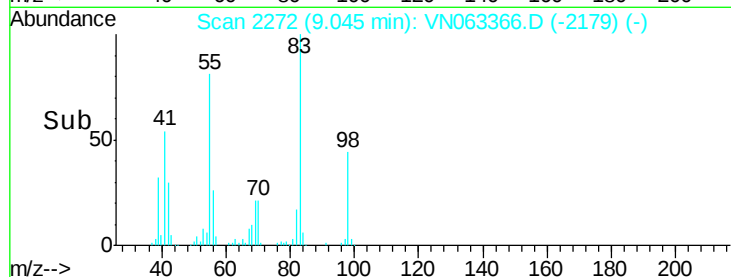
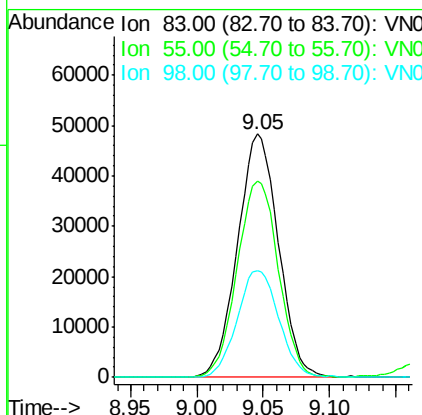
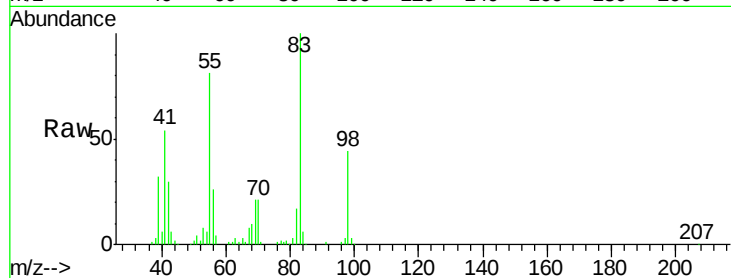
ClientSampleId :

VN0916WBSD01

Tot Ion:	83	Resp:	103364
Ion	Ratio	Lower	Upper
83	100		
55	80.6	65.5	98.3
98	43.6	34.2	51.4

Manual Integrations
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#40

Benzene

Concen: 20.543 ug/l

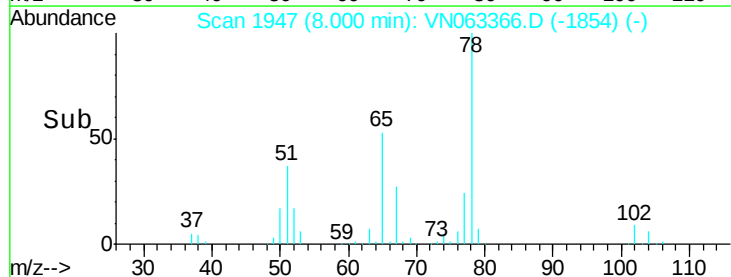
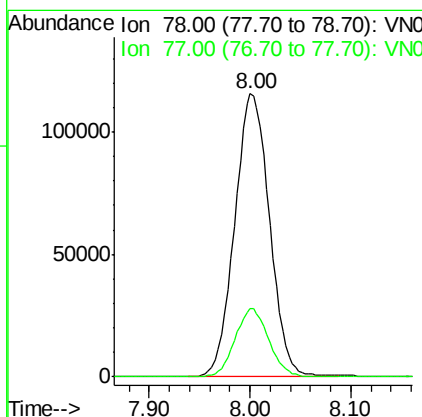
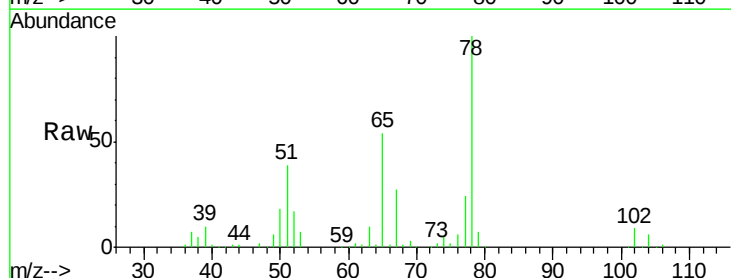
RT: 8.00 min Scan# 1947

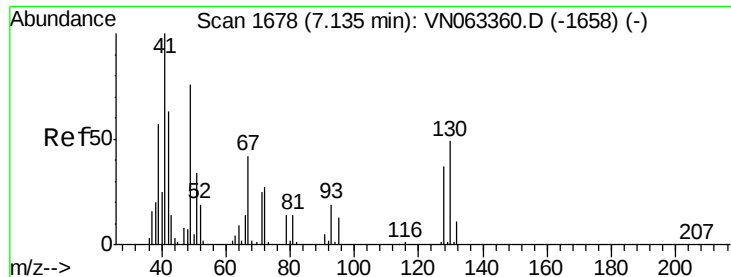
Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	78	Resp:	276698
Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.3	27.5





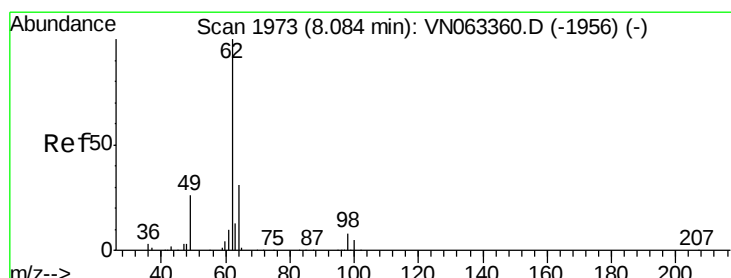
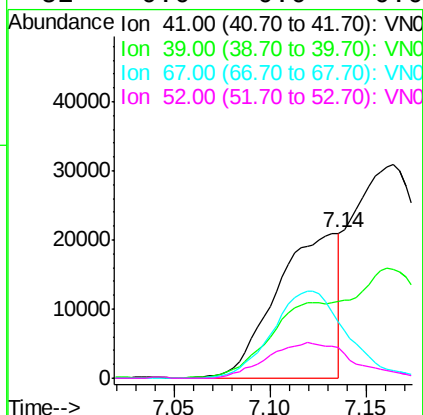
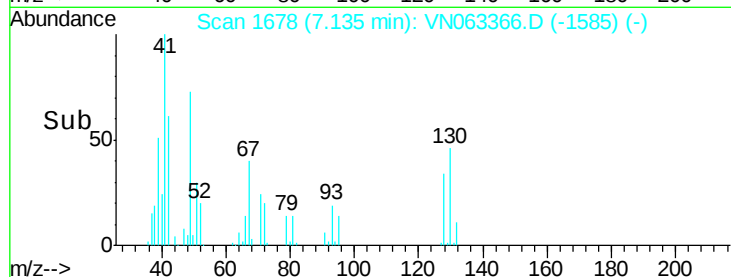
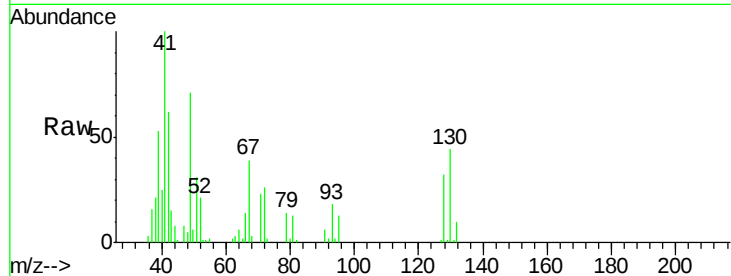
#41
Methacrylonitrile
Concen: 22.620 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		47113		
39	74.1	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

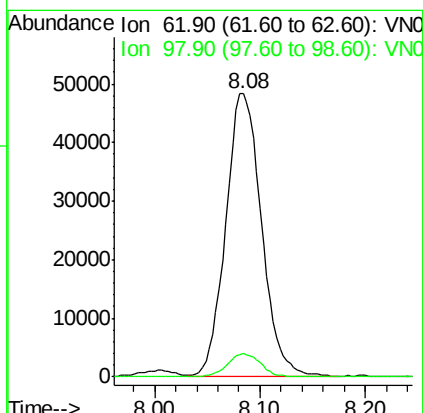
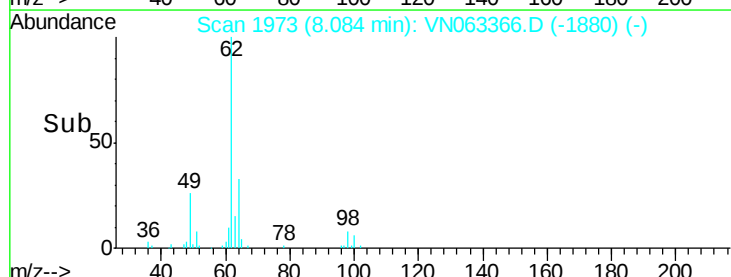
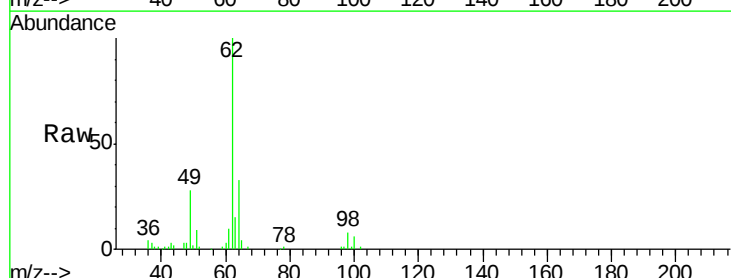
Manual Integrations
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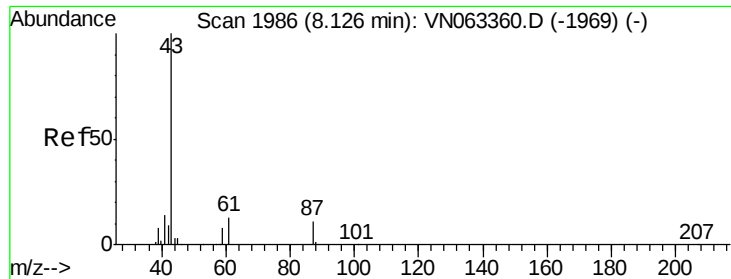
MMDadoda
9/17/2020 1:08:50 PM



#42
1,2-Dichloroethane
Concen: 21.062 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		114083		
98	7.5	0.0	15.6		





#43

Isopropyl Acetate

Concen: 19.368 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

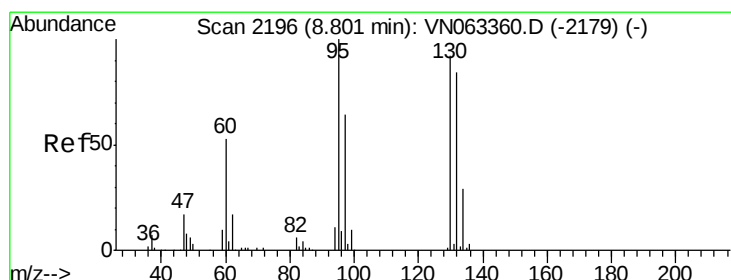
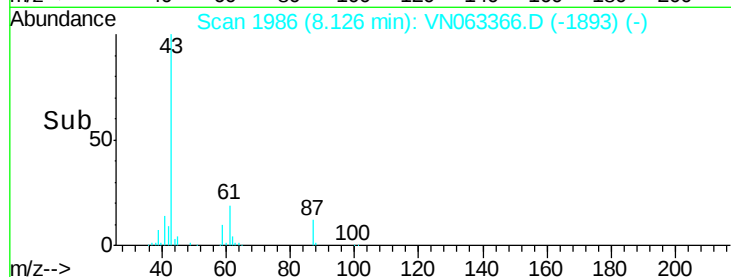
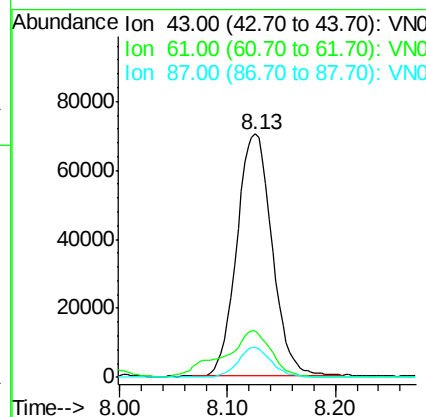
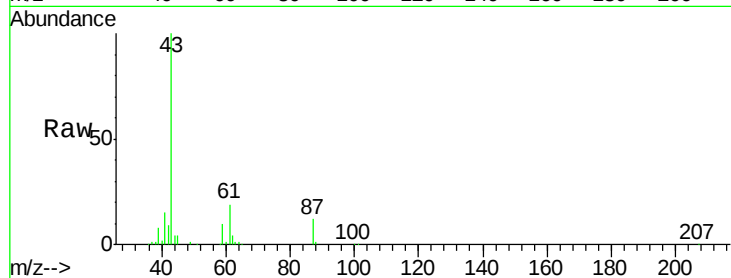
ClientSampleId :

VN0916WBSD01

Tot Ion:	43	Resp:	160374
Ion Ratio	Lower	Upper	
43	100		
61	26.4	14.2	21.2#
87	11.6	9.0	13.6

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#44

Trichloroethene

Concen: 20.557 ug/l

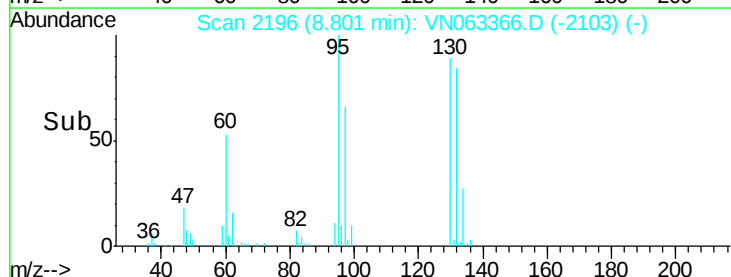
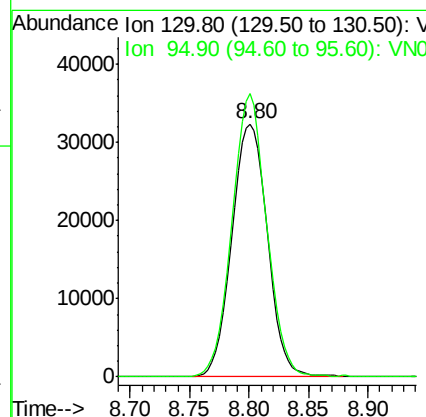
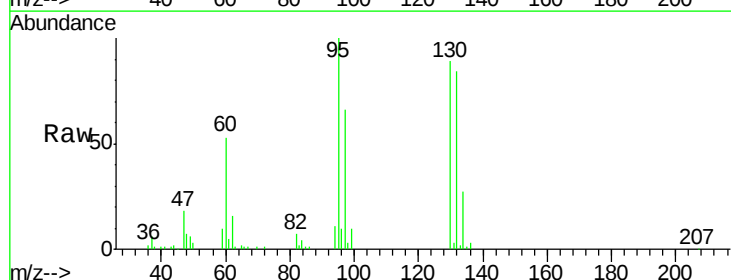
RT: 8.80 min Scan# 2196

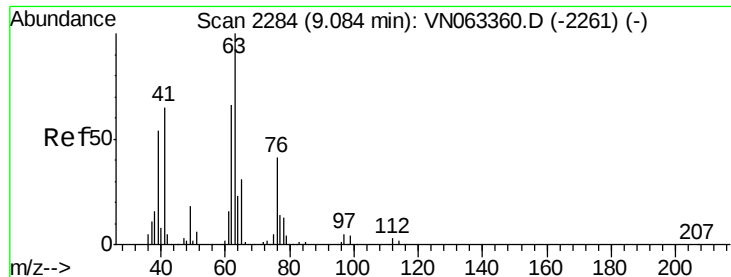
Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	130	Resp:	67157
Ion Ratio	Lower	Upper	
130	100		
95	111.9	0.0	217.4





#45

1,2-Dichloropropane

Concen: 21.256 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 63 Resp: 77977

Ion Ratio Lower Upper

63 100

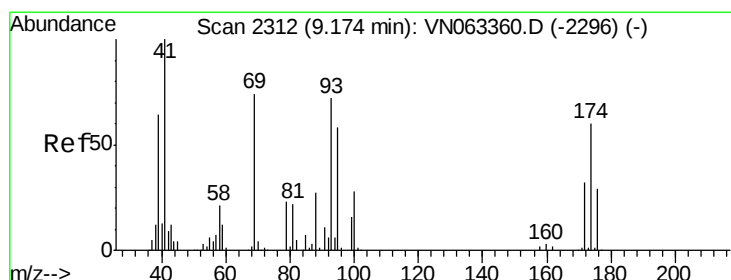
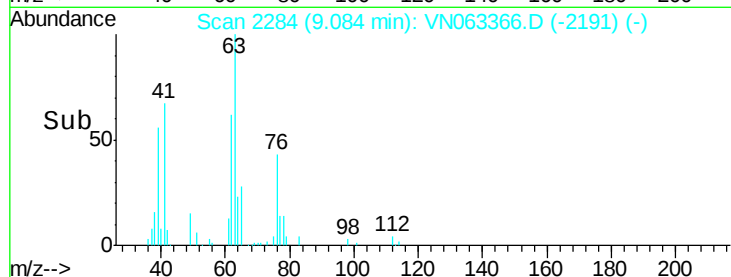
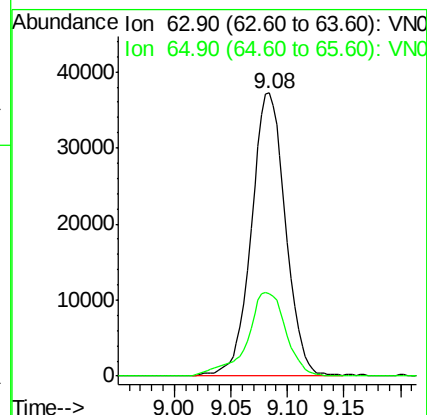
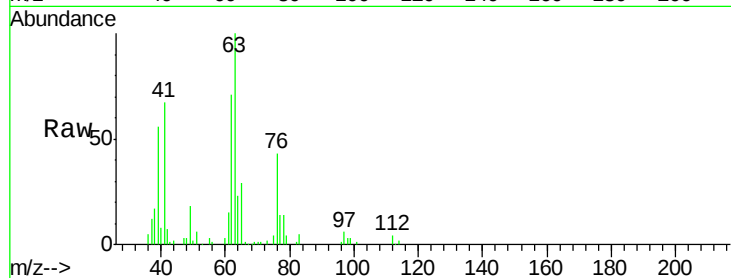
65 29.2 25.0 37.6

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#46

Dibromomethane

Concen: 20.278 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

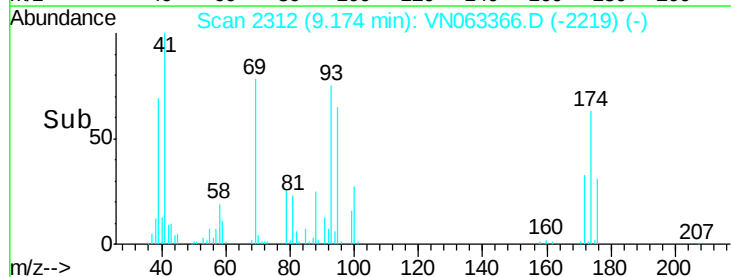
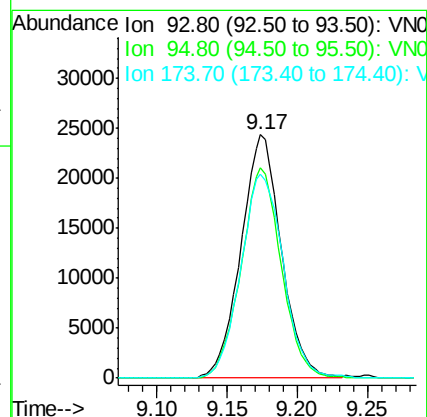
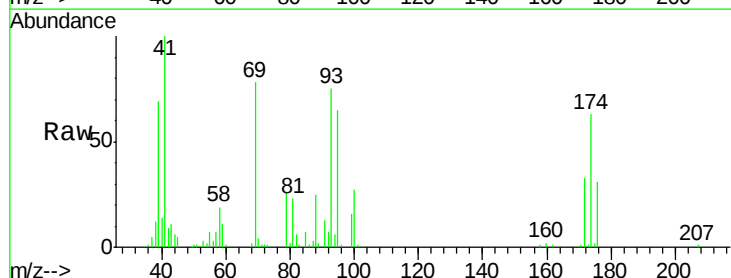
Tgt Ion: 93 Resp: 48891

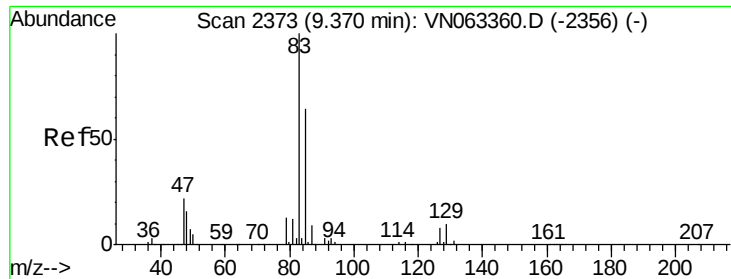
Ion Ratio Lower Upper

93 100

95 85.7 65.6 98.4

174 88.0 68.1 102.1





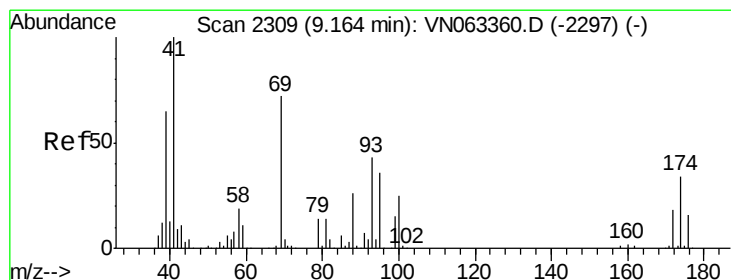
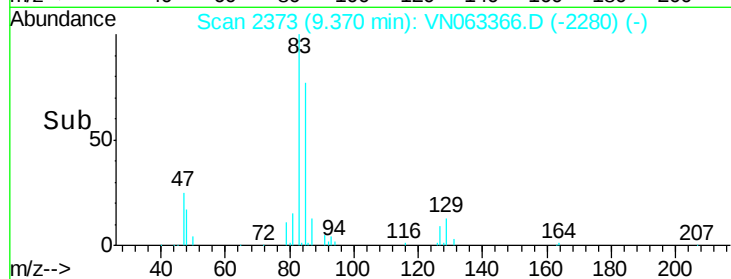
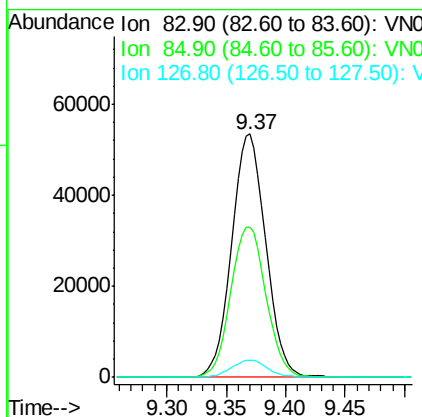
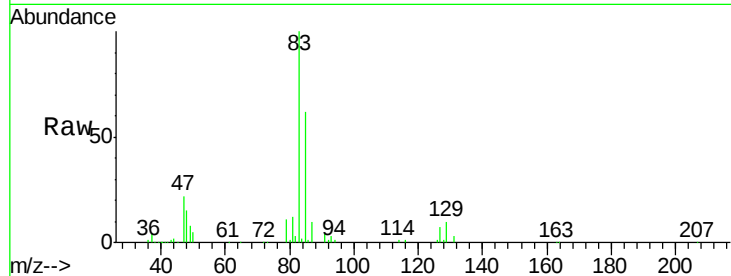
#47
Bromodichloromethane
Concen: 21.255 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	83	Resp	106463
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	51.0	76.6
127	7.2	6.3	9.5

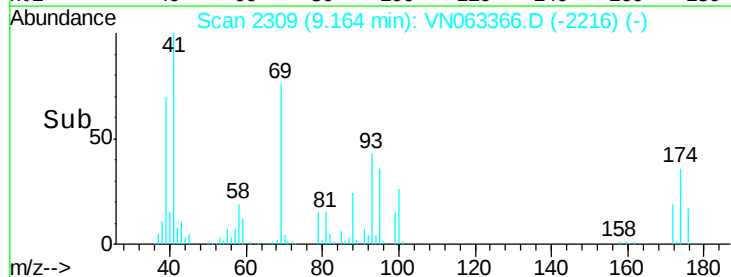
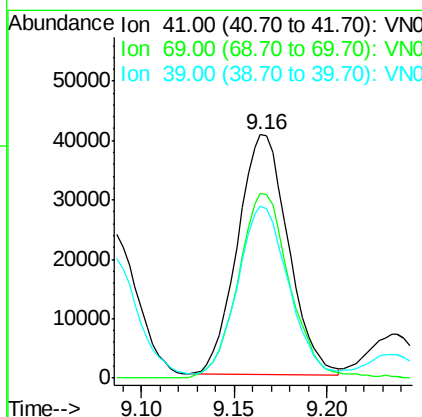
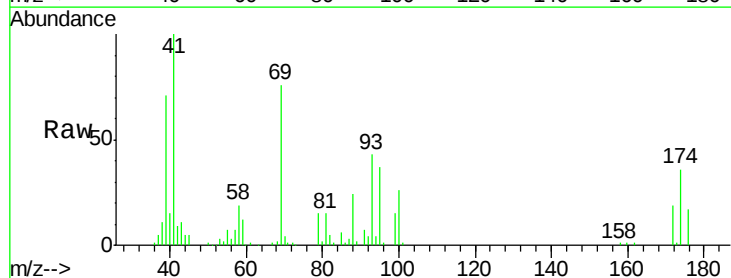
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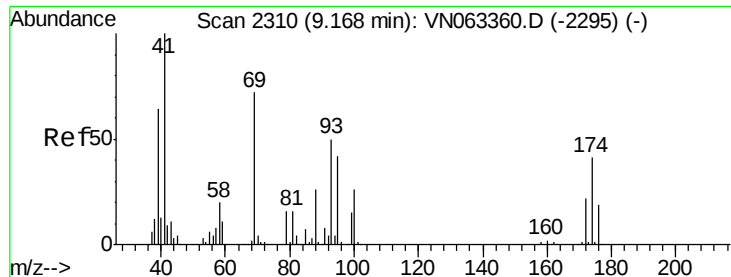
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9/17/2020 1:08:50 PM



#48
Methyl methacrylate
Concen: 18.808 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	41	Resp	76516
Ion Ratio	100	Lower	Upper
41	100		
69	78.5	59.3	88.9
39	72.2	52.9	79.3





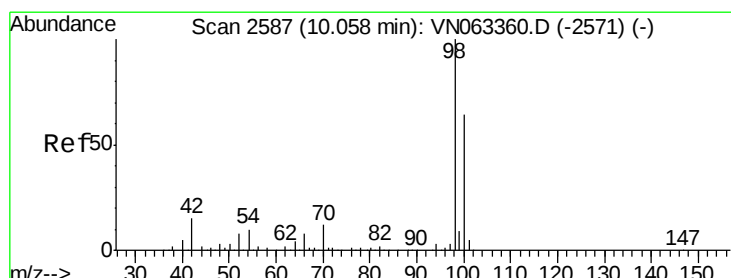
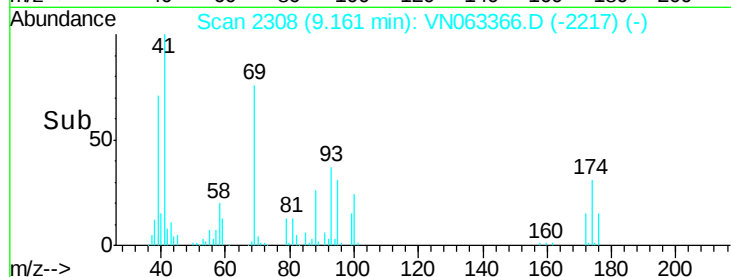
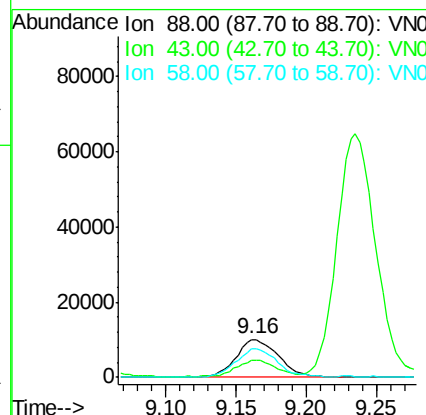
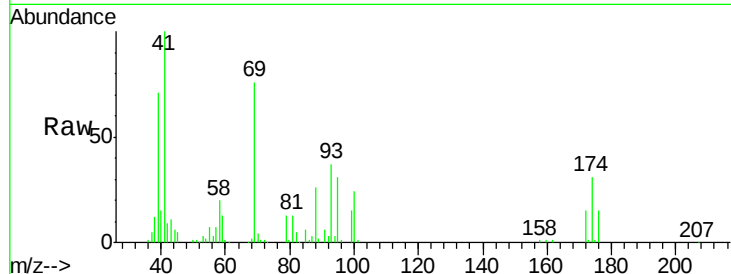
#49
1,4-Dioxane
Concen: 365.186 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	32.6	49.0
58	74.2	60.0	90.0

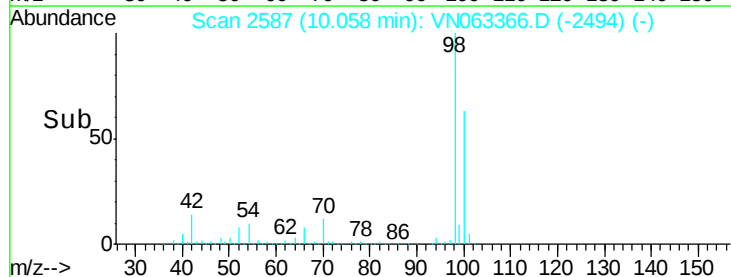
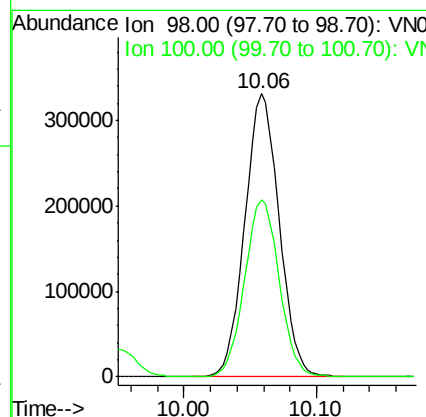
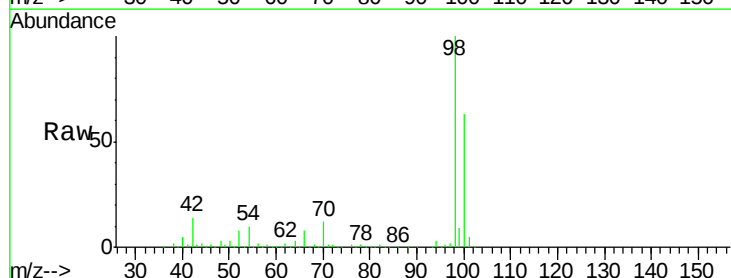
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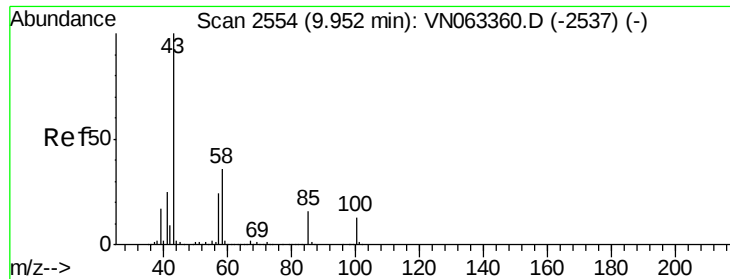
MMDadoda
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#50
Toluene-d8
Concen: 51.751 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 99.666 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 43 Resp: 462015

Ion Ratio Lower Upper

43 100

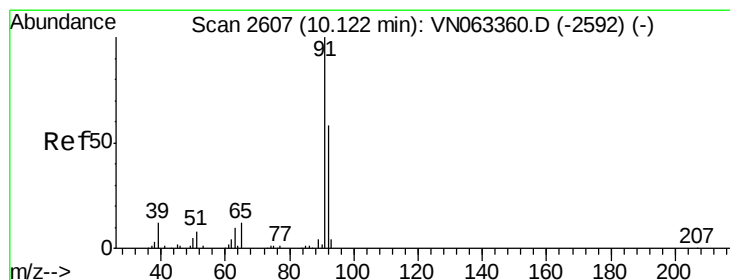
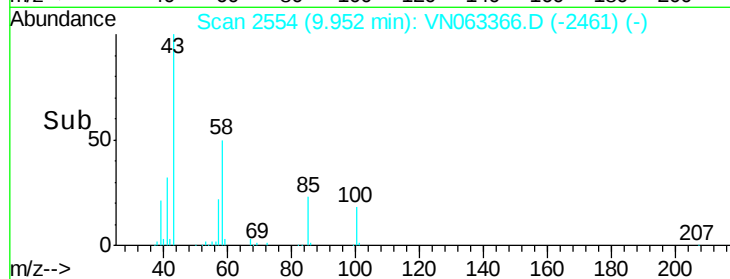
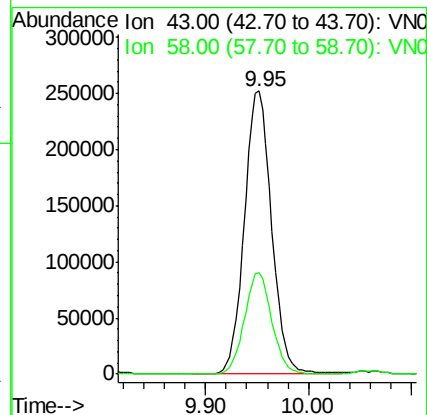
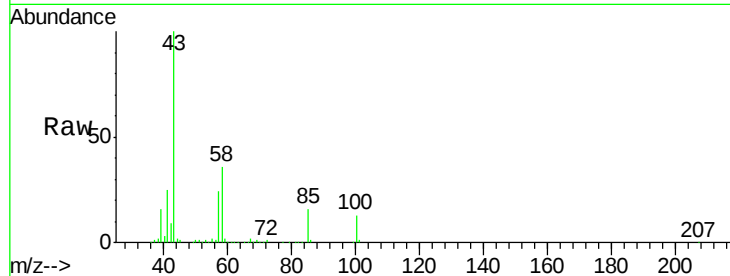
58 36.0 29.0 43.6

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#52

Toluene

Concen: 21.163 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063366.D

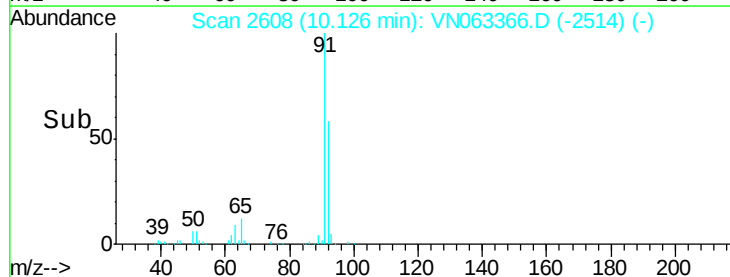
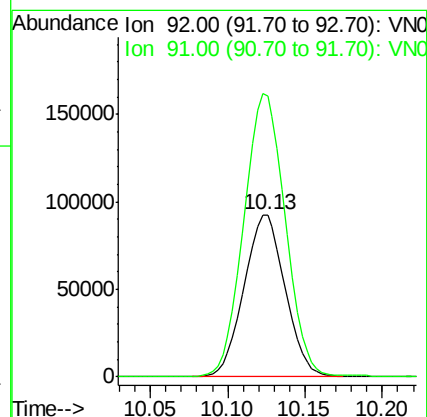
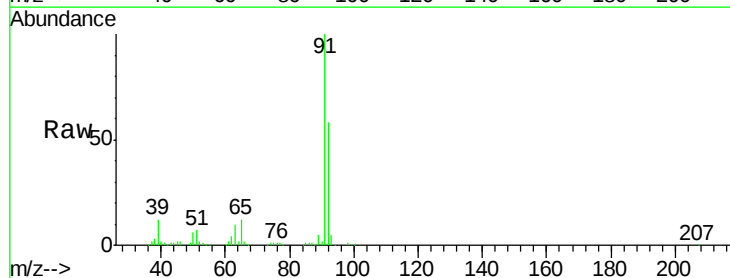
Acq: 16 Sep 2020 15:55

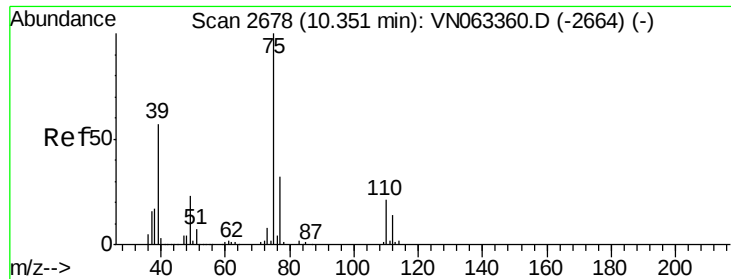
Tgt Ion: 92 Resp: 171383

Ion Ratio Lower Upper

92 100

91 176.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 20.940 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampled :

VN0916WBSD01

Tot Ion: 75 Resp: 117096

Ion Ratio Lower Upper

75 100

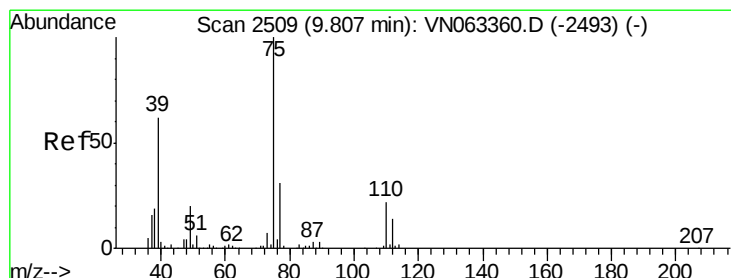
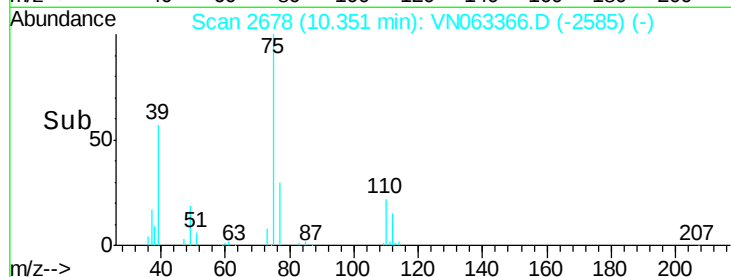
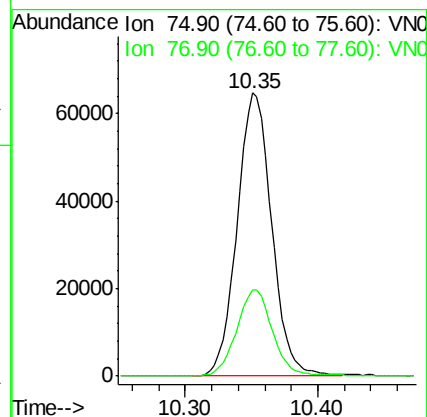
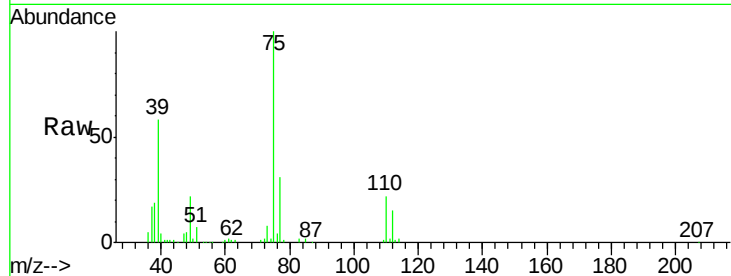
77 30.2 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 20.734 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

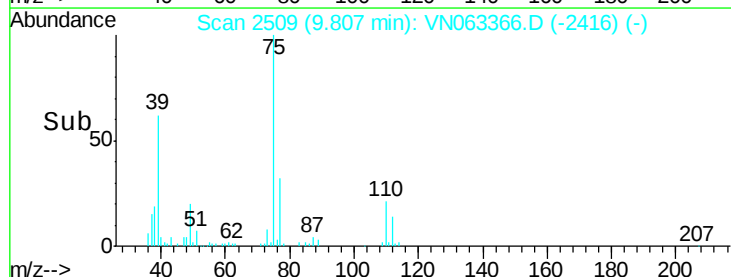
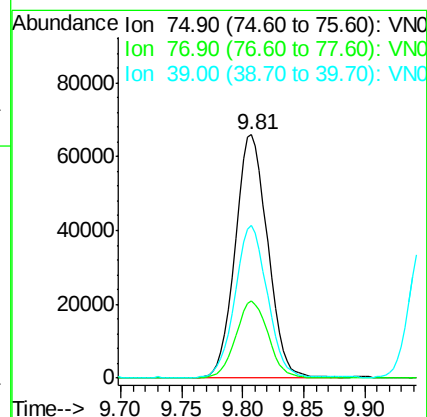
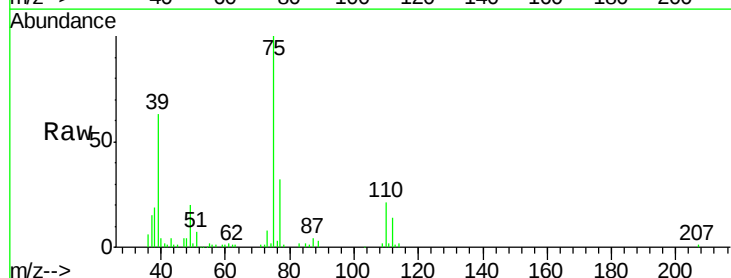
Tgt Ion: 75 Resp: 122297

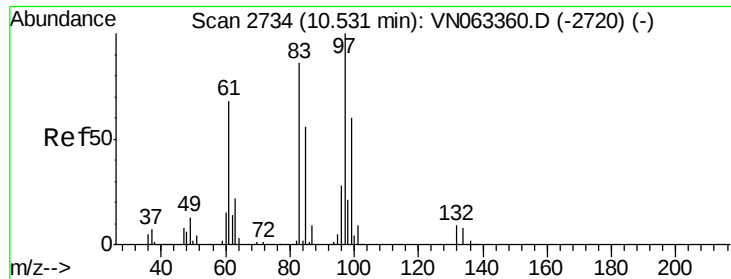
Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

39 62.3 49.8 74.8





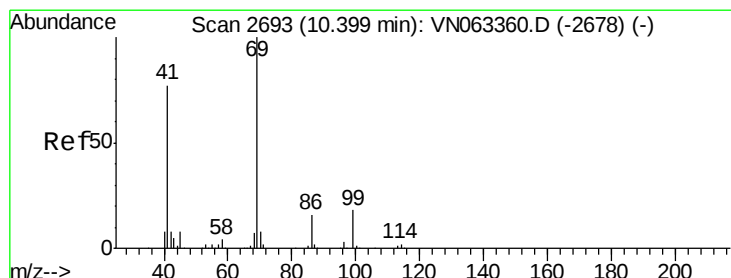
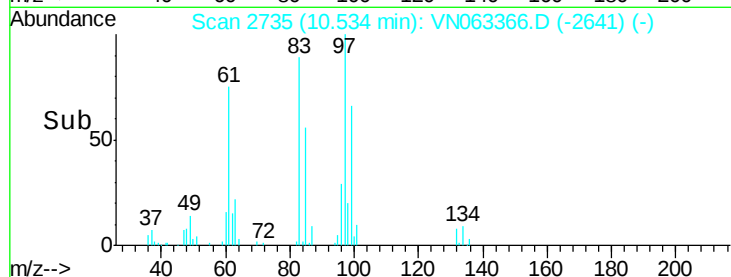
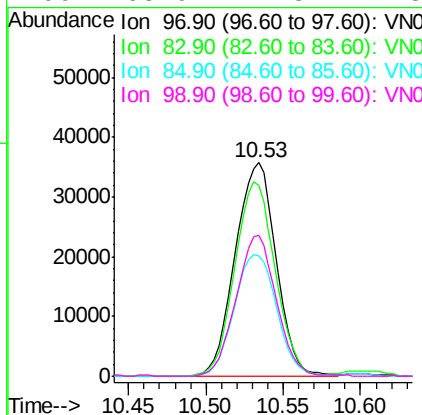
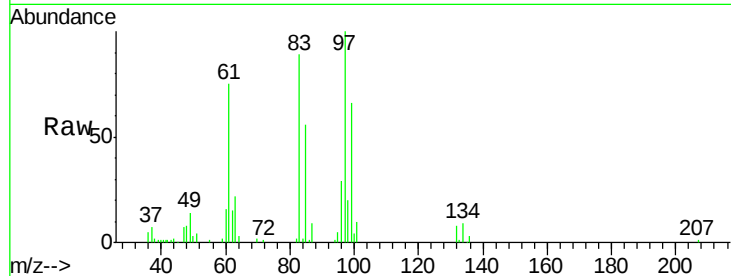
#55
 1,1,2-Trichloroethane
 Concen: 20.494 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tot Ion:	97	Resp:	65922
Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.9	103.3
85	56.4	44.8	67.2
99	65.9	47.8	71.8

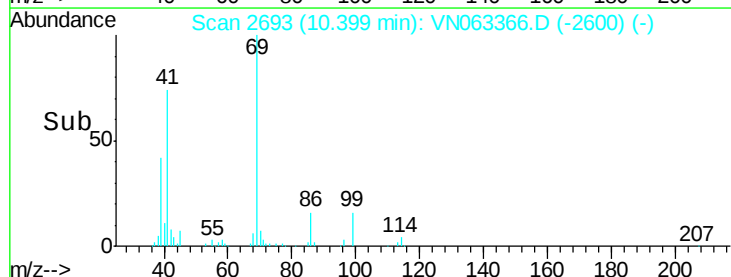
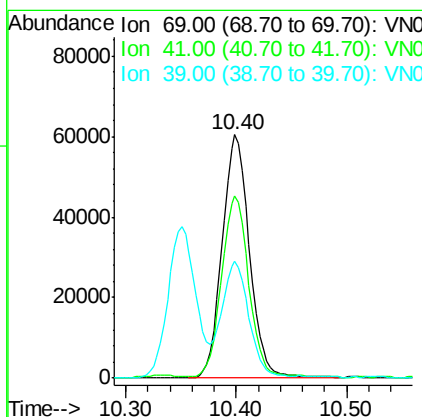
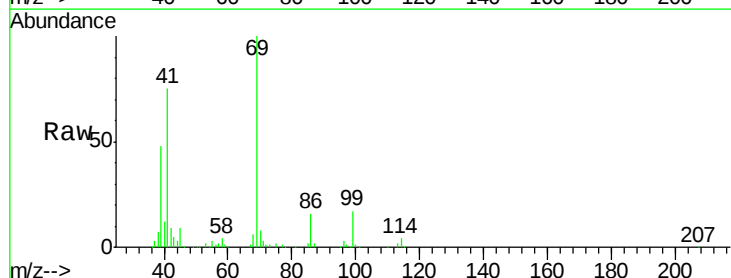
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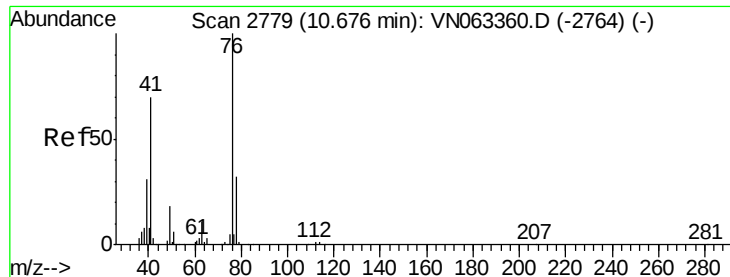
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 9/17/2020 1:08:50 PM



#56
 Ethyl methacrylate
 Concen: 20.767 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion:	69	Resp:	104283
Ion	Ratio	Lower	Upper
69	100		
41	73.0	61.0	91.6
39	46.2	39.2	58.8





#57

1,3-Dichloropropane

Concen: 20.695 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampled :

VN0916WBSD01

Tot Ion: 76 Resp: 120045

Ion Ratio Lower Upper

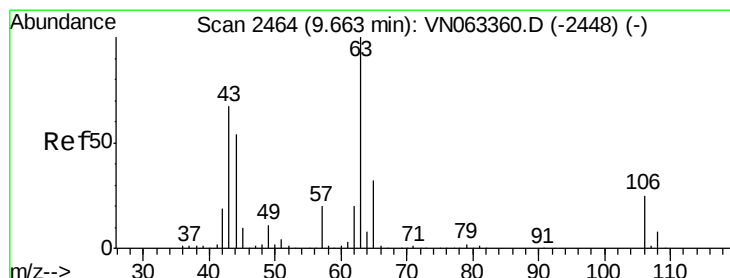
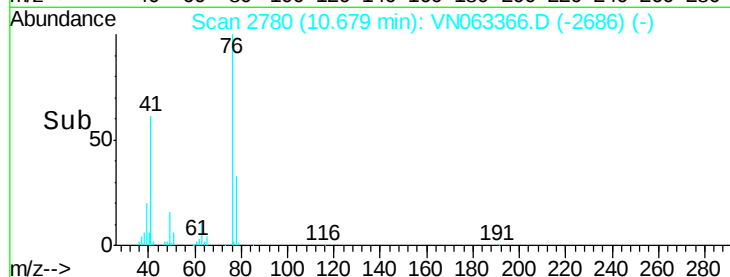
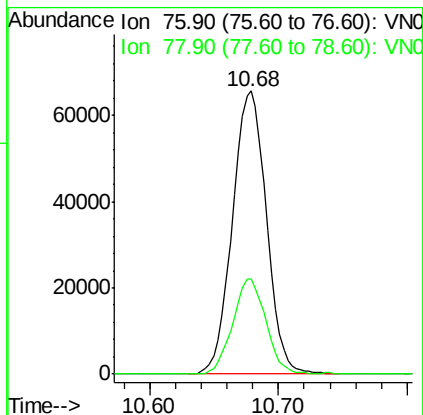
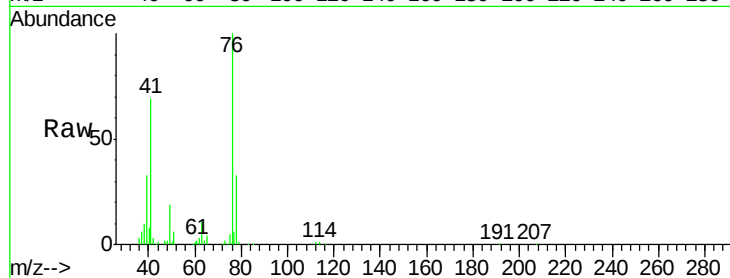
76 100

78 32.8 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 95.159 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063366.D

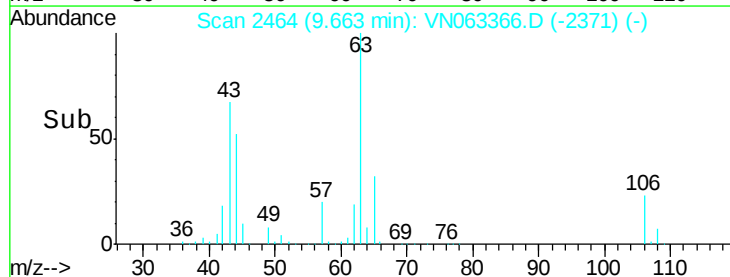
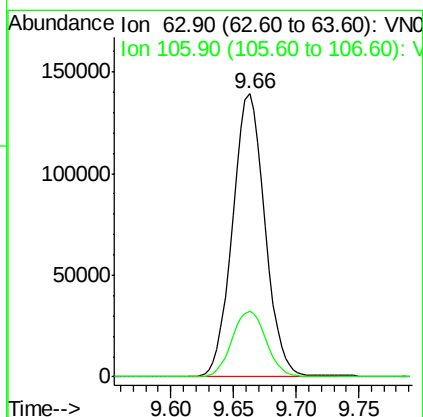
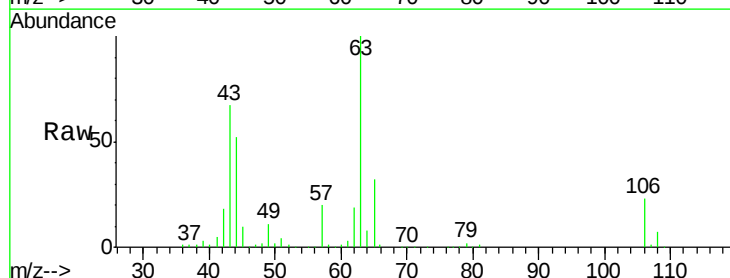
Acq: 16 Sep 2020 15:55

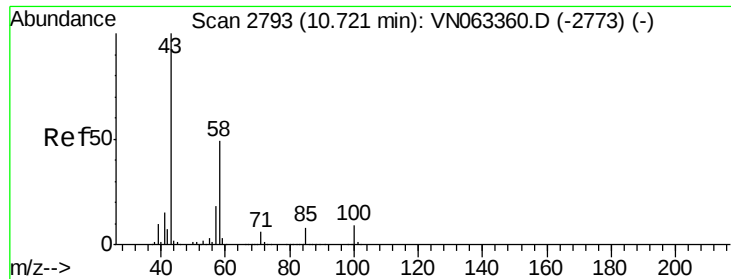
Tgt Ion: 63 Resp: 250665

Ion Ratio Lower Upper

63 100

106 24.6 19.5 29.3





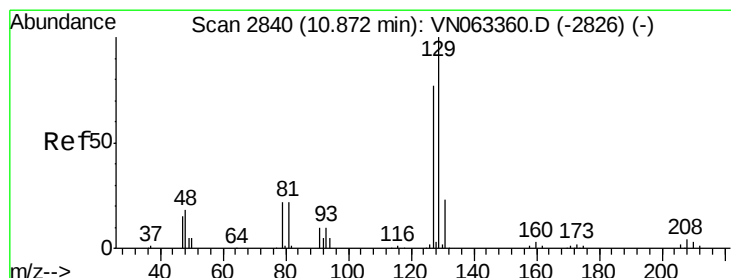
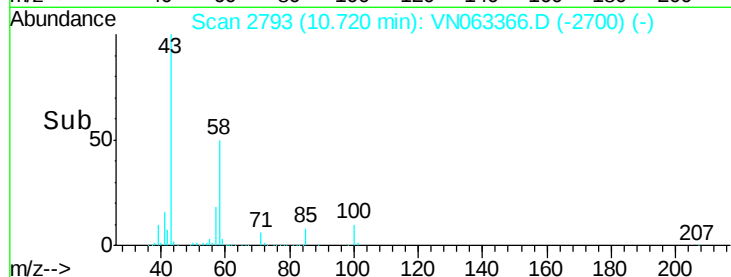
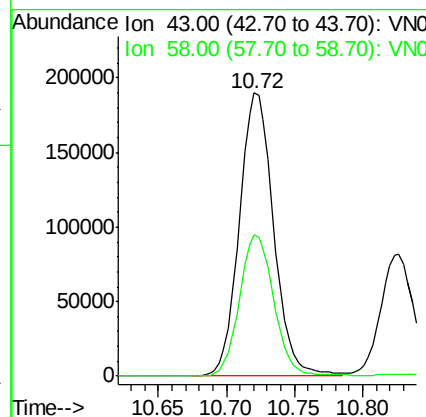
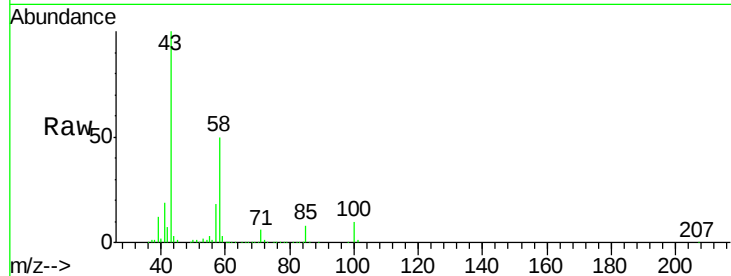
#59
2-Hexanone
Concen: 98.434 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion: 43 Resp: 330579
Ion Ratio Lower Upper
43 100
58 50.3 24.7 74.1

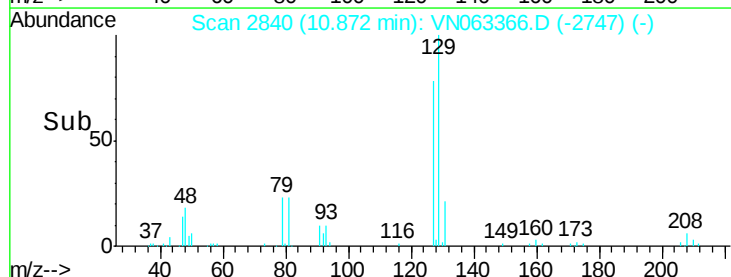
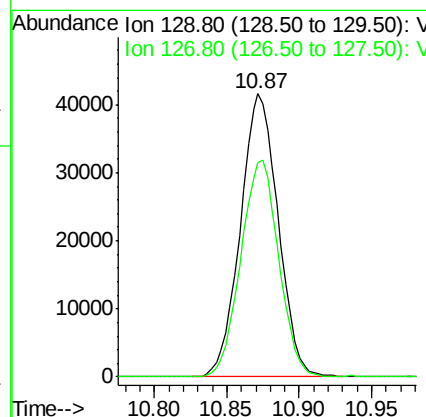
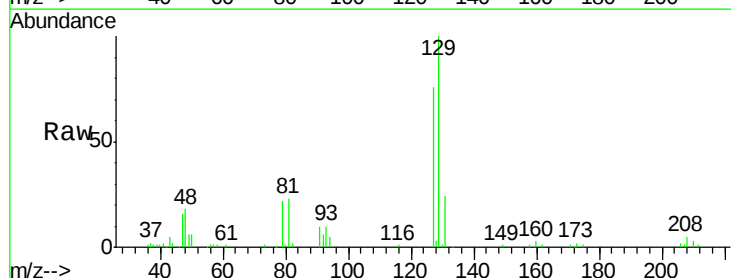
Manual Integrations
APPROVED

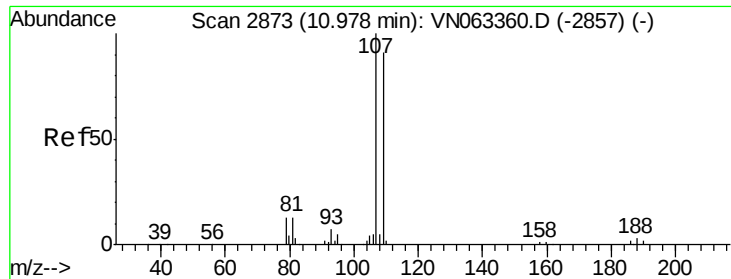
MMDadoda
9/17/2020 1:08:50 PM



#60
Dibromochloromethane
Concen: 20.690 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion: 129 Resp: 75184
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3





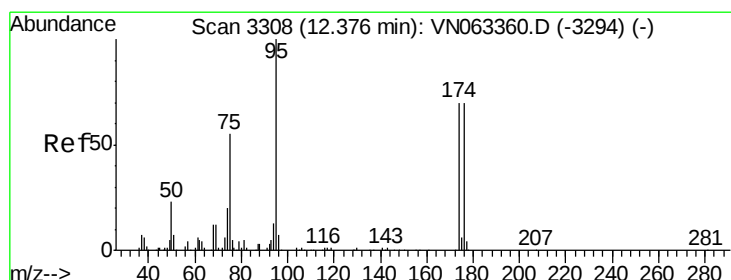
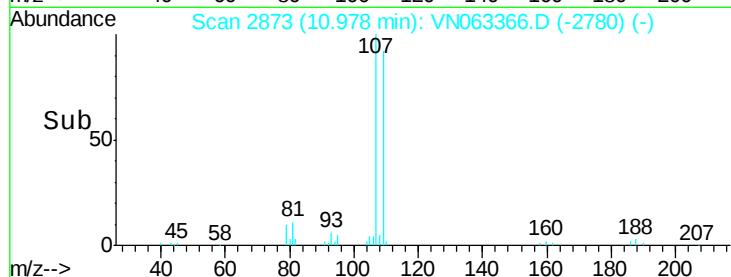
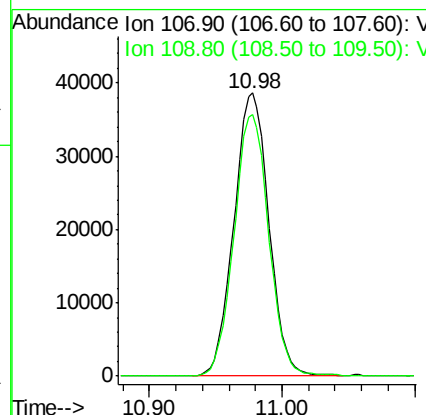
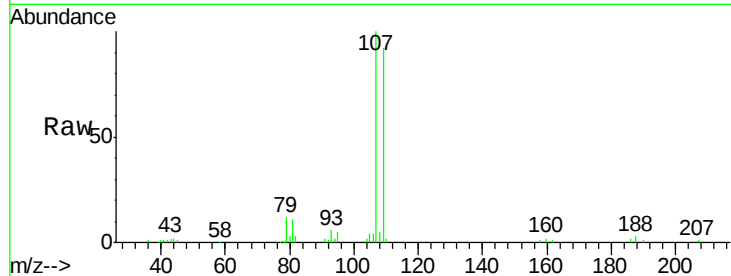
#61
 1,2-Dibromoethane
 Concen: 21.136 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	74.6	111.8

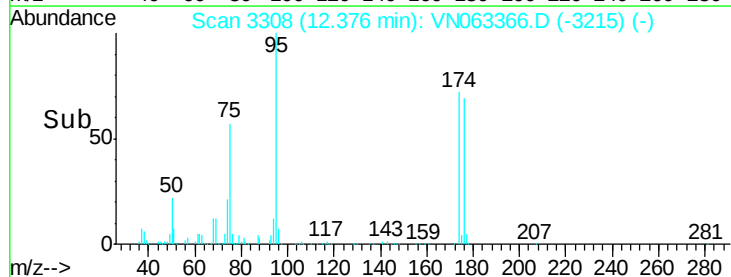
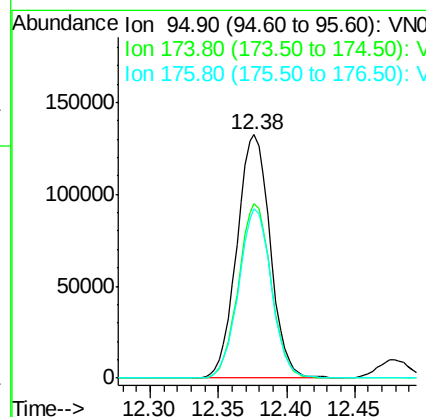
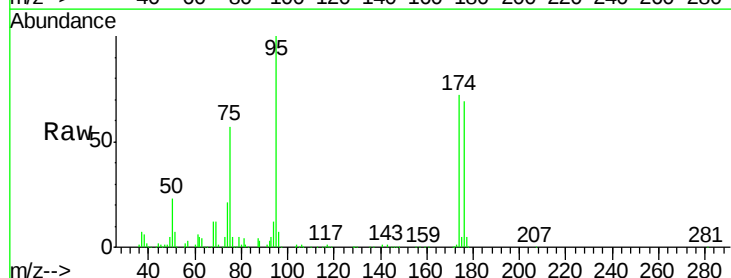
Manual Integrations
 APPROVED

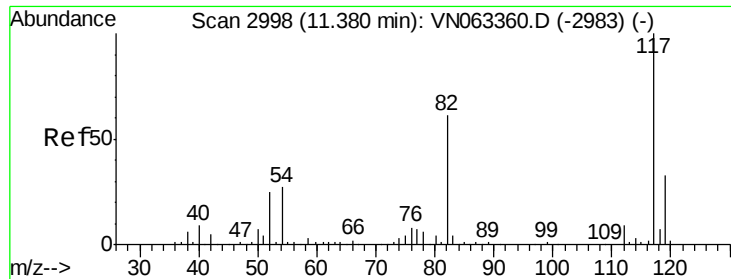
MMDadoda
 9/17/2020 1:08:50 PM



#62
 4-Bromofluorobenzene
 Concen: 53.123 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	140.8
176	68.2	0.0	137.6





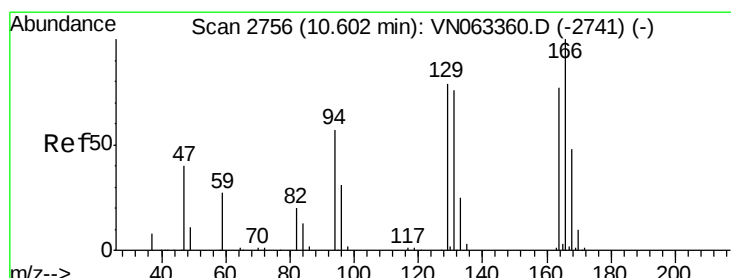
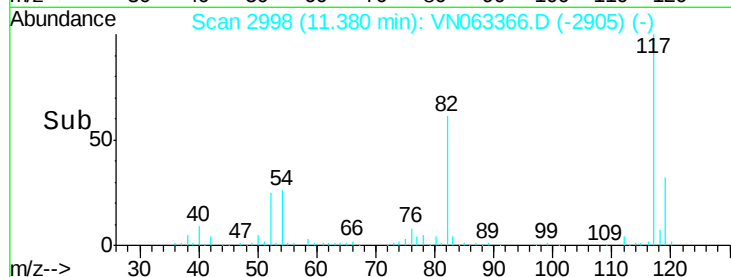
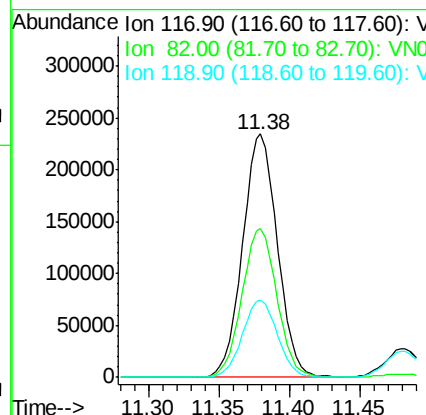
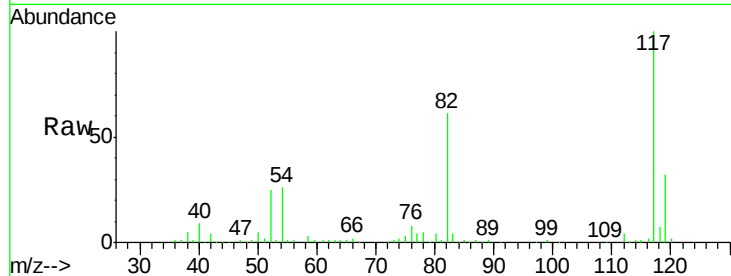
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.2	73.8
119	31.8	26.2	39.4

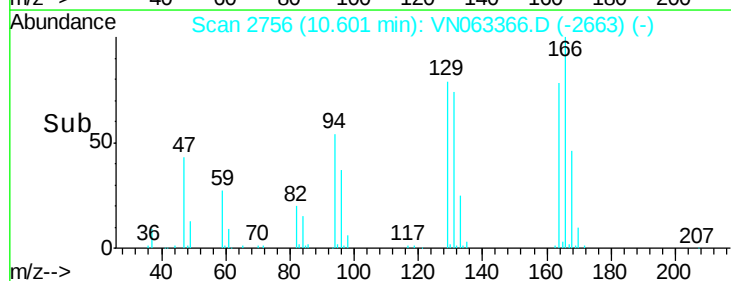
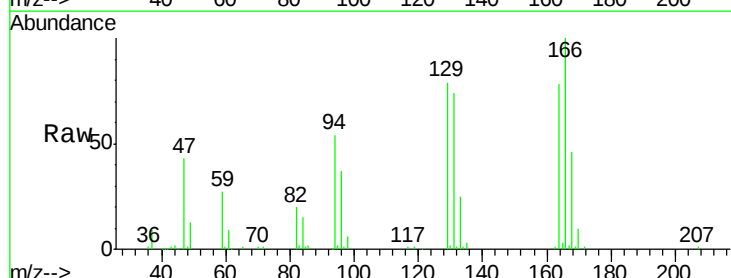
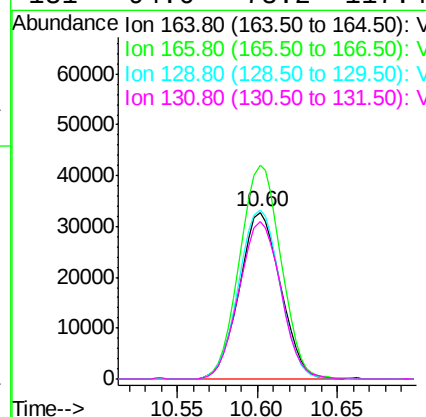
Manual Integrations
APPROVED

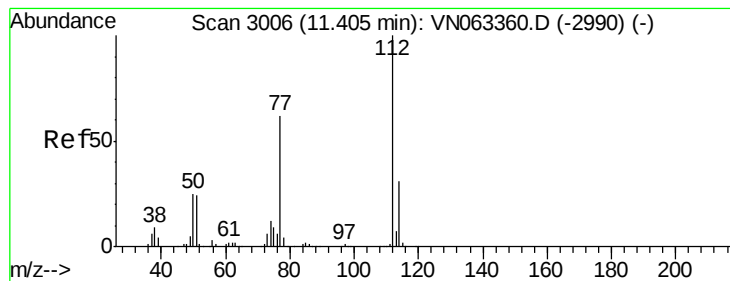
MMDadoda
9/17/2020 1:08:50 PM



#64
Tetrachloroethene
Concen: 20.839 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.4	155.0
129	101.7	81.8	122.6
131	94.6	78.2	117.4





#65

Chlorobenzene

Concen: 20.850 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion:112 Resp: 179577

Ion Ratio Lower Upper

112 100

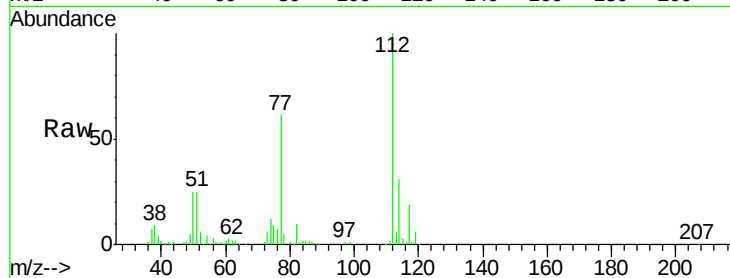
114 31.3 25.0 37.6

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.41

120000

100000

80000

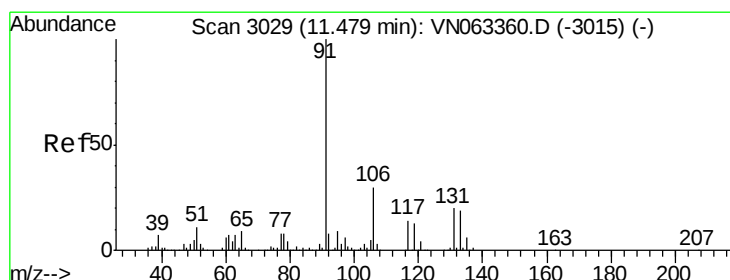
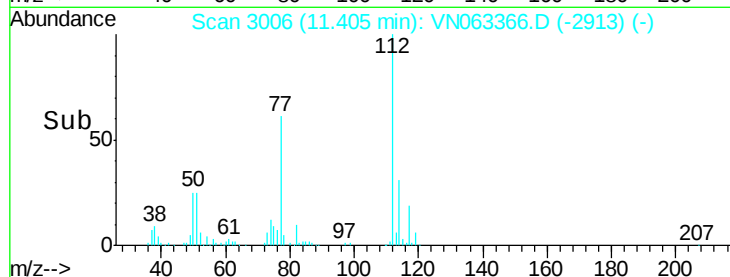
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.416 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

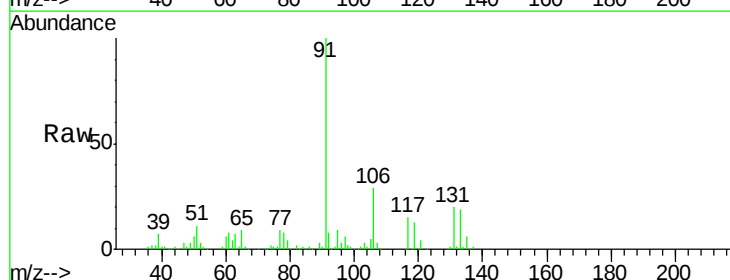
Tgt Ion:131 Resp: 64456

Ion Ratio Lower Upper

131 100

133 97.8 47.3 141.9

119 68.8 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.48

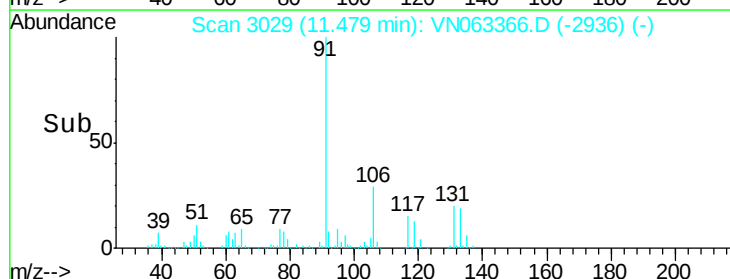
60000

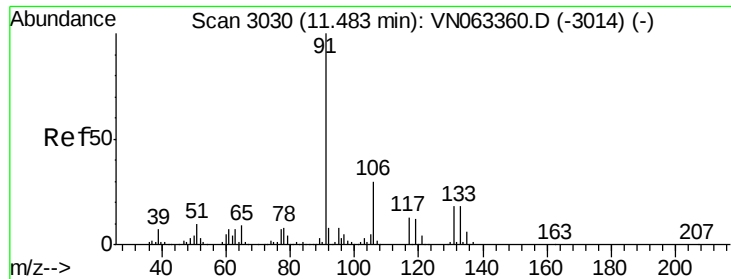
40000

20000

0

Time-->





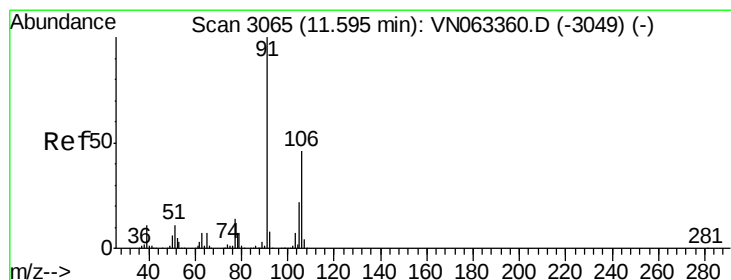
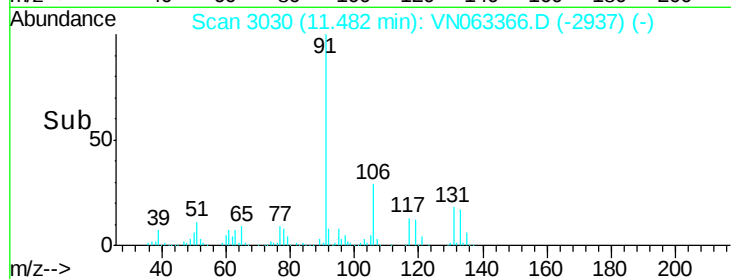
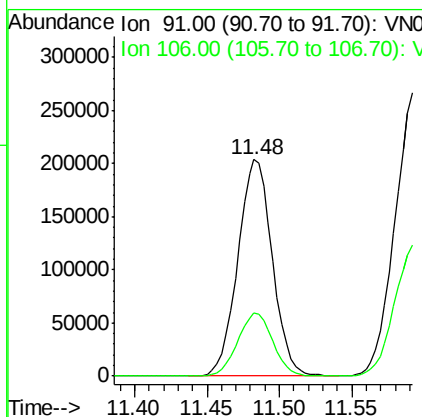
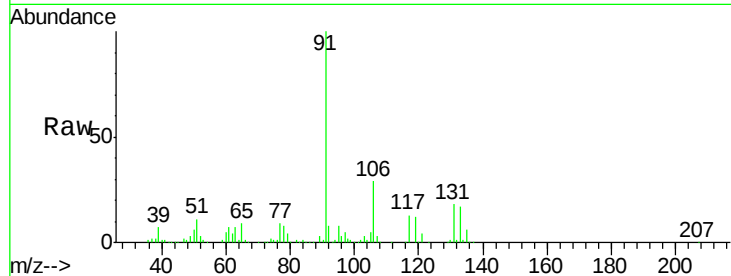
#67
Ethyl Benzene
Concen: 20.755 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.8	35.6

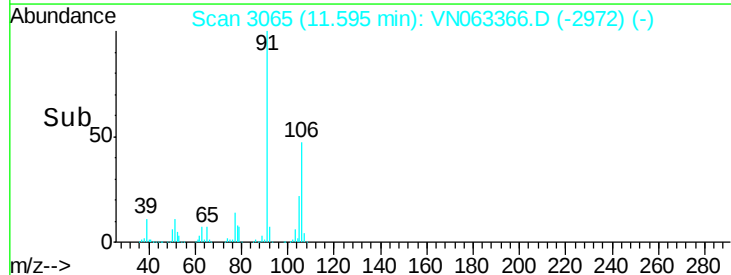
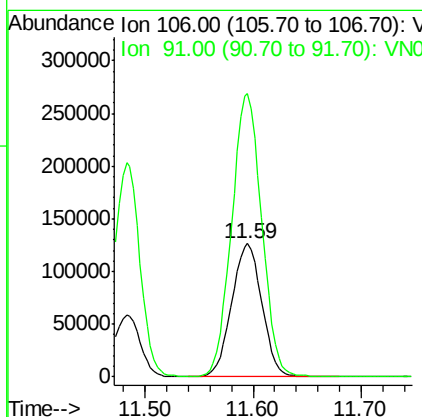
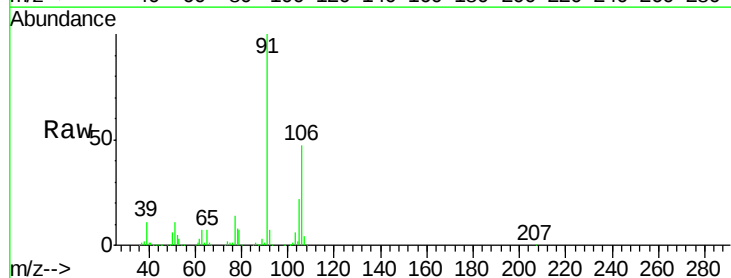
Manual Integrations
APPROVED

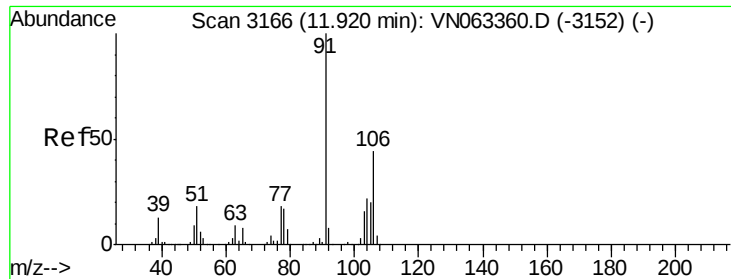
MMDadoda
9/17/2020 1:08:50 PM



#68
m/p-Xylenes
Concen: 42.225 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.5	171.2	256.8





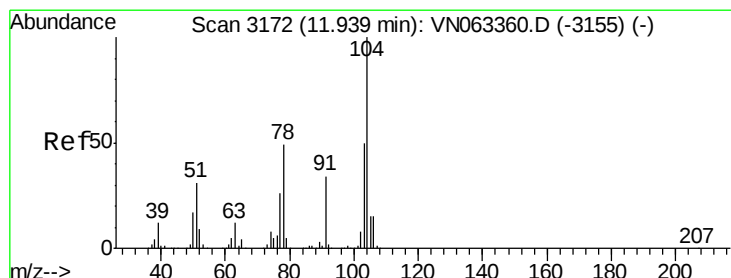
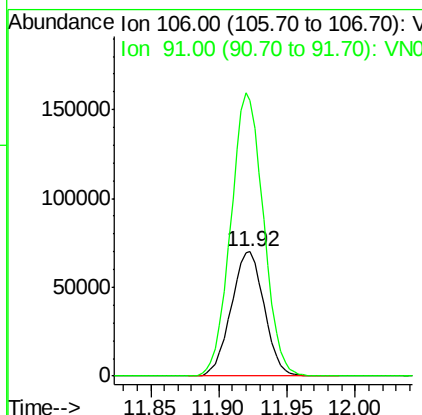
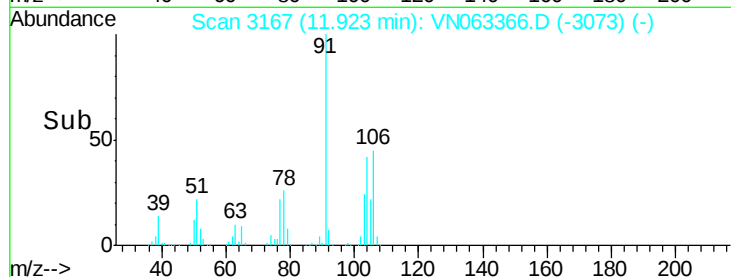
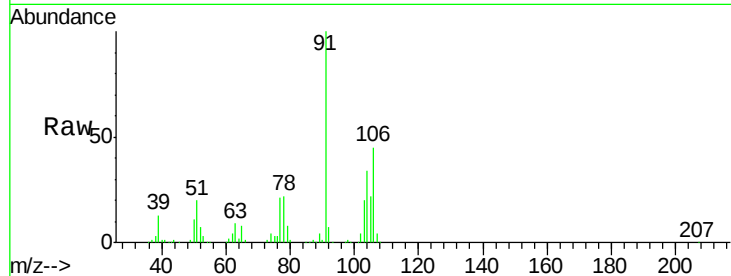
#69
o-Xylene
Concen: 21.156 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0916WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.3	113.6	340.8		

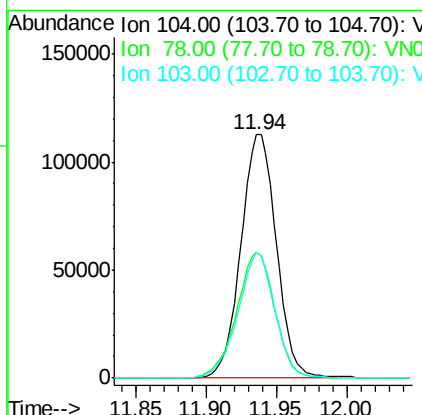
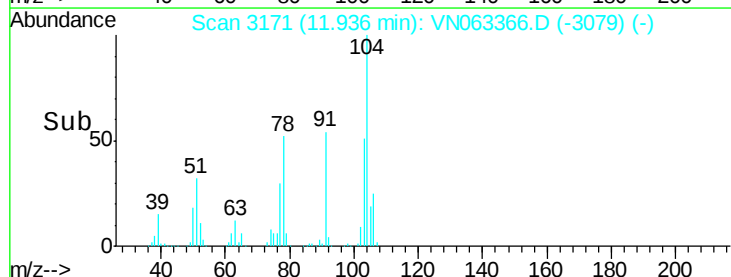
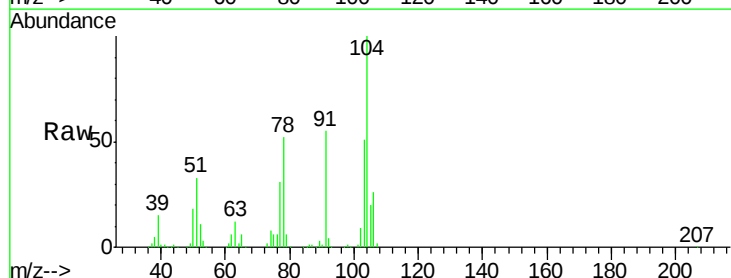
Manual Integrations
APPROVED

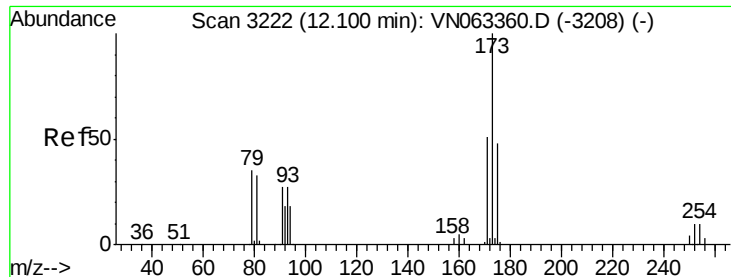
MMDadoda
9/17/2020 1:08:50 PM



#70
Styrene
Concen: 21.357 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	55.4	44.4	66.6		
103	53.9	43.7	65.5		





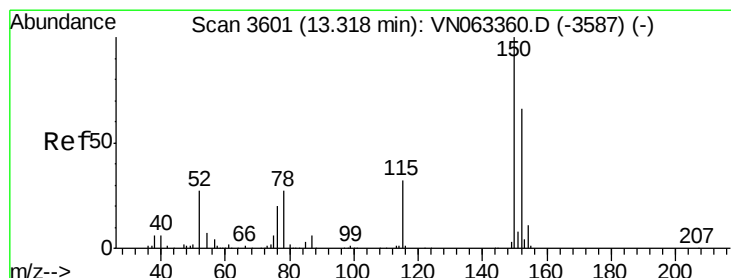
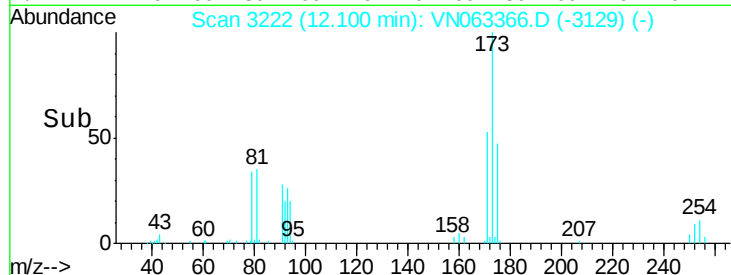
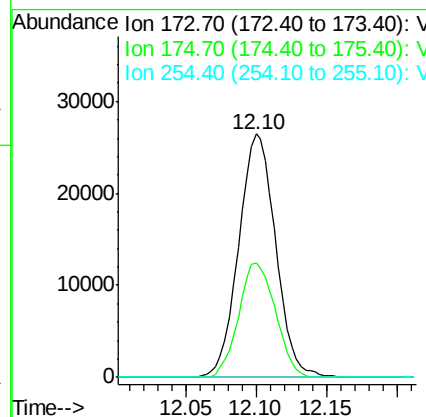
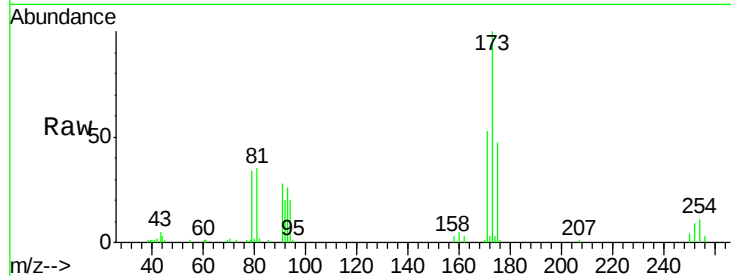
#71
Bromoform
Concen: 20.632 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.0	72.0
254	0.0	0.0	0.0

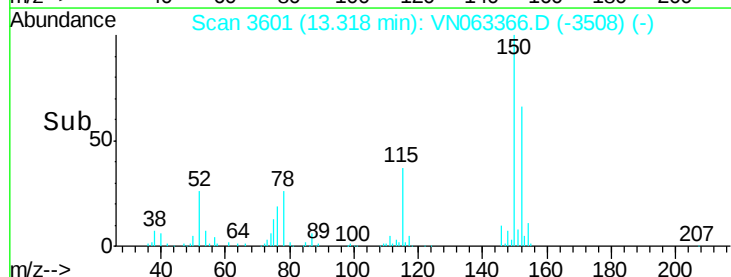
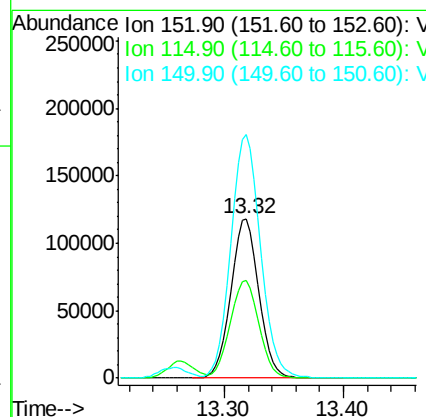
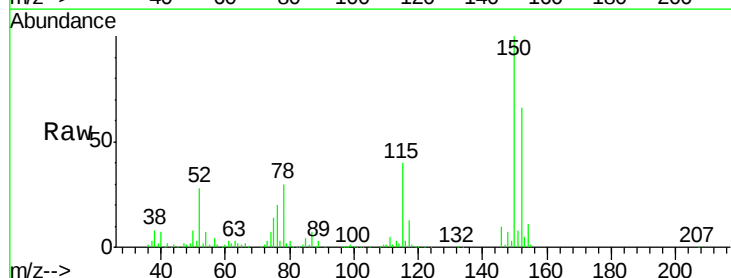
Manual Integrations
APPROVED

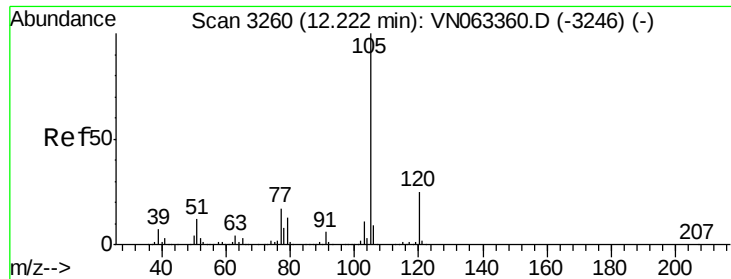
MMDadoda
9/17/2020 1:08:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	32.2	96.6
150	161.2	0.0	343.4





#73

Isopropylbenzene

Concen: 20.572 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 105 Resp: 317245

Ion Ratio Lower Upper

105 100

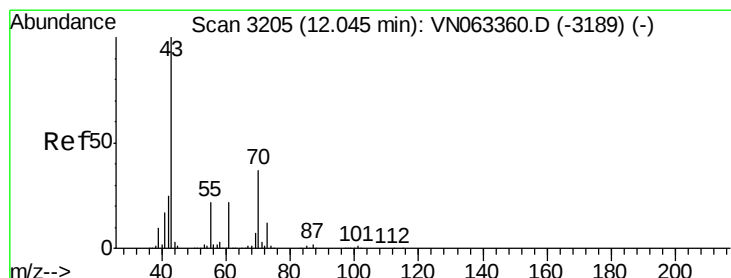
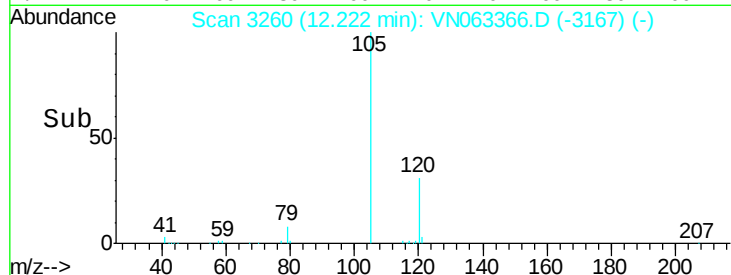
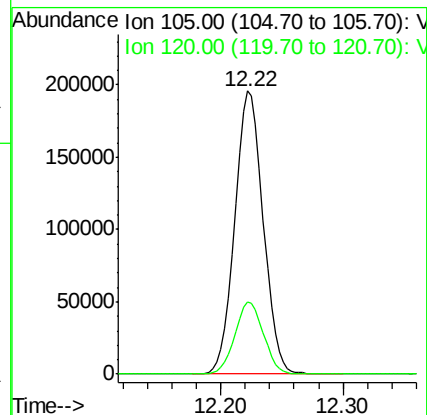
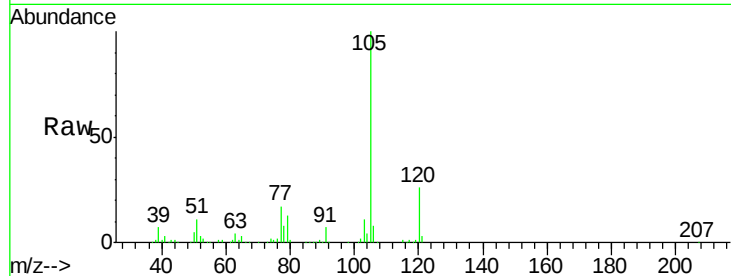
120 25.7 12.7 38.0

Manual Integrations

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9/17/2020 1:08:50 PM



#74

N-ethyl acetate

Concen: 19.777 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion: 43 Resp: 144377

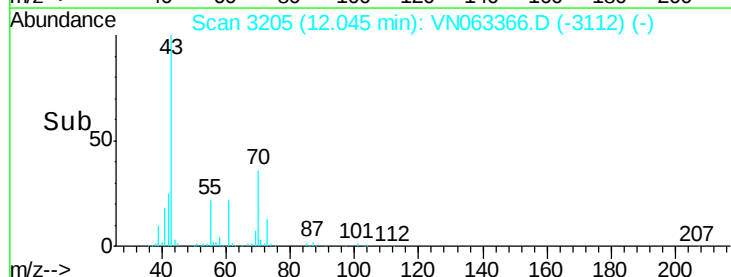
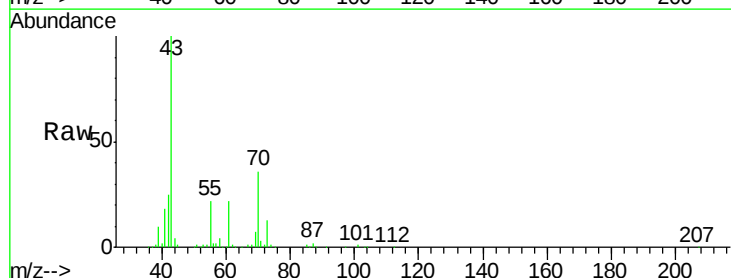
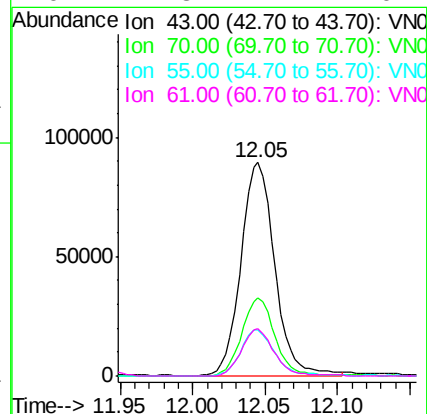
Ion Ratio Lower Upper

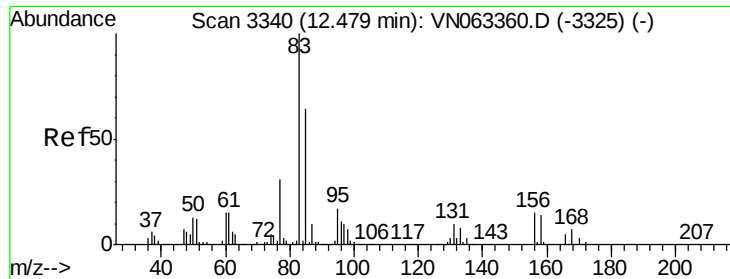
43 100

70 36.2 29.6 44.4

55 22.1 17.7 26.5

61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.931 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

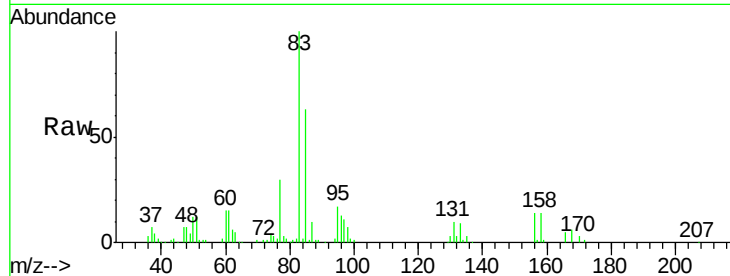
ClientSampleId :

VN0916WBSD01

Tot Ion:	83	Resp:	95168
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	65.0	32.0	96.0

Manual Integrations
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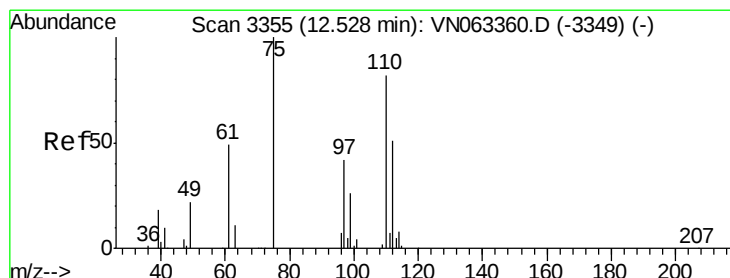
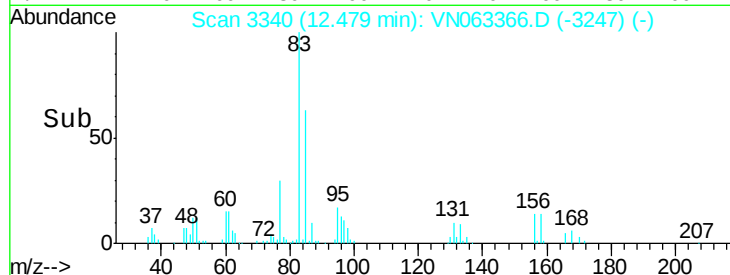
Abundance Ion 82.90 (82.60 to 83.60): VN063366.D (-3340) (-)

Ion 130.80 (130.50 to 131.50): VN063366.D (-3340) (-)

Ion 84.90 (84.60 to 85.60): VN063366.D (-3340) (-)

Time-->

12.48



#76

1,2,3-Trichloropropane

Concen: 18.484 ug/l m

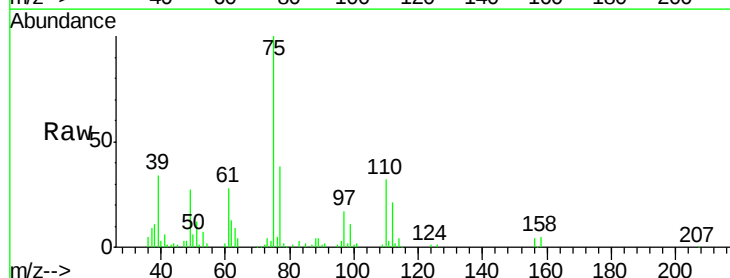
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Tgt Ion:	75	Resp:	88044
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

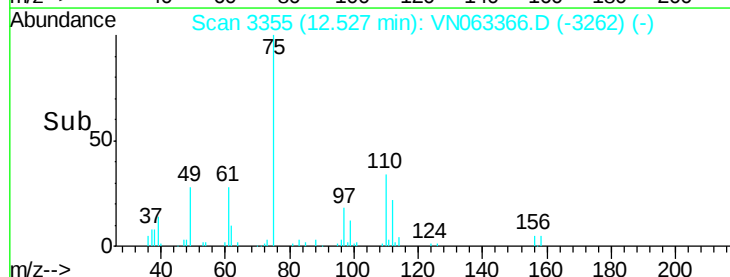


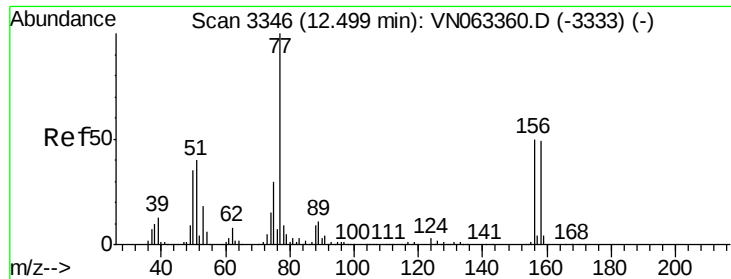
Abundance Ion 74.90 (74.60 to 75.60): VN063366.D (-3355) (-)

Ion 77.00 (76.70 to 77.70): VN063366.D (-3355) (-)

Time-->

12.53





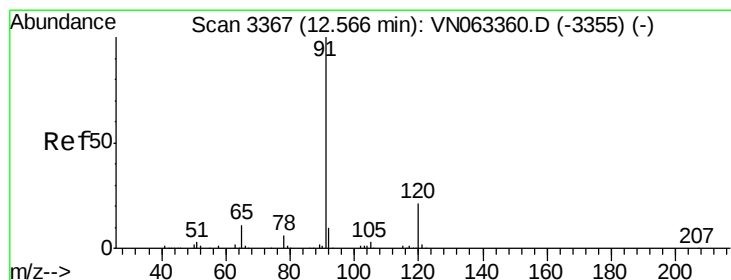
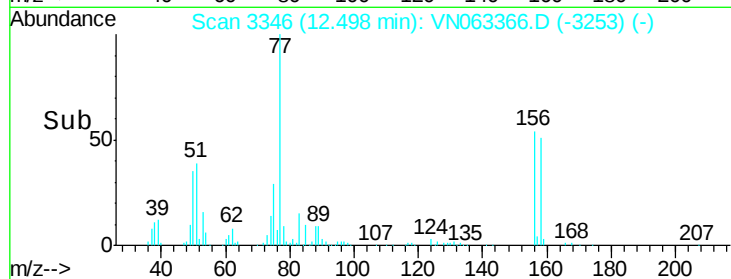
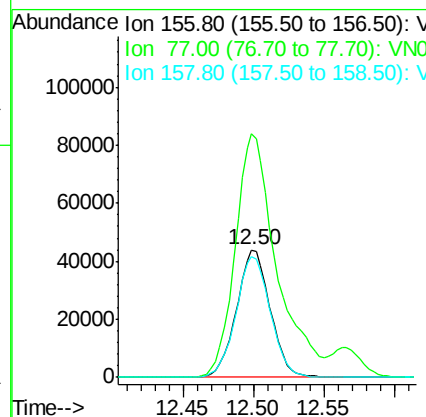
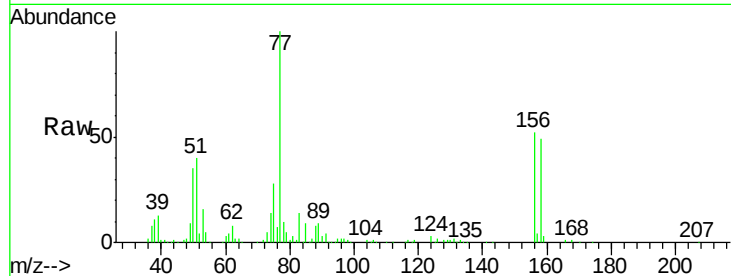
#77
Bromobenzene
Concen: 21.097 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	234.3	120.2	360.6	
158	97.1	48.9	146.6	

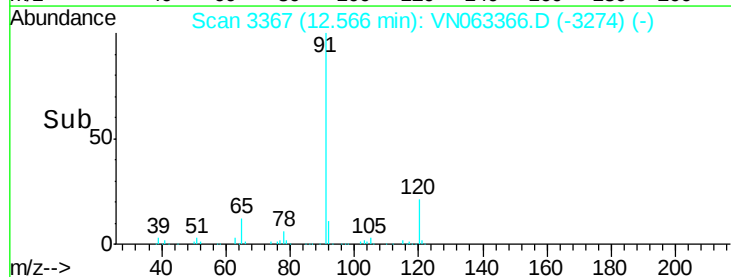
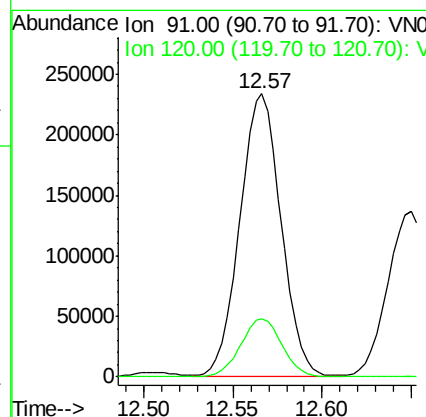
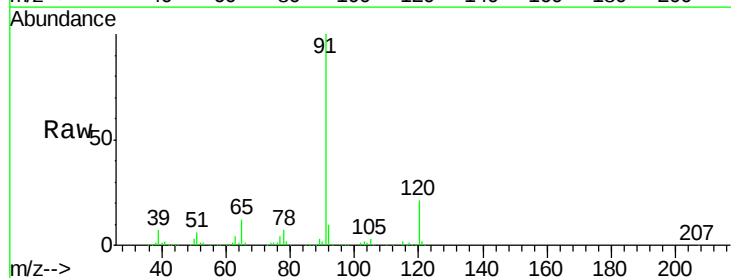
Manual Integrations
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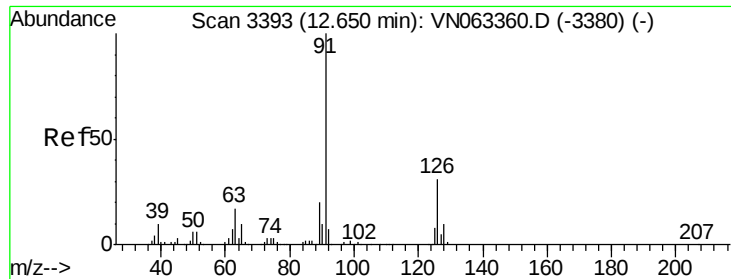
MMDadoda
9/17/2020 1:08:50 PM



#78
n-propylbenzene
Concen: 21.015 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.7	10.8	32.3	





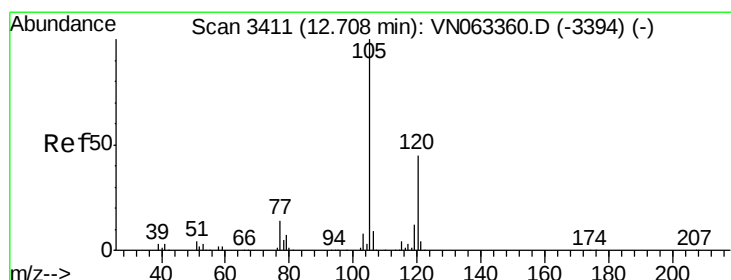
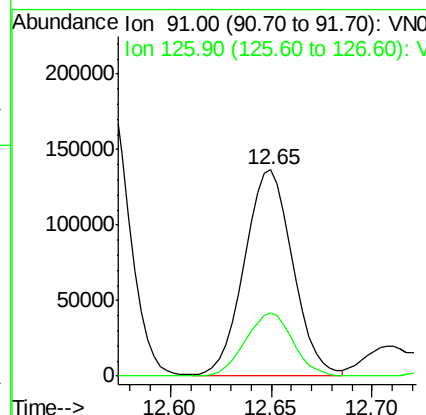
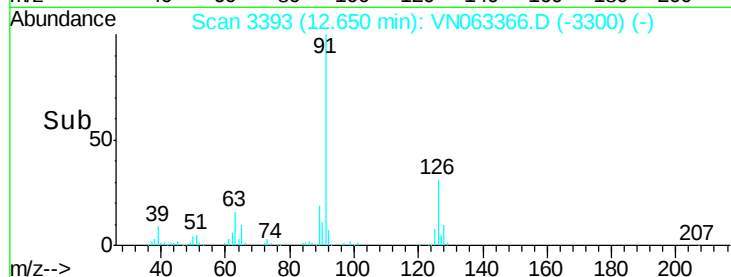
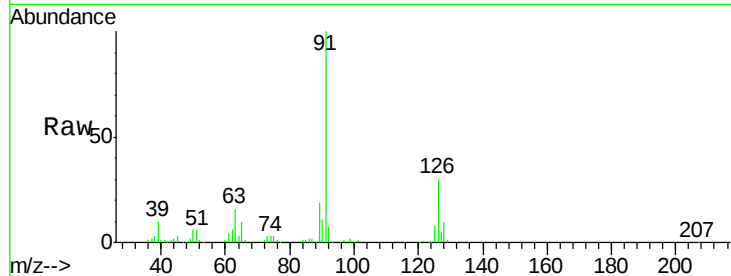
#79
2-Chlorotoluene
Concen: 21.300 ug/l
RT: 12.65 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.8	47.3

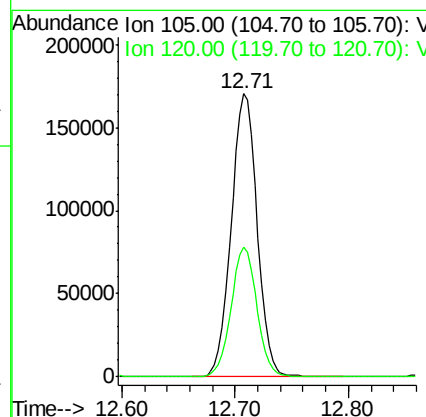
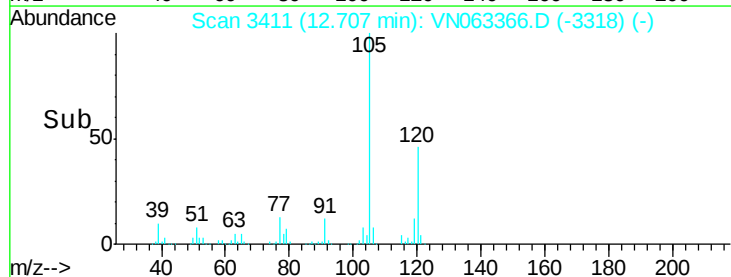
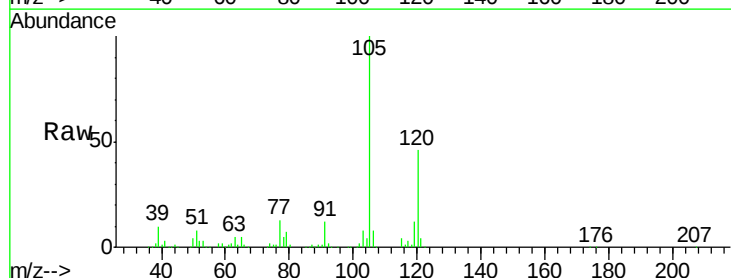
Manual Integrations
APPROVED

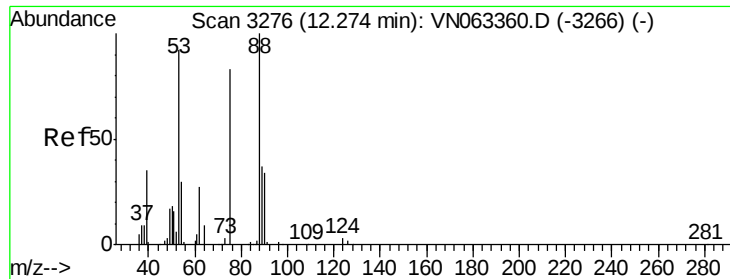
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#80
1,3,5-Trimethylbenzene
Concen: 21.080 ug/l
RT: 12.71 min Scan# 3411
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.358 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion: 75 Resp: 31895

Ion Ratio Lower Upper

75 100

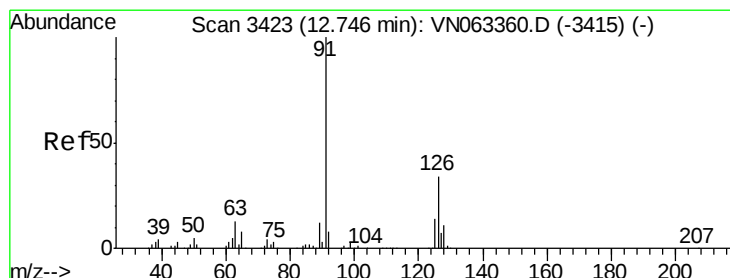
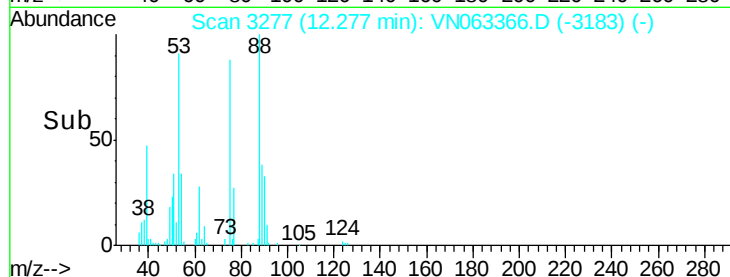
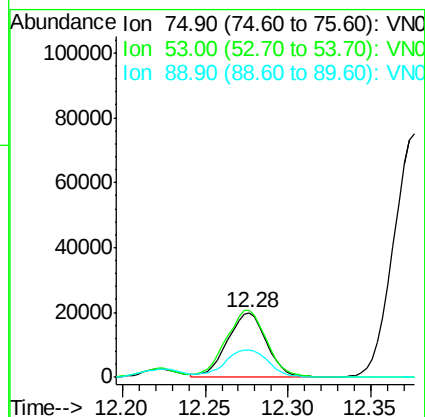
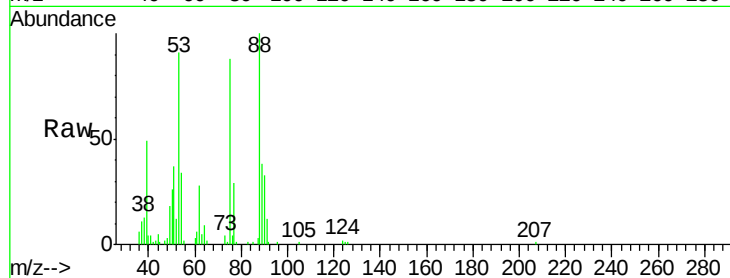
53 111.4 85.7 128.5

89 49.1 38.0 57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.250 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063366.D

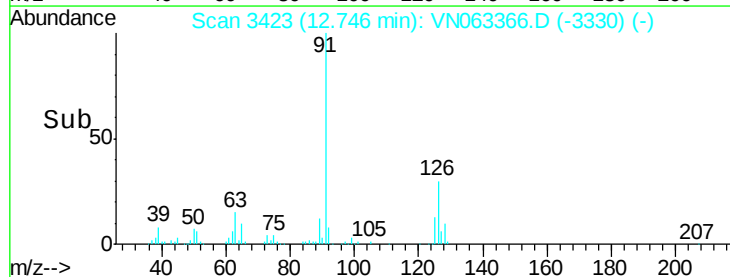
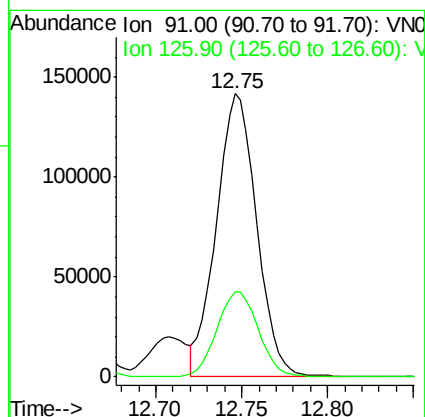
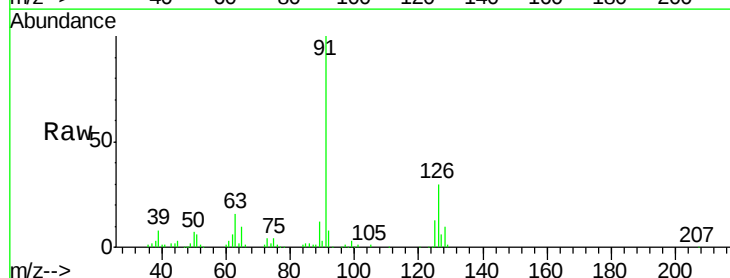
Acq: 16 Sep 2020 15:55

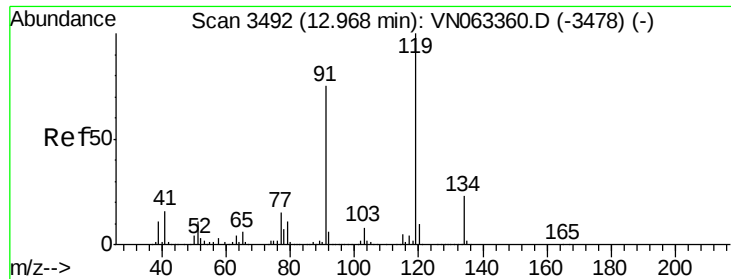
Tgt Ion: 91 Resp: 230376

Ion Ratio Lower Upper

91 100

126 31.3 15.5 46.5





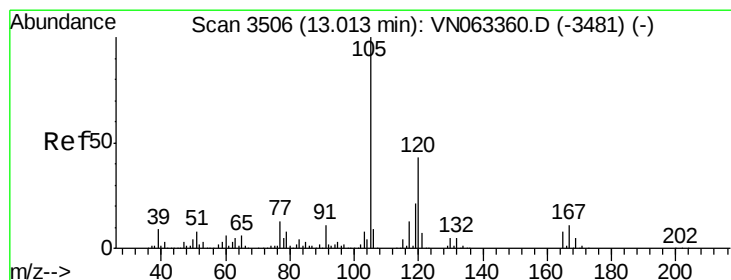
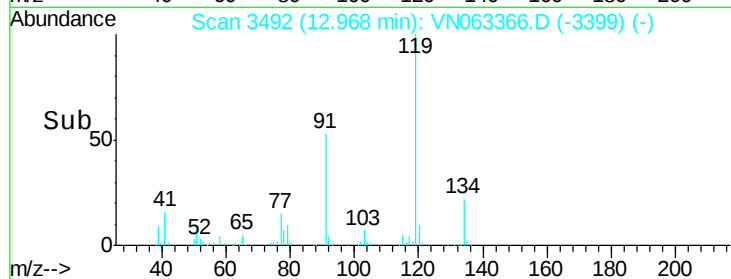
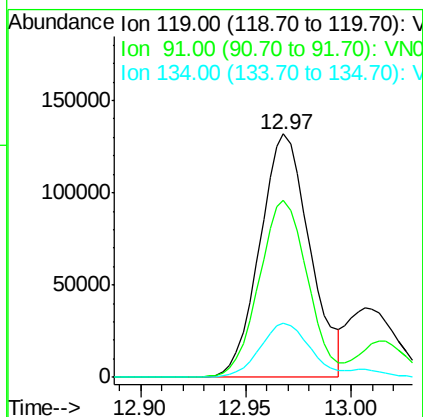
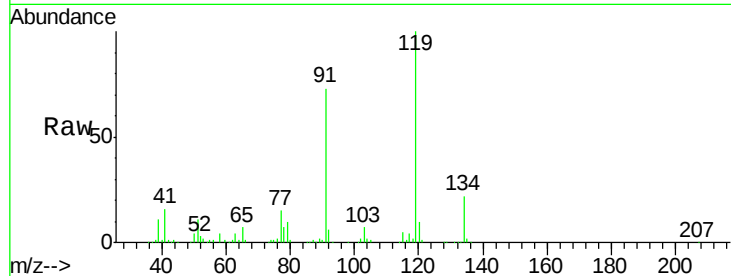
#83
tert-Butylbenzene
Concen: 20.535 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampled :
VN0916WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217948		
91	71.1	36.3	108.9	
134	22.4	12.3	36.8	

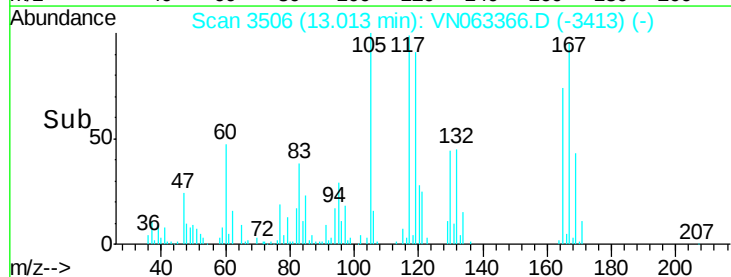
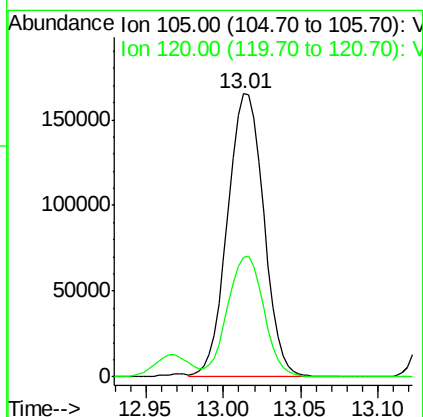
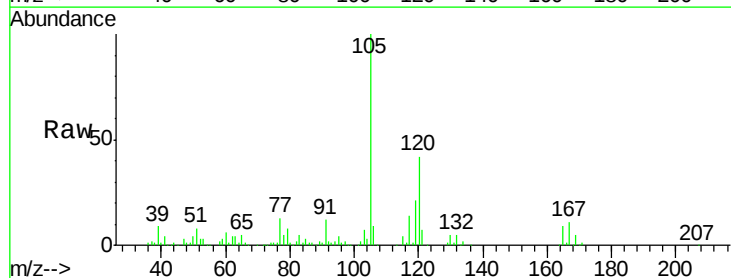
Manual Integrations
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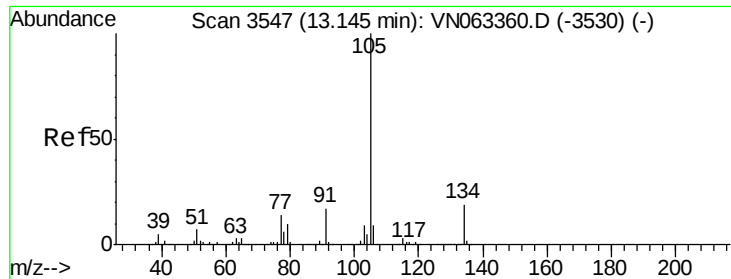
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#84
1,2,4-Trimethylbenzene
Concen: 20.602 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267602		
120	43.0	21.3	63.9	





#85

sec-Butylbenzene

Concen: 20.447 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBSD01

Tot Ion:105 Resp: 290495

Ion Ratio Lower Upper

105 100

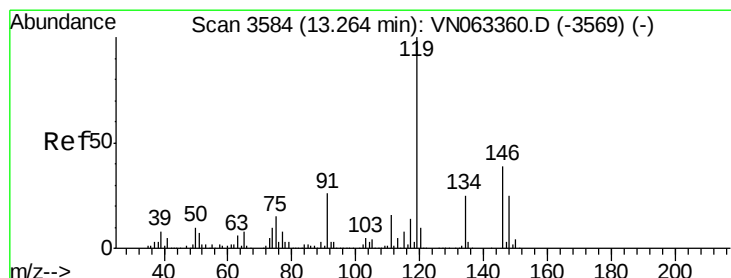
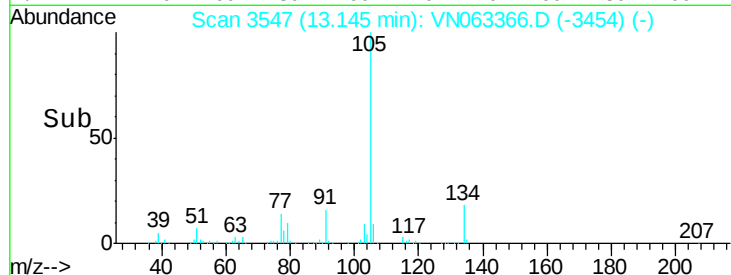
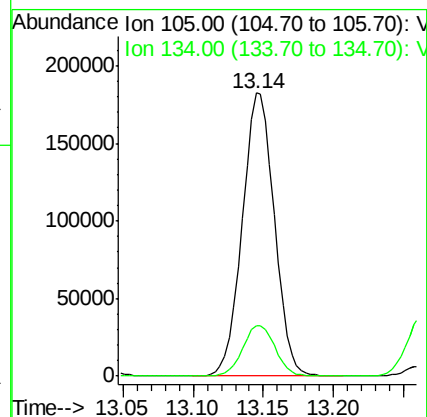
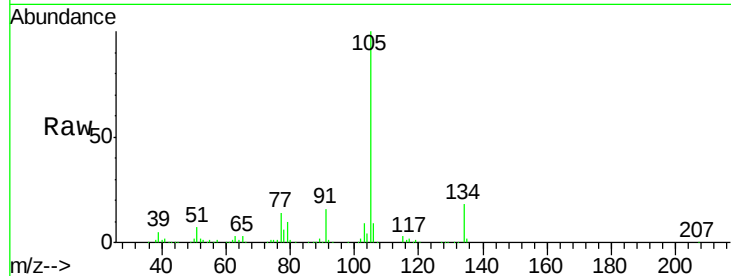
134 18.1 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.494 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063366.D

Acq: 16 Sep 2020 15:55

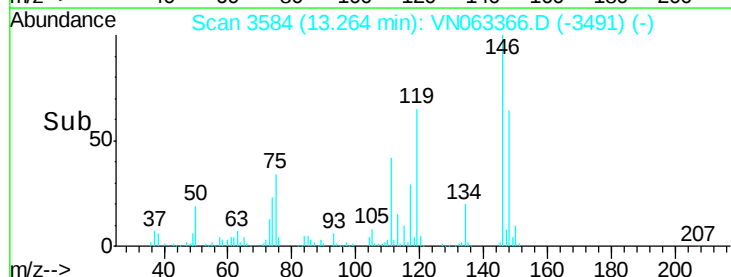
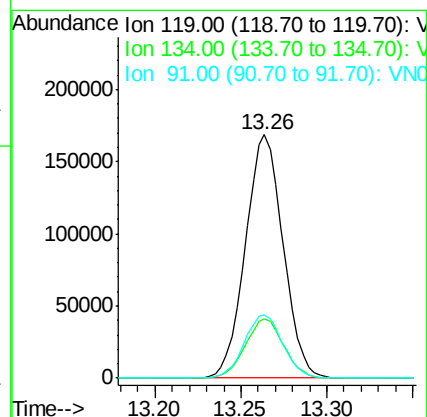
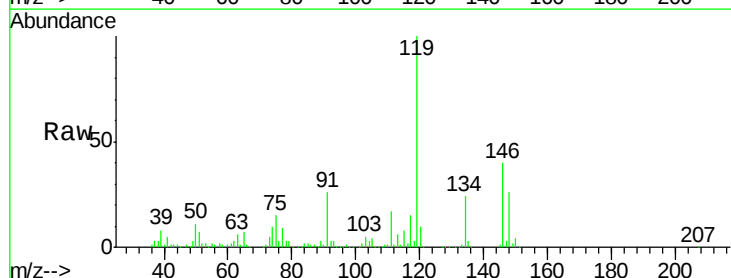
Tgt Ion:119 Resp: 256804

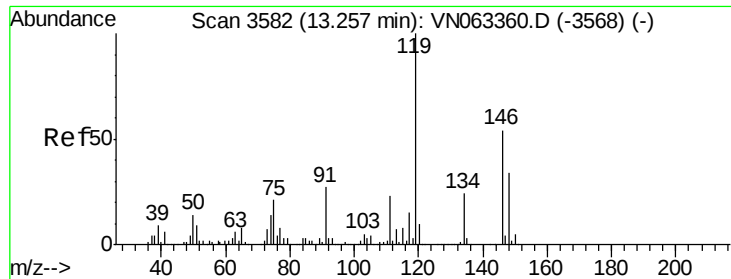
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 26.6 13.4 40.1





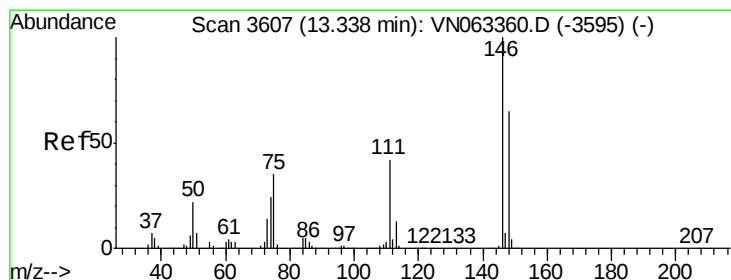
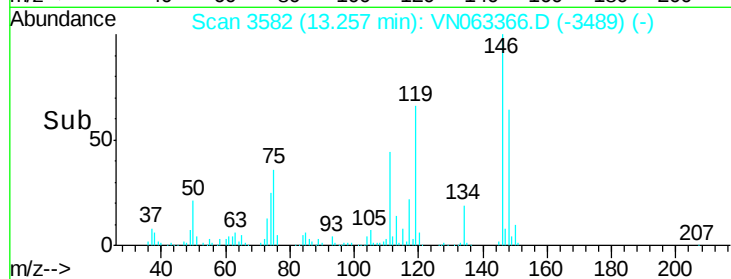
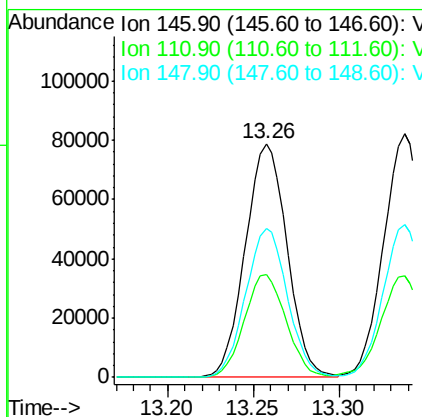
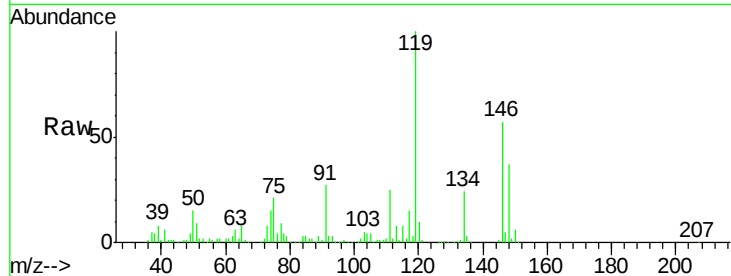
#87
 1,3-Dichlorobenzene
 Concen: 20.695 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.3
148	63.8	31.9	95.7

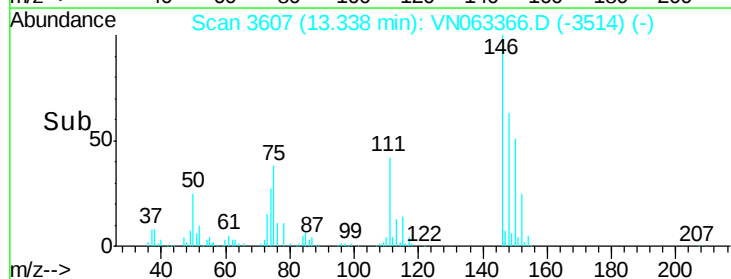
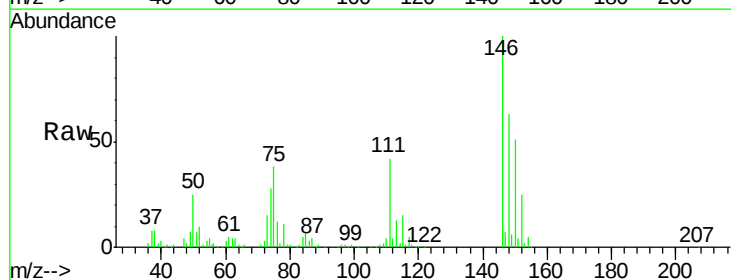
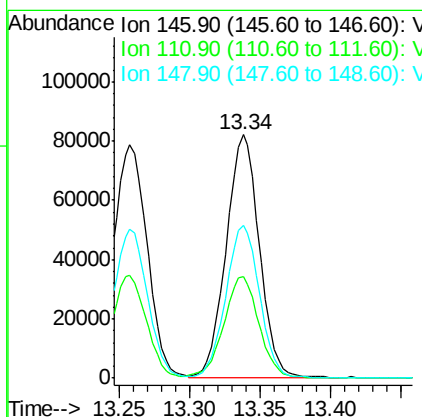
Manual Integrations
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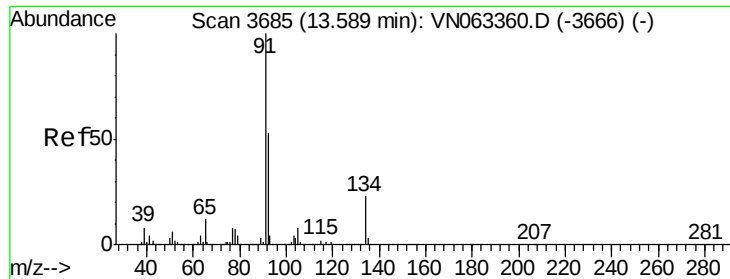
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#88
 1,4-Dichlorobenzene
 Concen: 20.580 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.2	63.6
148	64.6	31.9	95.9





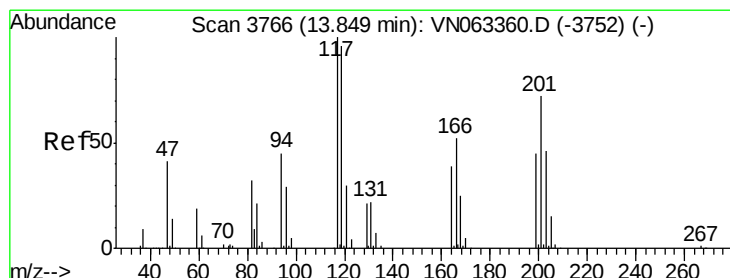
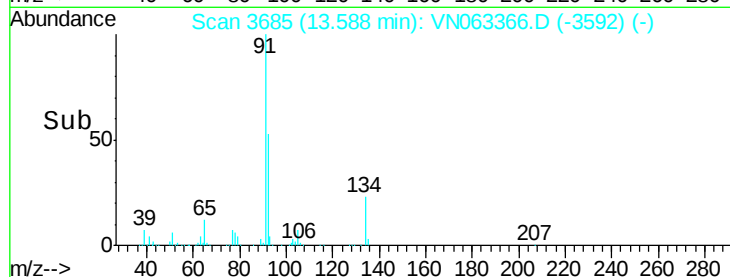
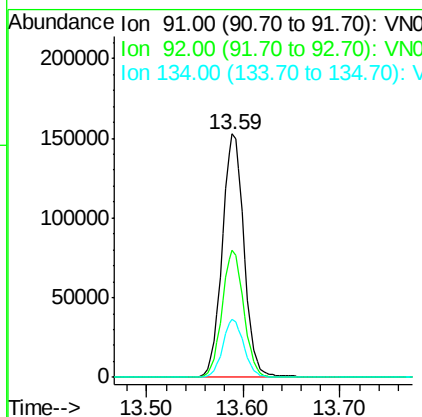
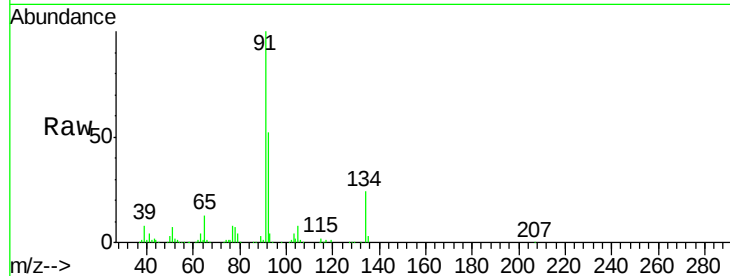
#89
n-Butylbenzene
Concen: 20.670 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	23.1	11.7	35.0

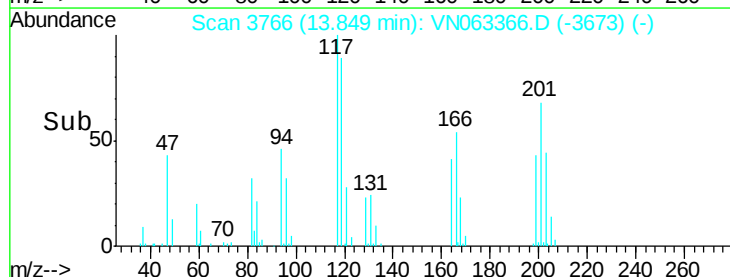
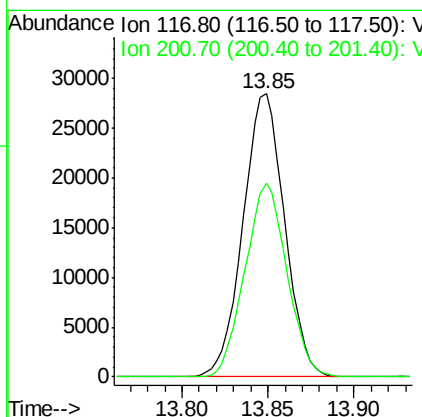
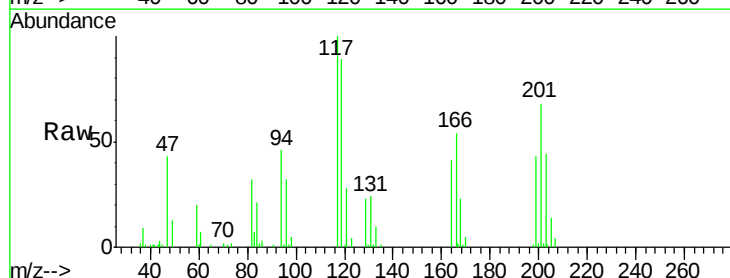
Manual Integrations
APPROVED

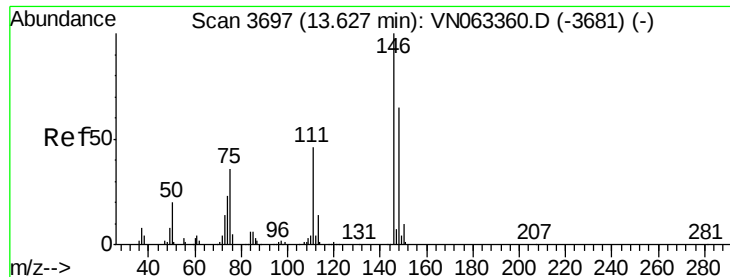
MMDadoda
9/17/2020 1:08:50 PM



#90
Hexachloroethane
Concen: 19.958 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.8	35.5	106.7





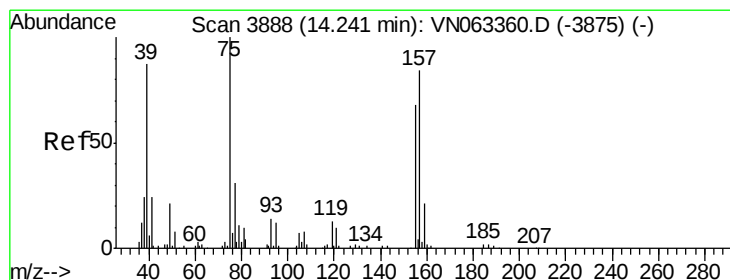
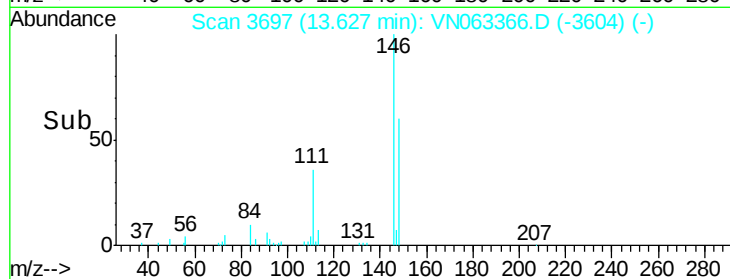
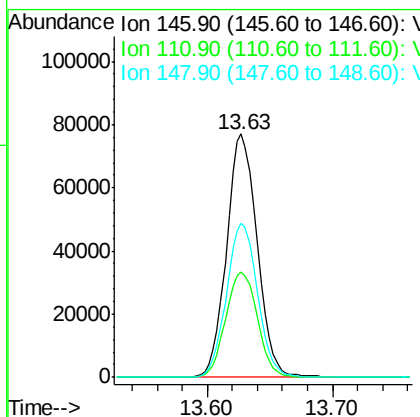
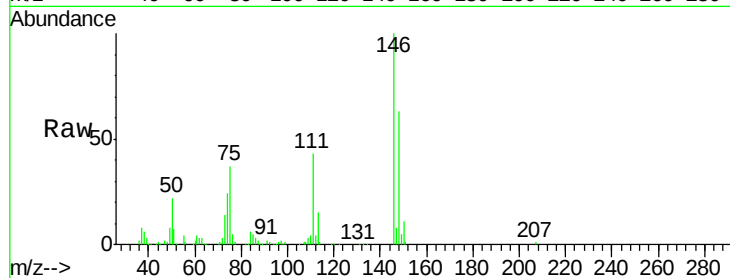
#91
 1,2-Dichlorobenzene
 Concen: 20.680 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.2
148	64.2	32.0	96.0

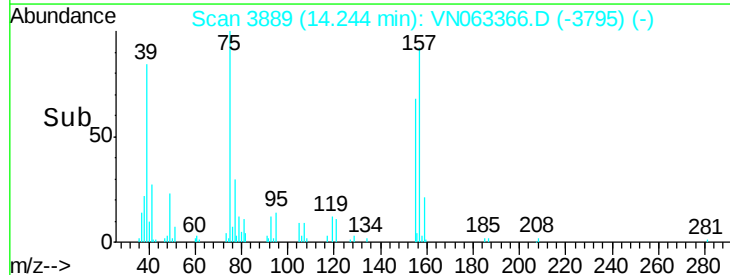
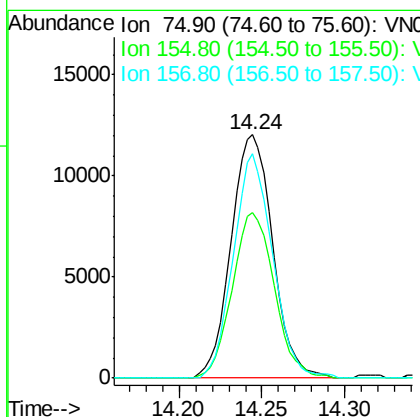
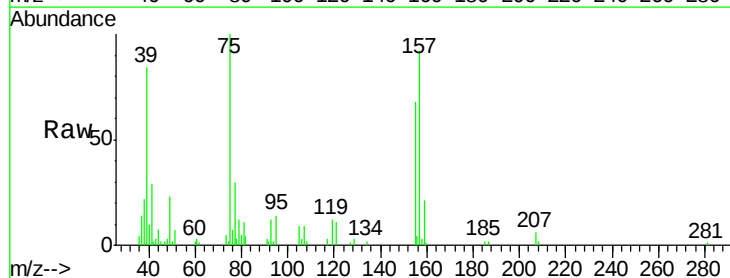
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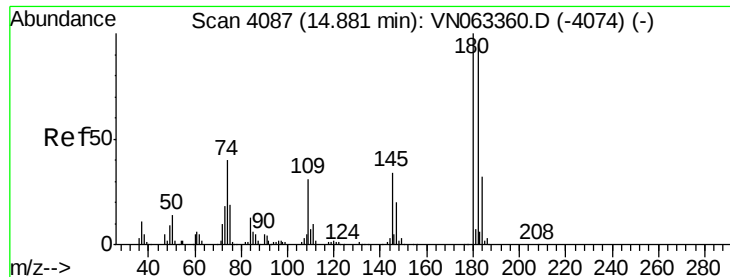
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.484 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	34.6	103.9
157	86.9	43.7	131.1





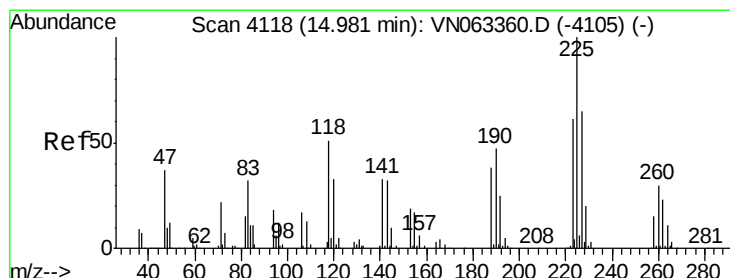
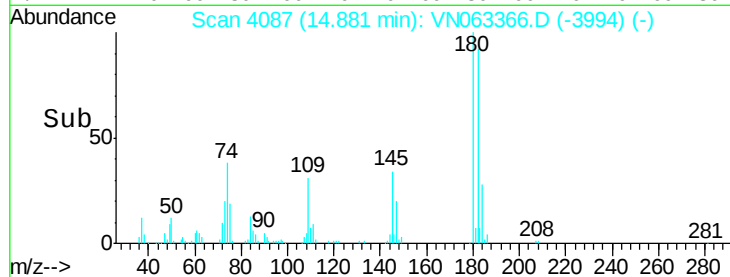
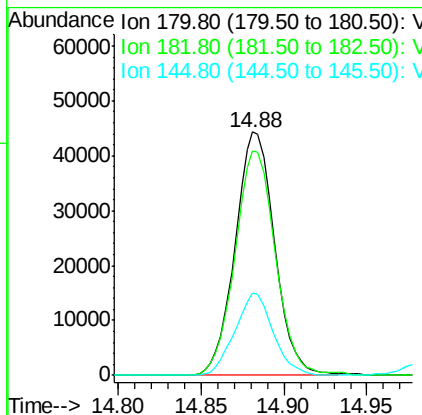
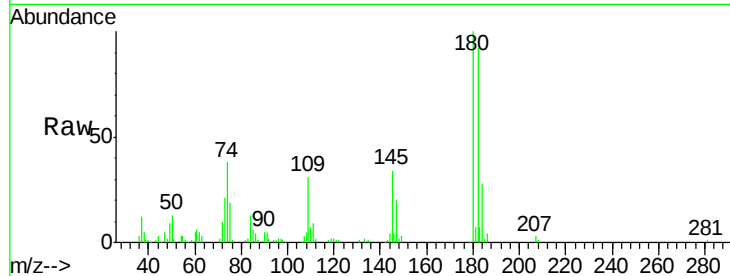
#93
 1,2,4-Trichlorobenzene
 Concen: 19.663 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	142.0
145	32.8	16.6	49.7

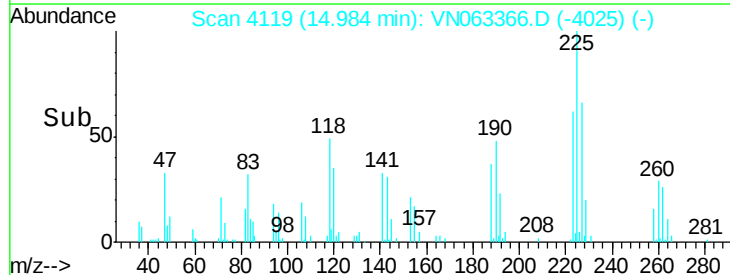
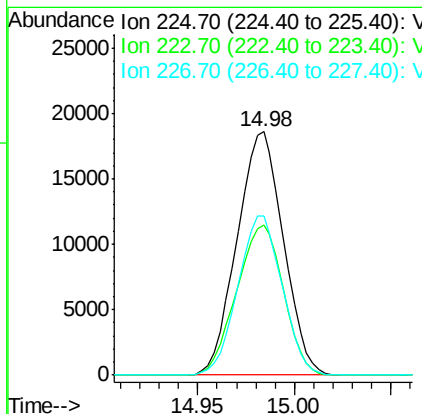
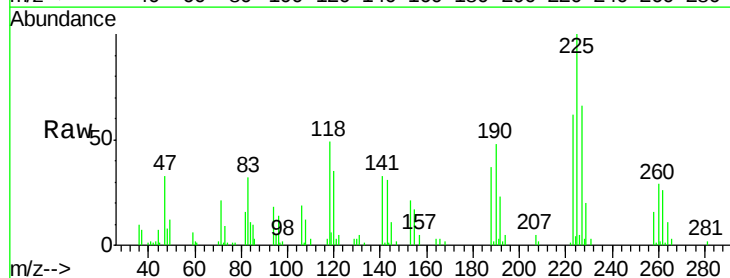
Manual Integrations
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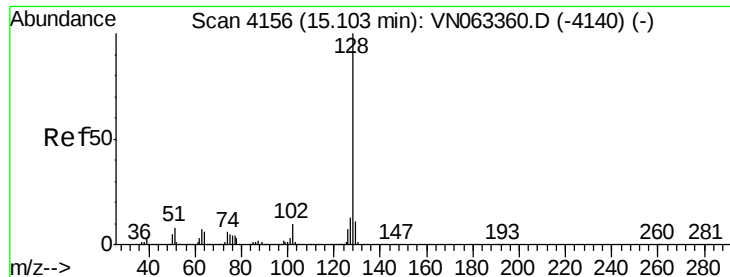
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#94
 Hexachlorobutadiene
 Concen: 20.116 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063366.D
 Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.6	91.6
227	62.6	31.2	93.6





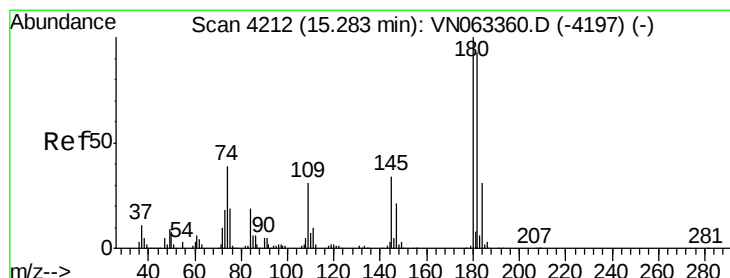
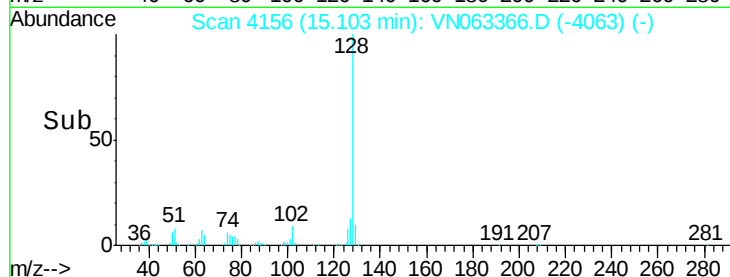
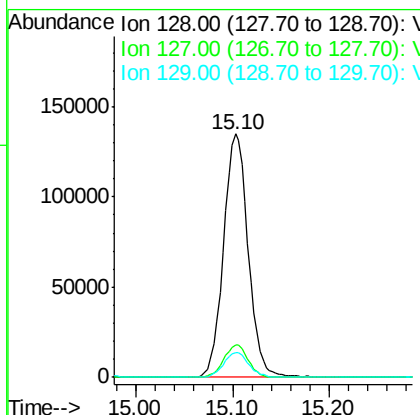
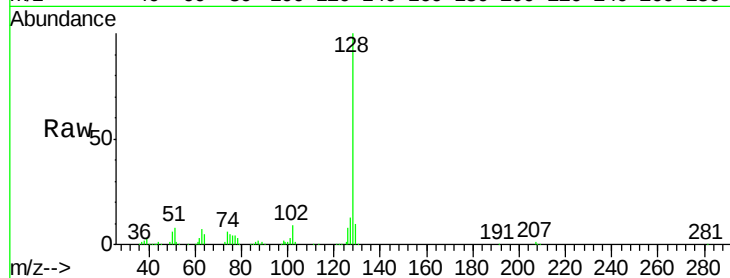
#95
Naphthalene
Concen: 19.412 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.4	8.8	13.2

Manual Integrations
APPROVED

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9/17/2020 1:08:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.728 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063366.D
Acq: 16 Sep 2020 15:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.7	140.1
145	32.5	16.8	50.3

