

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063677.D
 Acq On : 25 Sep 2020 14:43
 Operator : JC/MD
 Sample : VN0925WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 10:40:40 AM

Quant Time: Sep 28 02:16:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	248818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	431541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	394749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184196	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	218361	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.10%	
35) Dibromofluoromethane	7.55	113	150848	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
50) Toluene-d8	10.06	98	549823	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.38	95	206190	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	50033	17.749	ug/l	99
3) Chloromethane	2.04	50	63297	16.974	ug/l	97
4) Vinyl Chloride	2.16	62	62325	18.864	ug/l	98
5) Bromomethane	2.53	94	42238	21.532	ug/l	94
6) Chloroethane	2.67	64	37937	18.706	ug/l	99
7) Trichlorofluoromethane	2.99	101	97564	19.792	ug/l	98
8) Diethyl Ether	3.38	74	35752	18.605	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53859	19.428	ug/l	99
10) Methyl Iodide	3.91	142	65924	18.266	ug/l	96
11) Tert butyl alcohol	4.73	59	50405	85.902	ug/l #	93
12) 1,1-Dichloroethene	3.70	96	50755	18.076	ug/l	99
13) Acrolein	3.57	56	14659	67.413	ug/l	98
14) Allyl chloride	4.28	41	99654	17.942	ug/l	94
15) Acrylonitrile	4.93	53	143189	95.936	ug/l	100
16) Acetone	3.78	43	131967	96.947	ug/l	97
17) Carbon Disulfide	4.01	76	132405	16.211	ug/l	98
18) Methyl Acetate	4.28	43	73750	21.342	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	193694	18.509	ug/l	100
20) Methylene Chloride	4.51	84	64791	18.786	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	59352	19.079	ug/l	90
22) Diisopropyl ether	5.90	45	213176	18.820	ug/l	96
23) Vinyl Acetate	5.85	43	873855	93.934	ug/l	100
24) 1,1-Dichloroethane	5.80	63	118124	19.101	ug/l	99
25) 2-Butanone	6.79	43	201260	96.134	ug/l	100
26) 2,2-Dichloropropane	6.78	77	101058	18.560	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	67267	19.104	ug/l	99
28) Bromochloromethane	7.15	49	55811	19.546	ug/l	97
29) Tetrahydrofuran	7.16	42	130011	90.927	ug/l	98
30) Chloroform	7.33	83	123265	19.867	ug/l	98
31) Cyclohexane	7.61	56	95120	16.261	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	106984	19.386	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84165	18.307	ug/l	99
37) Ethyl Acetate	6.88	43	85486	18.945	ug/l	98
38) Carbon Tetrachloride	7.74	117	88885	18.939	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	82694	16.573	ug/l	97
40) Benzene	8.00	78	252685	19.254	ug/l	98
41) Methacrylonitrile	7.13	41	36196	17.836	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	106964	20.267	ug/l	100
43) Isopropyl Acetate	8.13	43	147362	18.264	ug/l #	89
44) Trichloroethene	8.80	130	63170	19.845	ug/l	94
45) 1,2-Dichloropropane	9.08	63	69540	19.455	ug/l	99
46) Dibromomethane	9.18	93	48238	20.533	ug/l	99
47) Bromodichloromethane	9.37	83	96013	19.672	ug/l	100
48) Methyl methacrylate	9.17	41	72809	18.367	ug/l	98
49) 1,4-Dioxane	9.17	88	20710	364.062	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	447976	99.178	ug/l	98
52) Toluene	10.13	92	155175	19.666	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	103150	18.931	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	107582	18.719	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	63256	20.183	ug/l	99
56) Ethyl methacrylate	10.40	69	90469	18.490	ug/l	98
57) 1,3-Dichloropropane	10.68	76	108079	19.122	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	239950	93.486	ug/l	98
59) 2-Hexanone	10.72	43	327345	100.033	ug/l	99
60) Dibromochloromethane	10.87	129	70349	19.868	ug/l	96
61) 1,2-Dibromoethane	10.98	107	63509	19.504	ug/l	97
64) Tetrachloroethene	10.60	164	56012	20.838	ug/l	98
65) Chlorobenzene	11.41	112	165089	19.702	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	62424	20.323	ug/l	98
67) Ethyl Benzene	11.49	91	297710	18.866	ug/l	98
68) m/p-Xylenes	11.59	106	218571	38.417	ug/l	98
69) o-Xylene	11.92	106	104590	19.298	ug/l	98
70) Styrene	11.94	104	177643	19.545	ug/l	100
71) Bromoform	12.10	173	44400	19.404	ug/l #	98
73) Isopropylbenzene	12.23	105	279304	18.923	ug/l	99
74) N-amyl acetate	12.05	43	128608	18.406	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	92862	20.319	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	85324m	18.715	ug/l	
77) Bromobenzene	12.50	156	66857	20.136	ug/l	98
78) n-propylbenzene	12.57	91	323071	18.792	ug/l	99
79) 2-Chlorotoluene	12.65	91	198551	19.266	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	236486	19.214	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	29957	18.015	ug/l	93
82) 4-Chlorotoluene	12.75	91	209524	19.242	ug/l	100
83) tert-Butylbenzene	12.97	119	190616	18.764	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	236294	19.006	ug/l	98
85) sec-Butylbenzene	13.15	105	253062	18.610	ug/l	100
86) p-Isopropyltoluene	13.26	119	223930	18.671	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	123767	20.112	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	122228	19.535	ug/l	98
89) n-Butylbenzene	13.59	91	200373	18.125	ug/l	97
90) Hexachloroethane	13.85	117	40930	17.922	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	121775	20.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	20832	19.142	ug/l	97

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ClientSampleId :
VN0925WBSD01

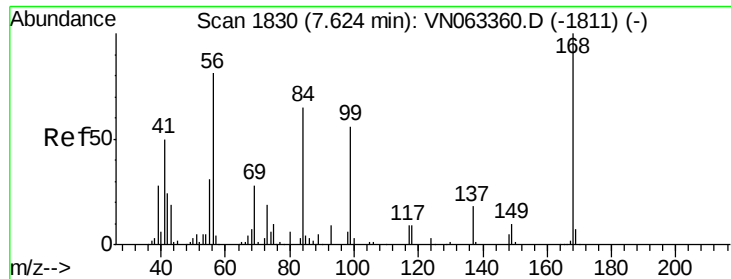
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62795	17.630	ug/l	98
94) Hexachlorobutadiene	14.98	225	32622	22.123	ug/l	98
95) Naphthalene	15.11	128	202041	17.169	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	63348	18.407	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:168 Resp: 248818

Ion Ratio Lower Upper

168 100

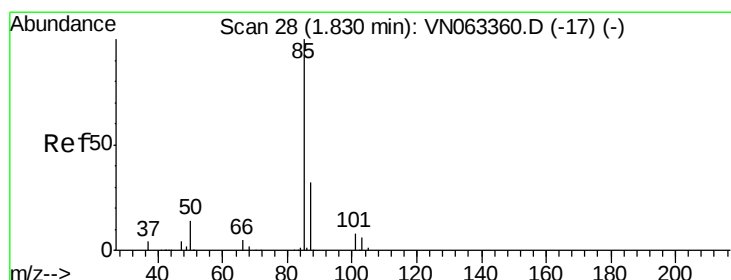
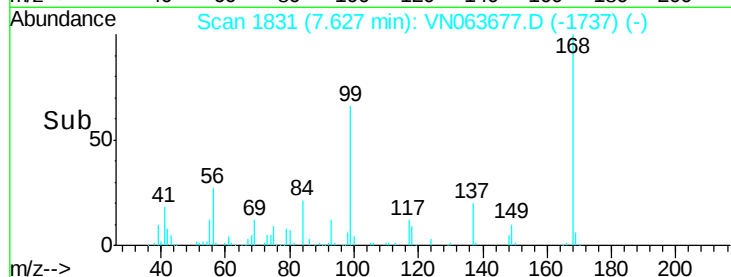
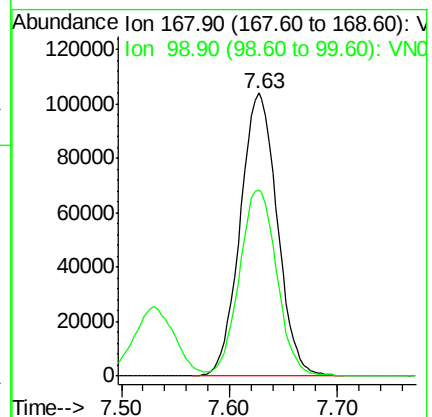
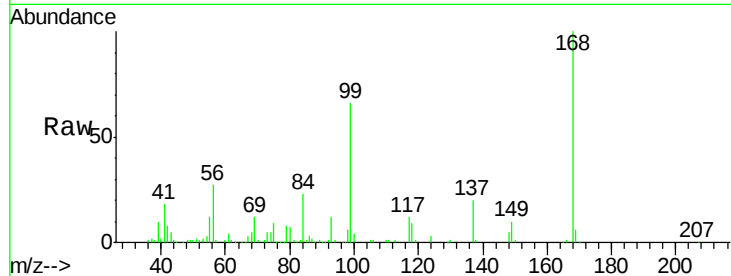
99 65.4 53.0 79.6

Manual Integrations

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9/29/2020 10:40:40 AM



#2

Dichlorodifluoromethane

Concen: 17.749 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063677.D

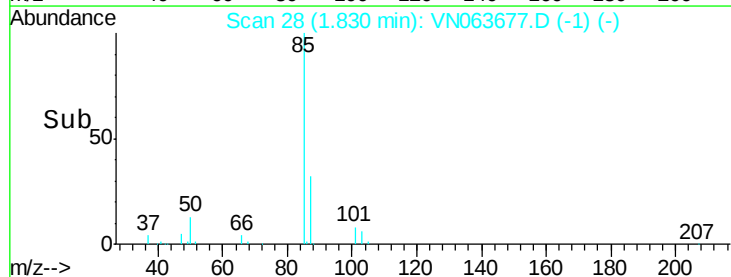
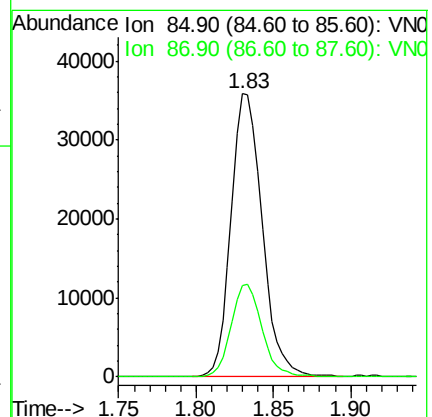
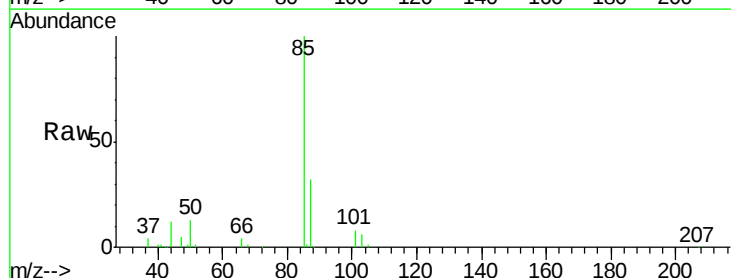
Acq: 25 Sep 2020 14:43

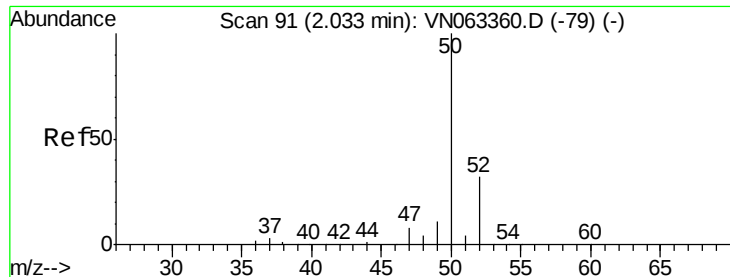
Tgt Ion: 85 Resp: 50033

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6





#3

Chloromethane

Concen: 16.974 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 50 Resp: 63297

Ion Ratio Lower Upper

50 100

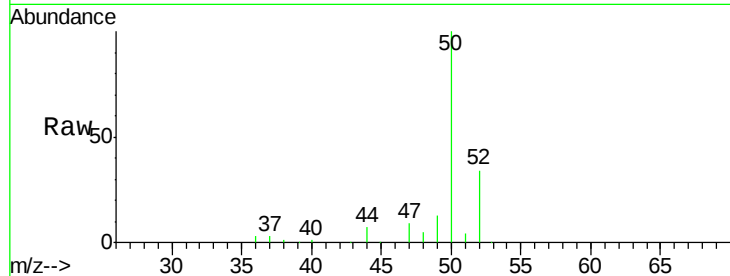
52 33.9 25.9 38.9

Manual Integrations

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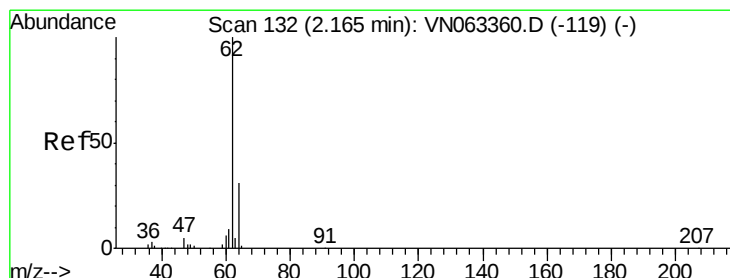
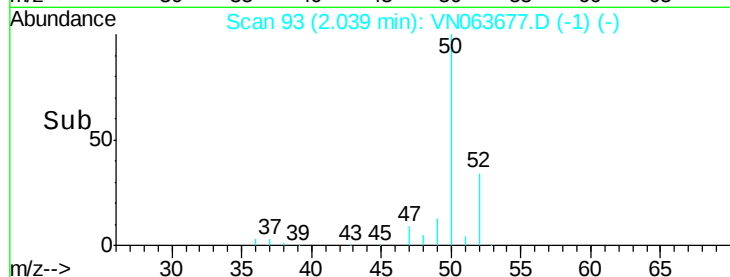
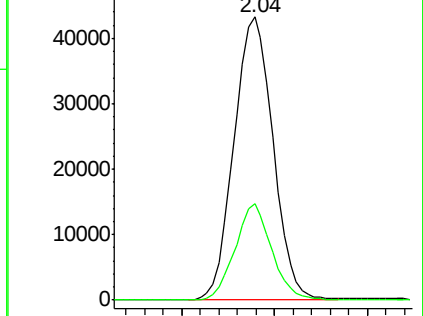
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.864 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063677.D

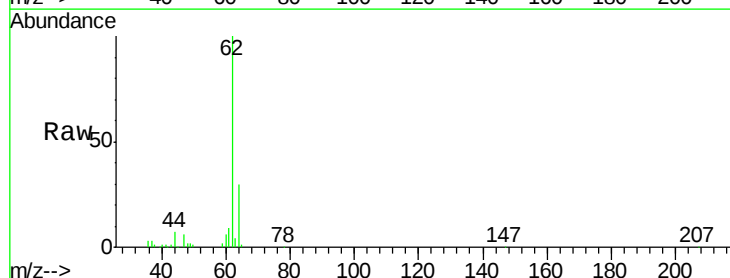
Acq: 25 Sep 2020 14:43

Tgt Ion: 62 Resp: 62325

Ion Ratio Lower Upper

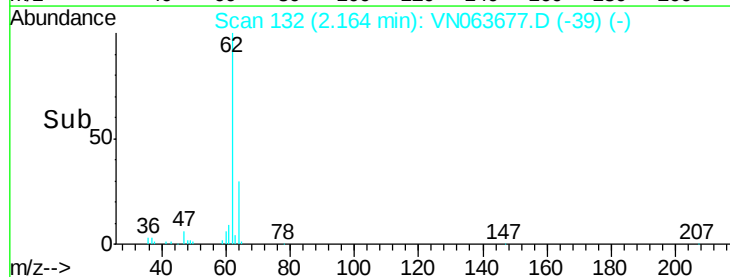
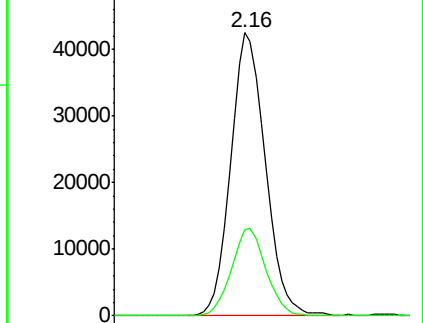
62 100

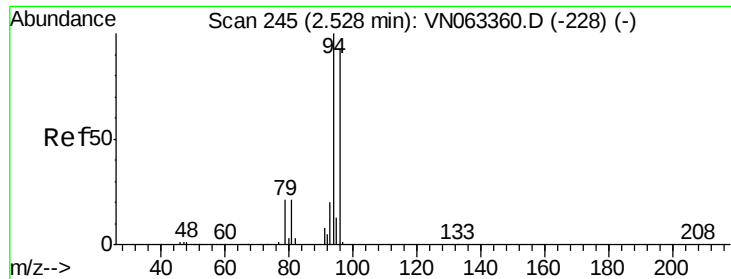
64 30.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





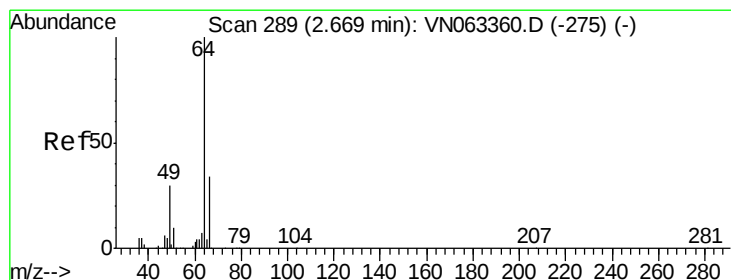
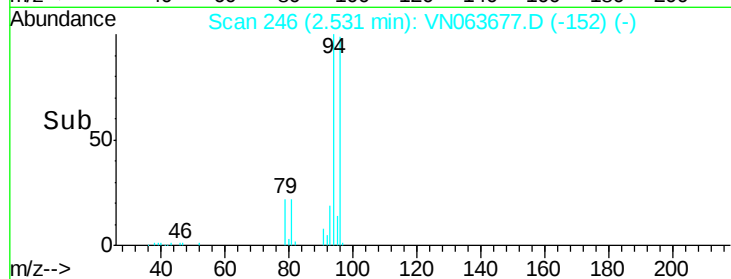
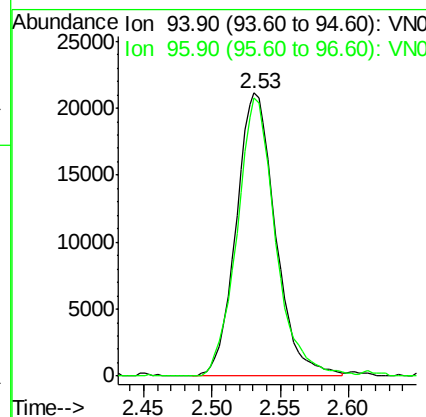
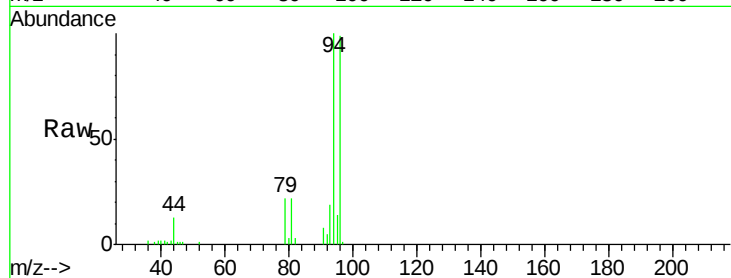
#5
Bromomethane
Concen: 21.532 ug/l
RT: 2.53 min Scan# 246
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
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Tot Ion	Ion	Ratio	Lower	Upper
94	100			
96	98.5	74.5	111.7	

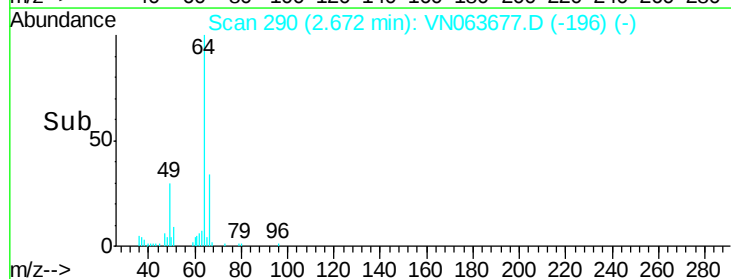
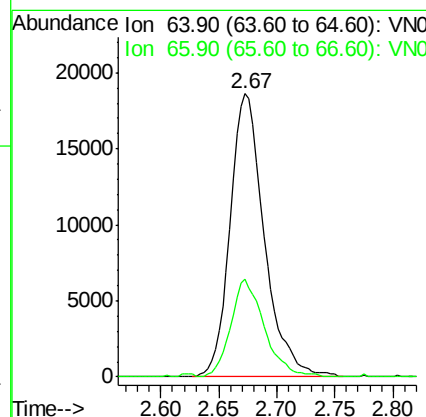
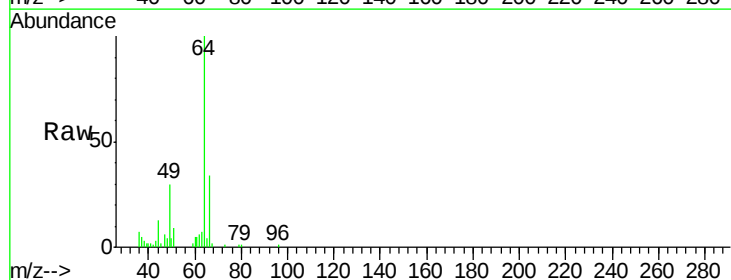
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#6
Chloroethane
Concen: 18.706 ug/l
RT: 2.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ion	Ratio	Lower	Upper
64	100			
66	34.3	26.9	40.3	





#7

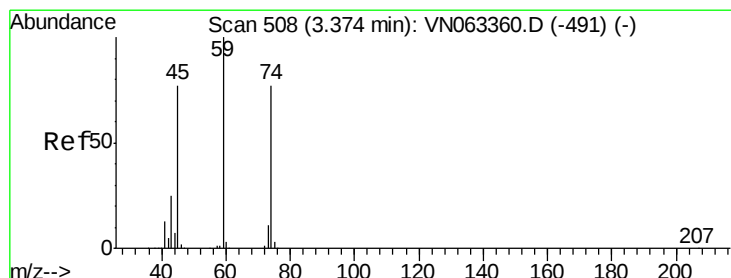
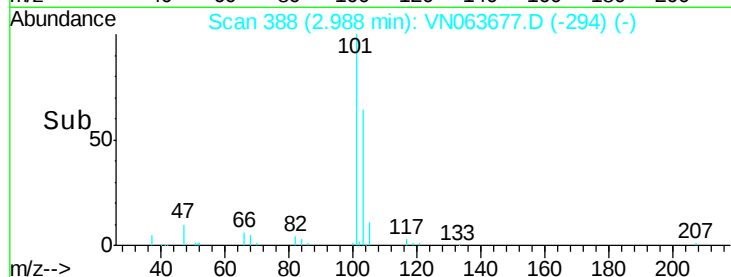
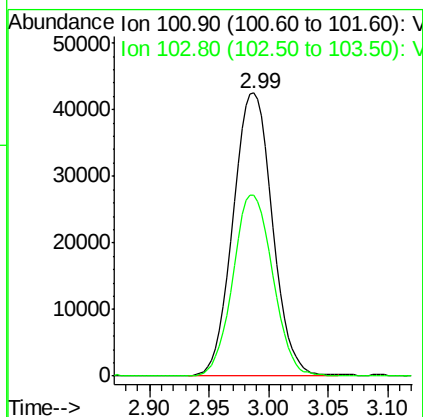
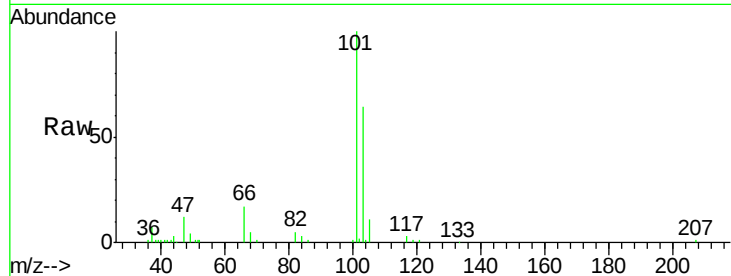
Trichlorofluoromethane
 Concen: 19.792 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

Manual Integrations
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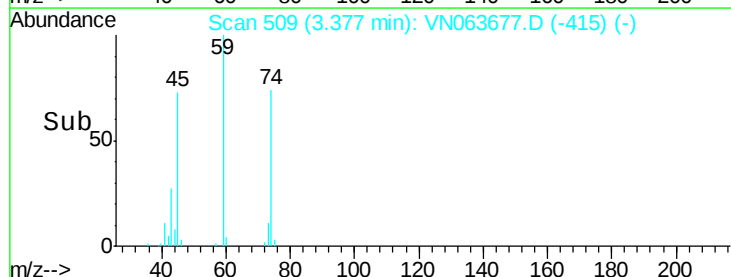
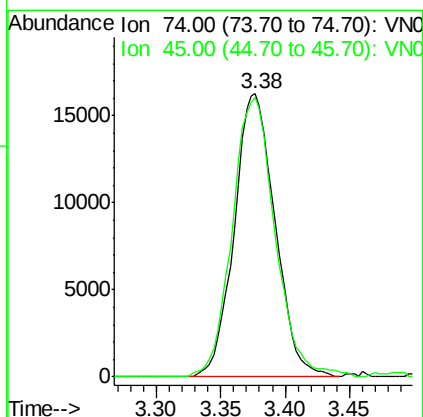
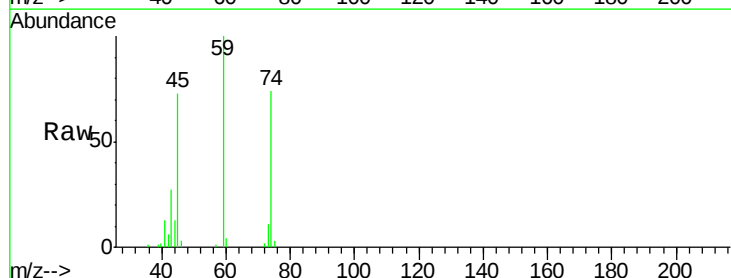
MMDadoda
 9/29/2020 10:40:40 AM

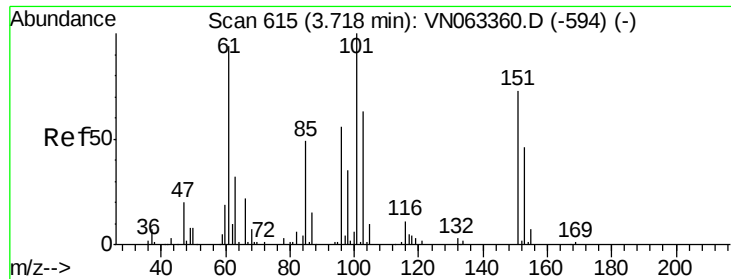


#8

Diethyl Ether
 Concen: 18.605 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.428 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

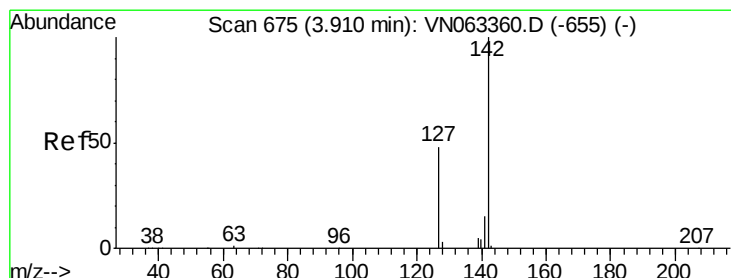
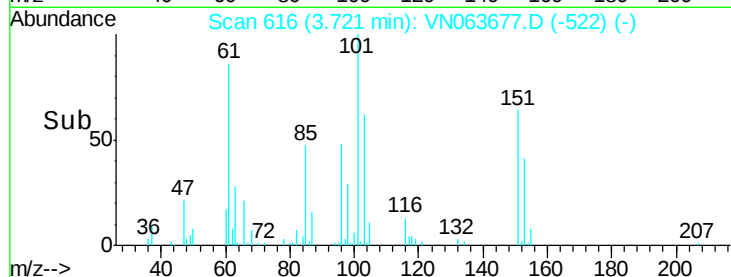
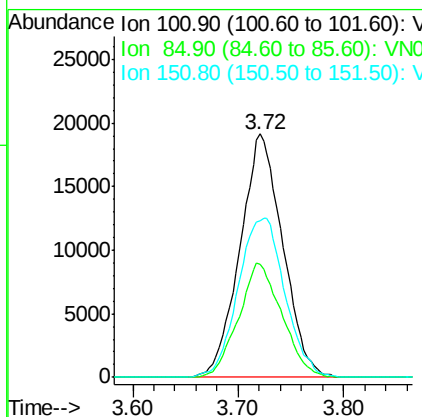
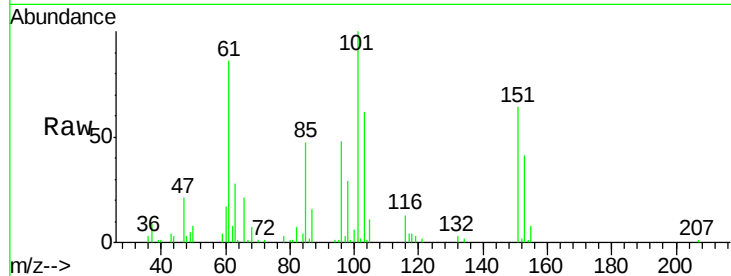
ClientSampleId :

VN0925WBSD01

Tot Ion:	101	Resp:	53859
Ion Ratio	Lower	Upper	
101	100		
85	47.4	37.7	56.5
151	71.6	57.7	86.5

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#10

Methyl Iodide

Concen: 18.266 ug/l

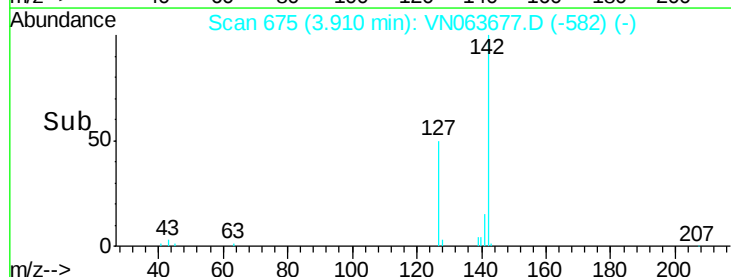
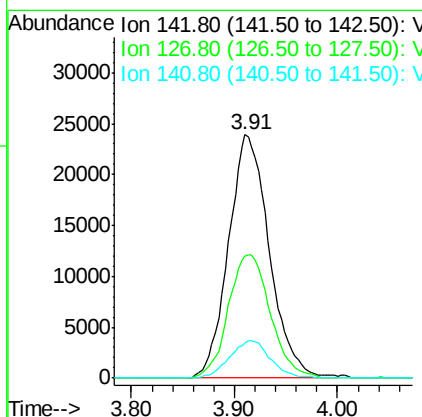
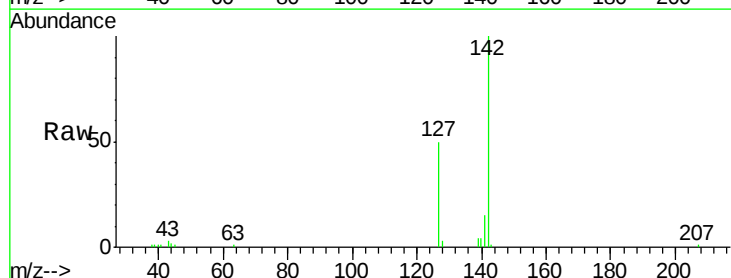
RT: 3.91 min Scan# 675

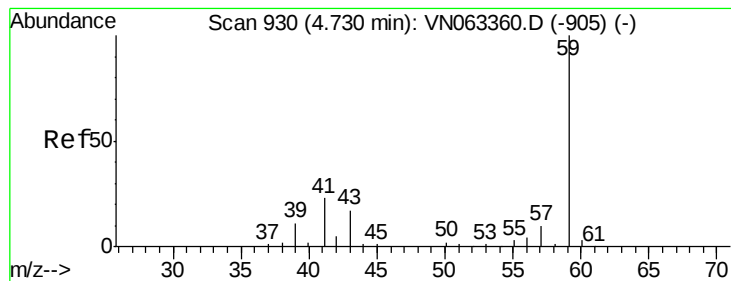
Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	142	Resp:	65924
Ion Ratio	Lower	Upper	
142	100		
127	52.0	39.0	58.6
141	15.2	11.6	17.4





#11

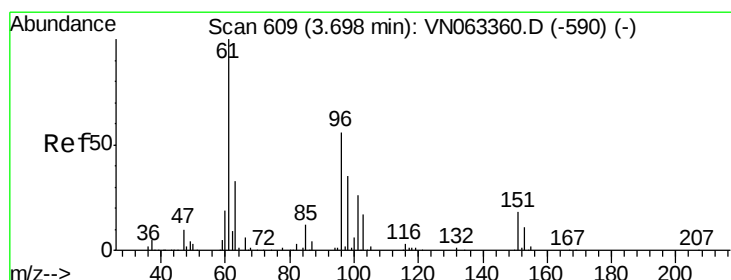
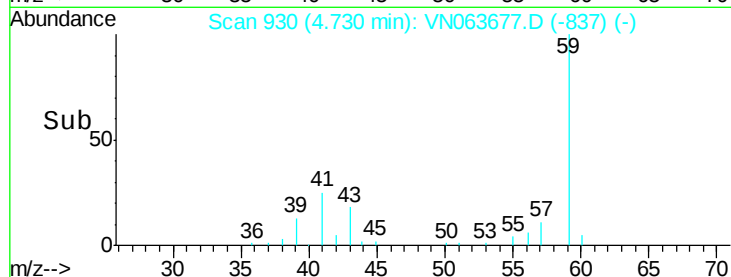
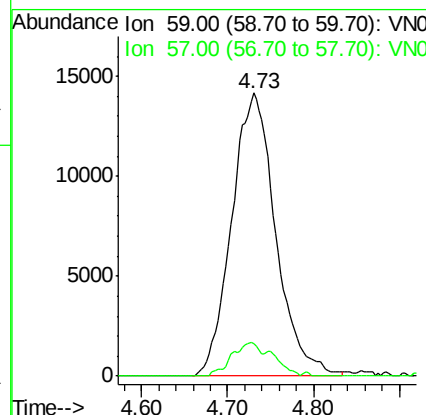
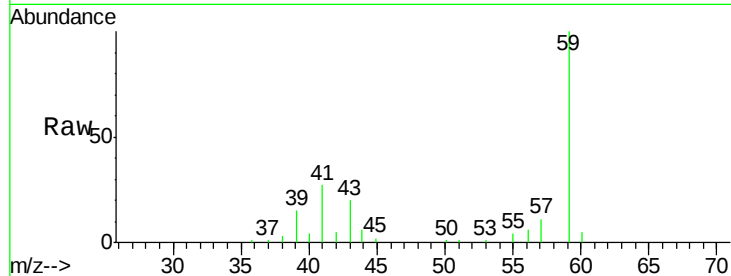
Tert butyl alcohol
 Concen: 85.902 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	50405		
57	57	7.8		8.4	12.6#

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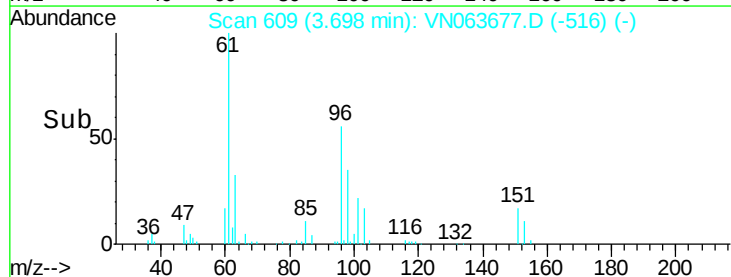
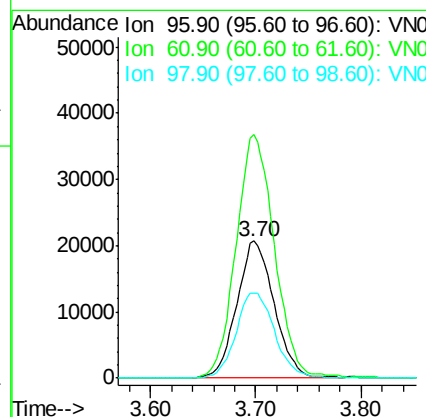
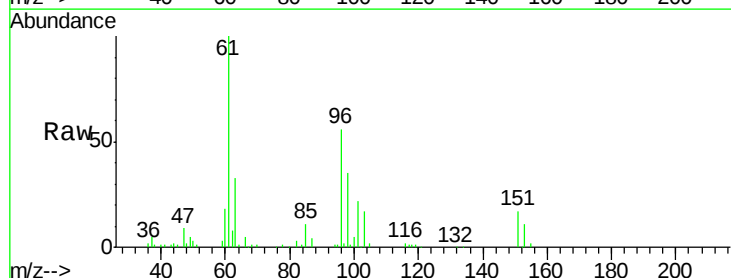
MMDadoda
 9/29/2020 10:40:40 AM

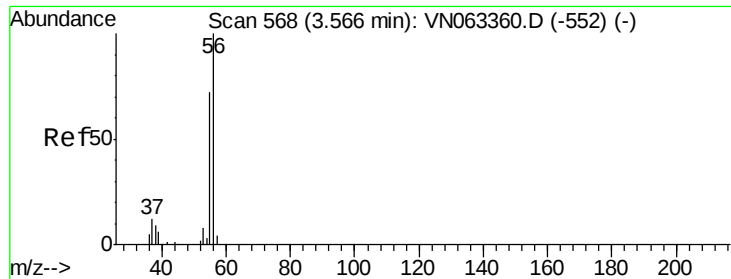


#12

1,1-Dichloroethene
 Concen: 18.076 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	50755		
61	61	177.5		143.4	215.2
98	98	62.0		50.6	76.0





#13

Acrolein

Concen: 67.413 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 56 Resp: 14659

Ion Ratio Lower Upper

56 100

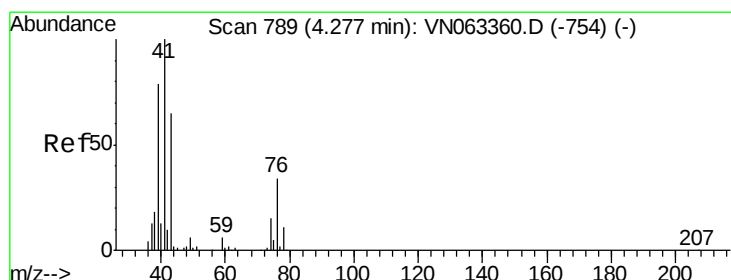
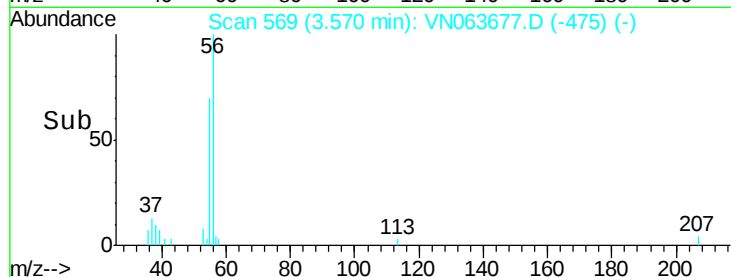
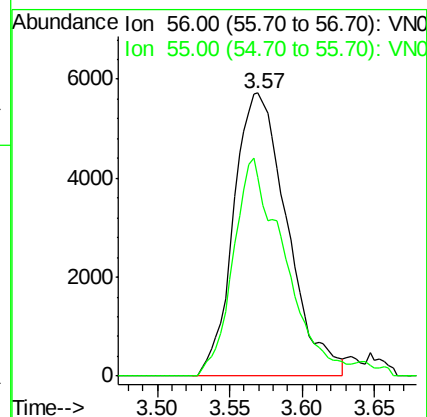
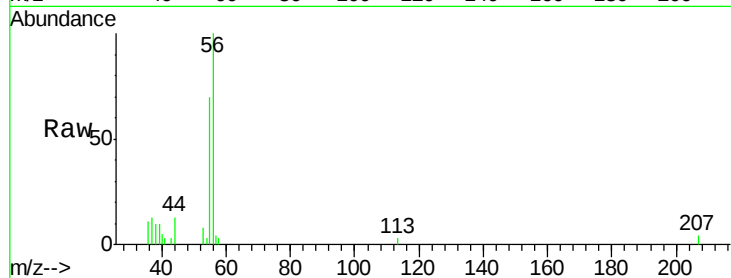
55 74.2 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 17.942 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

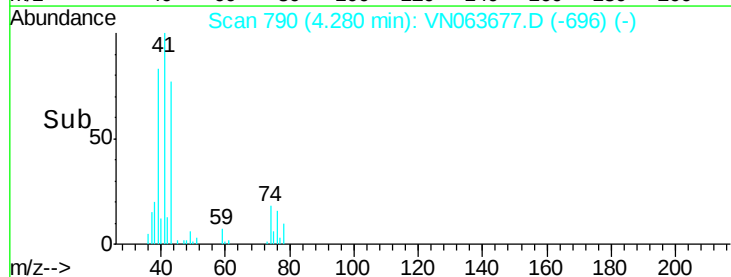
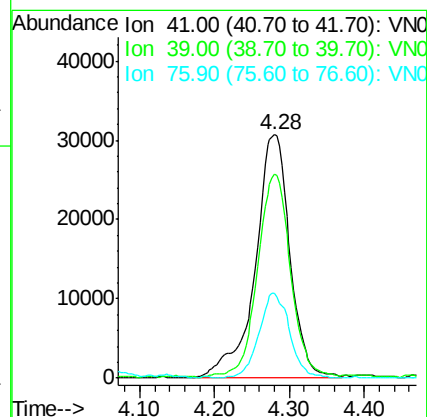
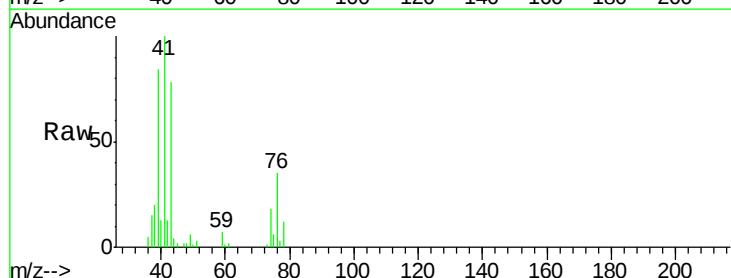
Tgt Ion: 41 Resp: 99654

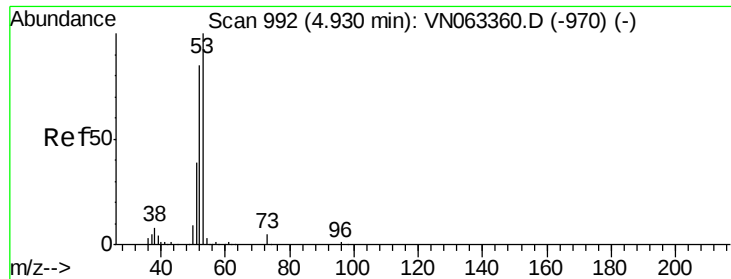
Ion Ratio Lower Upper

41 100

39 80.4 59.3 88.9

76 30.7 25.3 37.9





#15

Acrylonitrile

Concen: 95.936 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

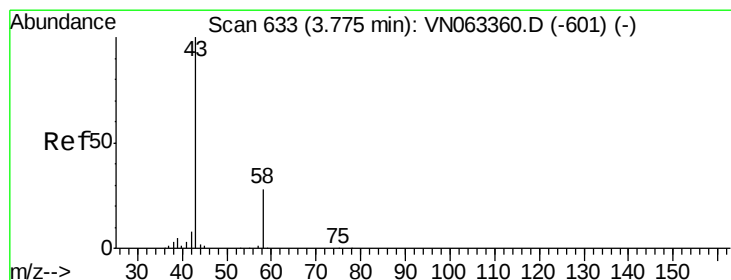
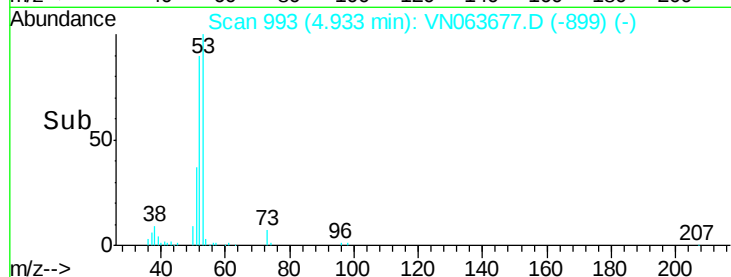
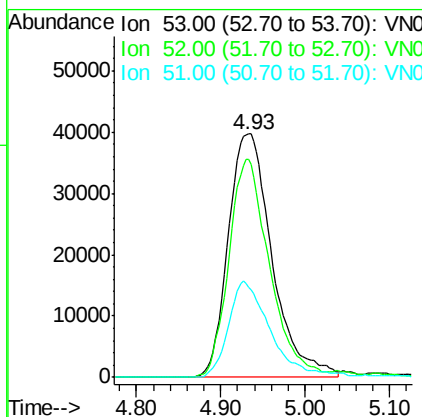
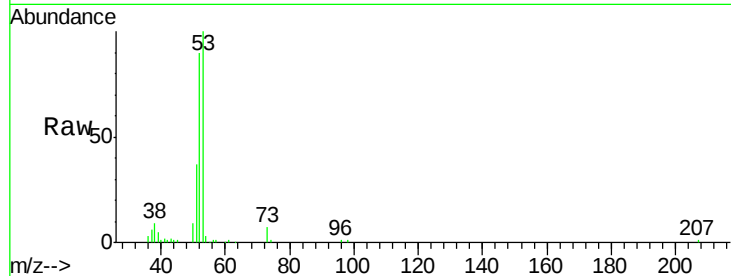
ClientSampleId :

VN0925WBSD01

Tot Ion:	53	Resp:	143189
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.4	99.6
51	37.2	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 96.947 ug/l

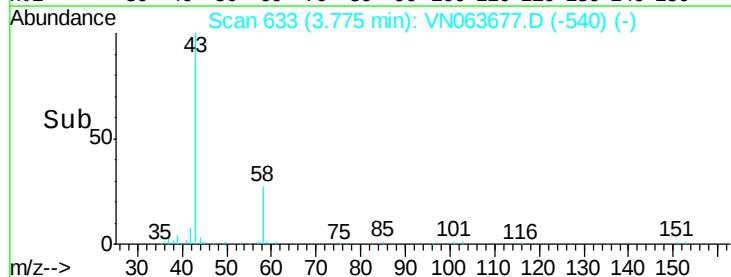
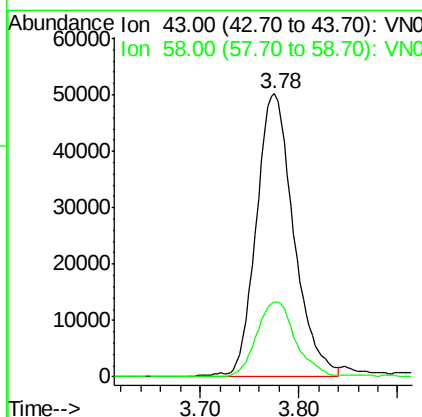
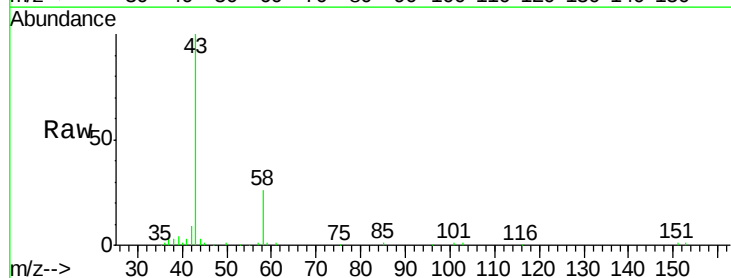
RT: 3.78 min Scan# 633

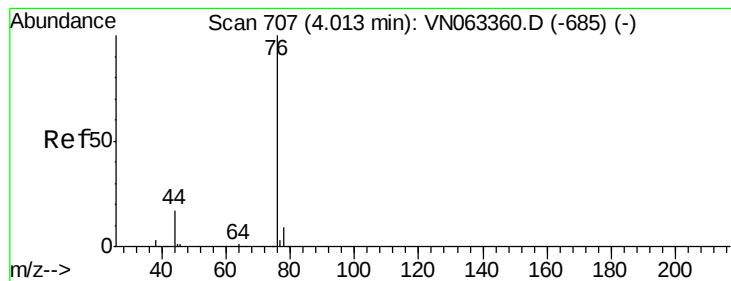
Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	43	Resp:	131967
Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.3	33.5





#17

Carbon Disulfide

Concen: 16.211 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 76 Resp: 132405

Ion Ratio Lower Upper

76 100

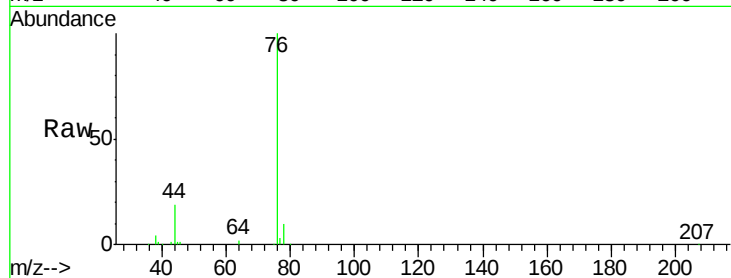
78 9.7 7.2 10.8

Manual Integrations

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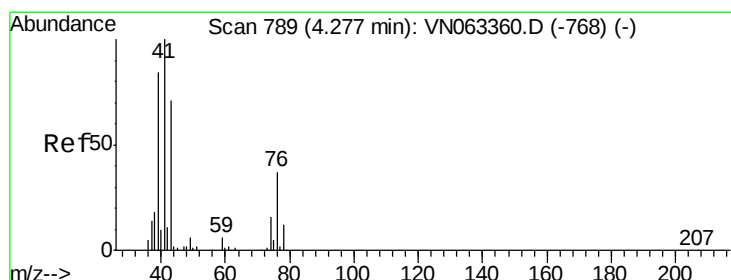
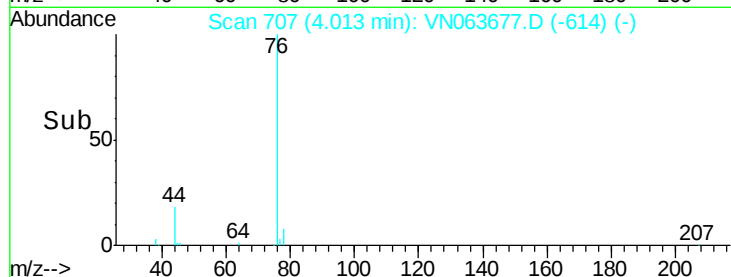
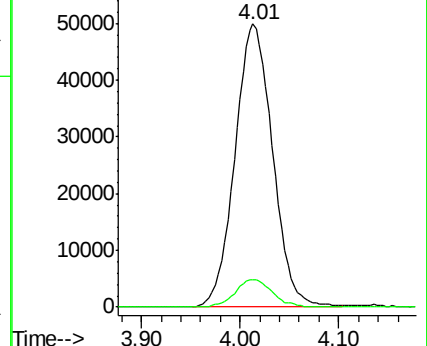
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.342 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063677.D

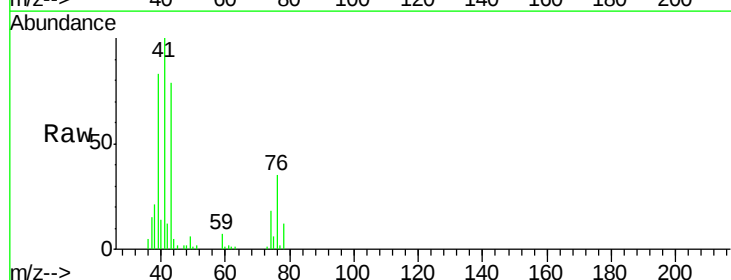
Acq: 25 Sep 2020 14:43

Tgt Ion: 43 Resp: 73750

Ion Ratio Lower Upper

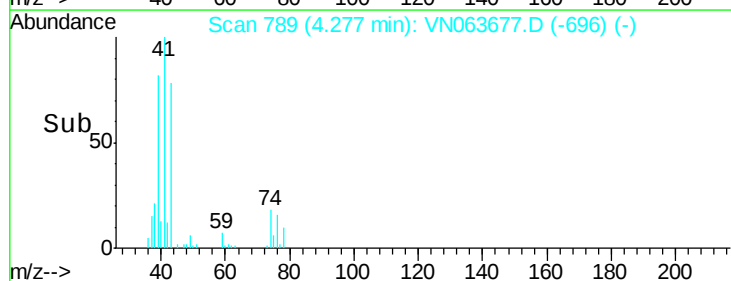
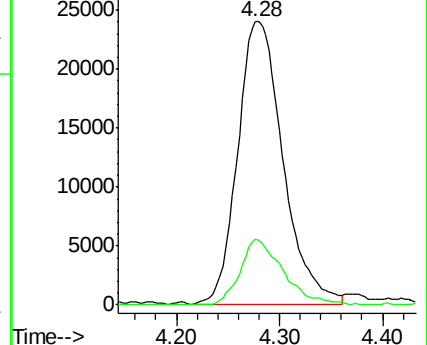
43 100

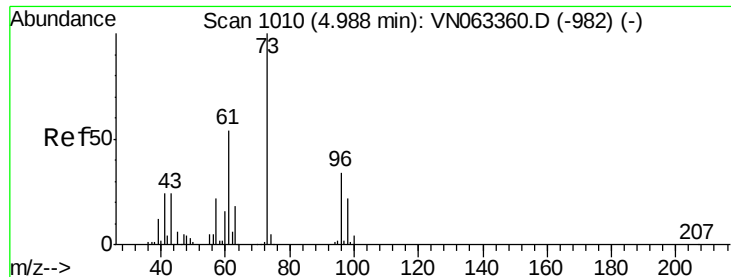
74 21.9 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





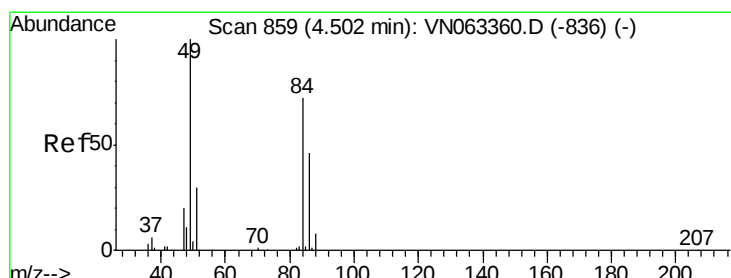
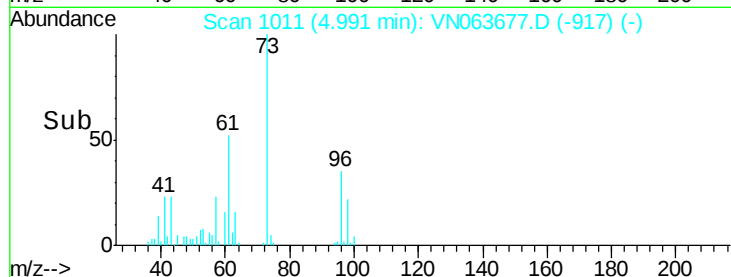
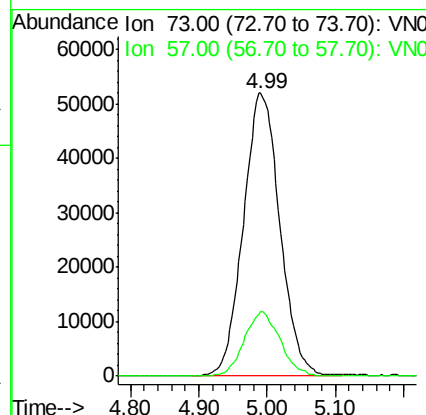
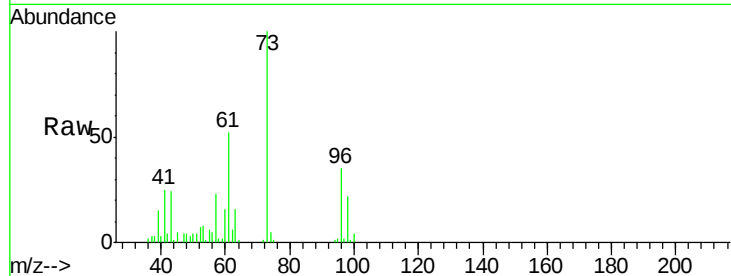
#19
Methvl tert-butvl Ether
Concen: 18.509 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion: 73 Resp: 193694
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

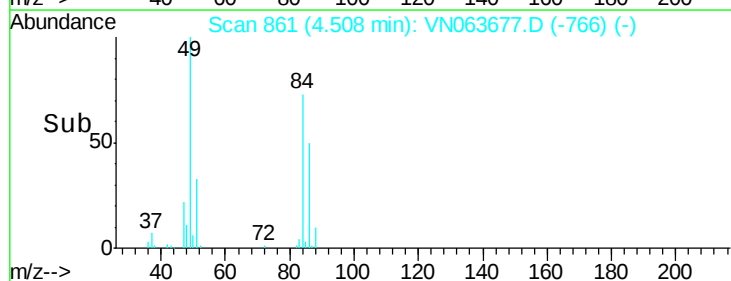
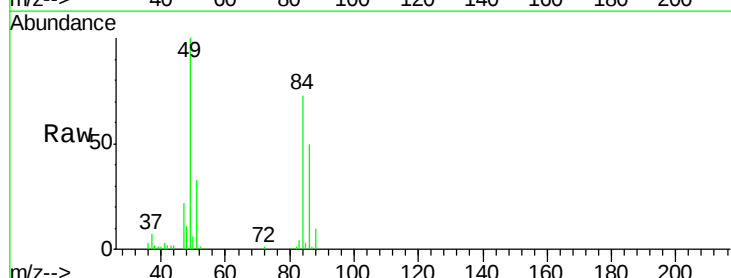
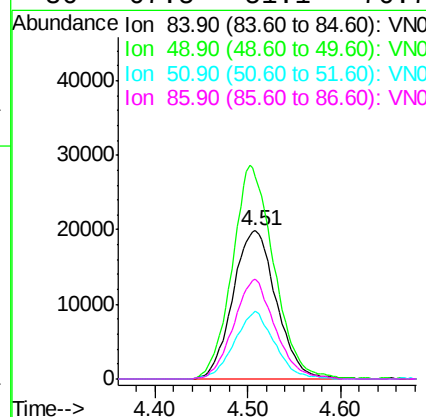
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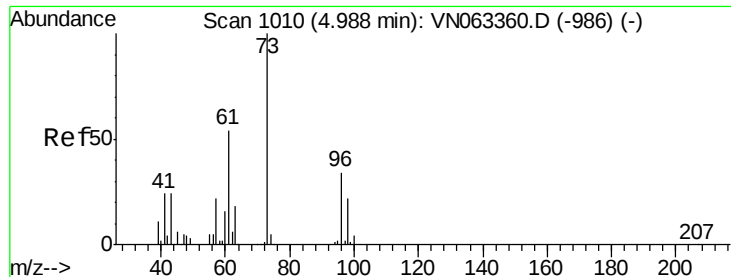
MMDadoda
9/29/2020 10:40:40 AM



#20
Methylene Chloride
Concen: 18.786 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion: 84 Resp: 64791
Ion Ratio Lower Upper
84 100
49 136.3 110.7 166.1
51 45.5 32.9 49.3
86 67.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.079 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

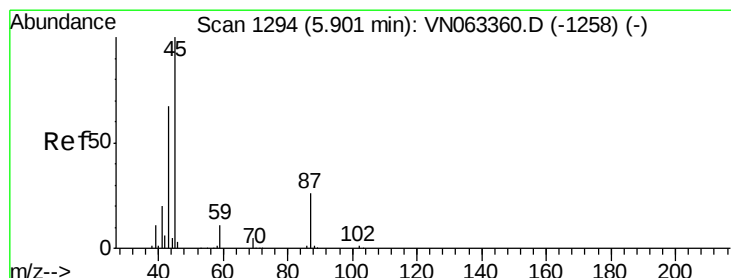
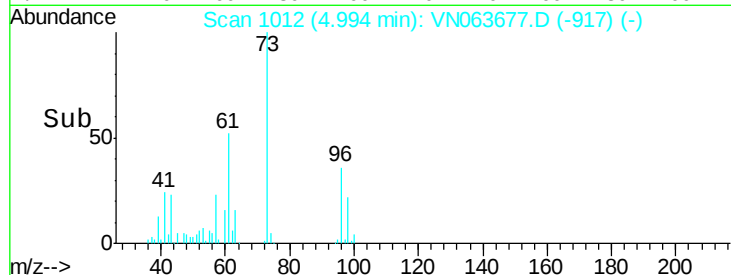
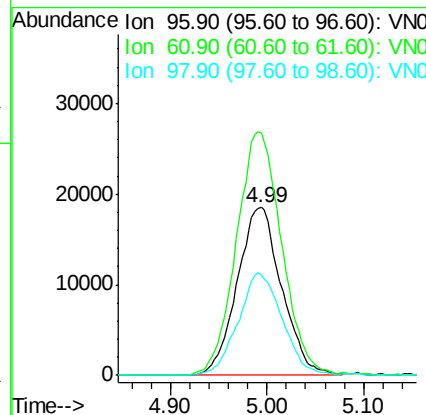
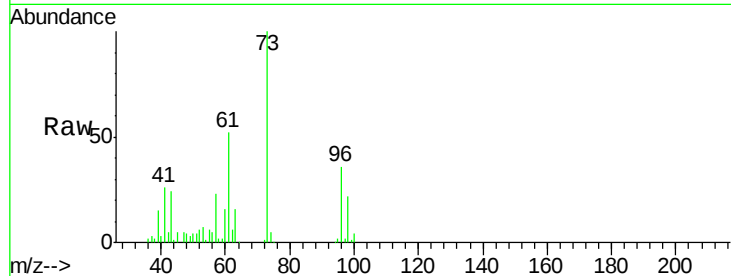
ClientSampleId :

VN0925WBSD01

Tot Ion:	96	Resp:	59352
Ion	Ratio	Lower	Upper
96	100		
61	142.7	126.2	189.4
98	59.7	51.0	76.4

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#22

Diisopropyl ether

Concen: 18.820 ug/l

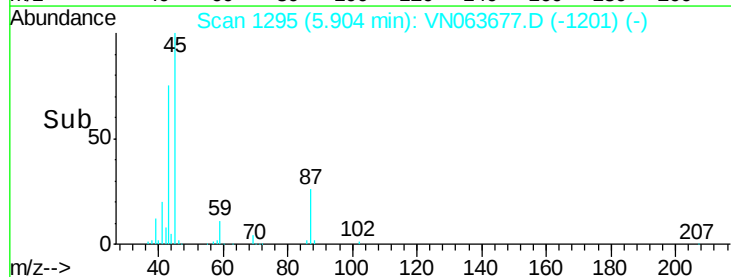
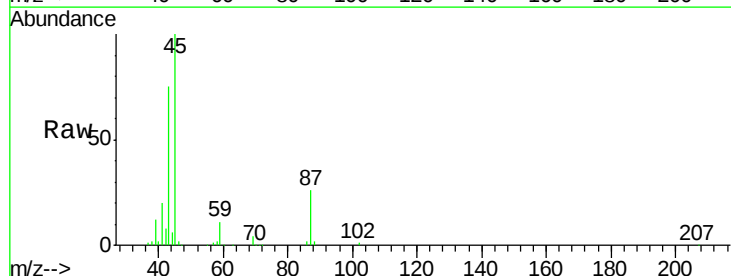
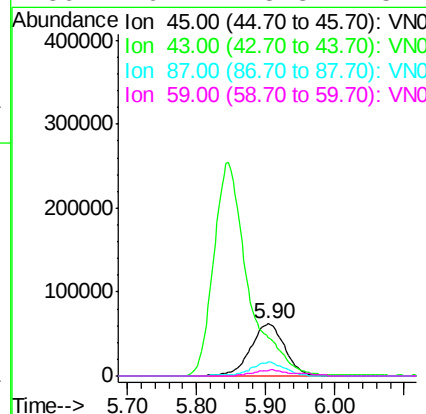
RT: 5.90 min Scan# 1295

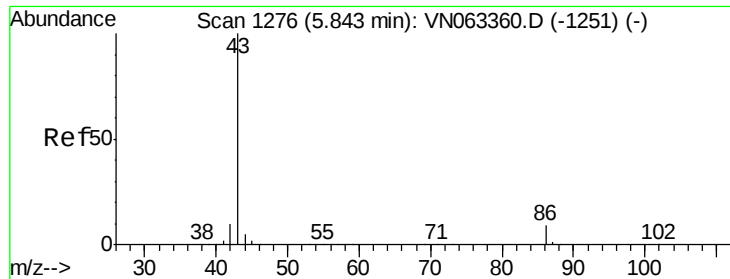
Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	45	Resp:	213176
Ion	Ratio	Lower	Upper
45	100		
43	72.1	53.5	80.3
87	26.4	21.2	31.8
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 93.934 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 43 Resp: 873855

Ion Ratio Lower Upper

43 100

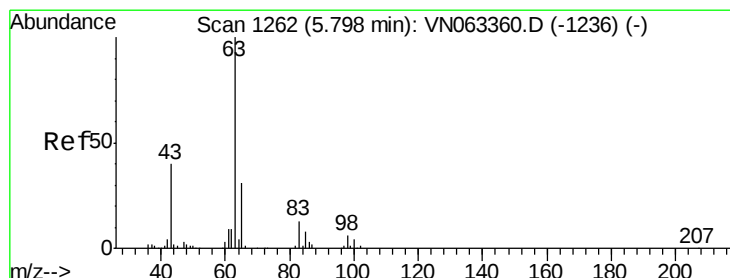
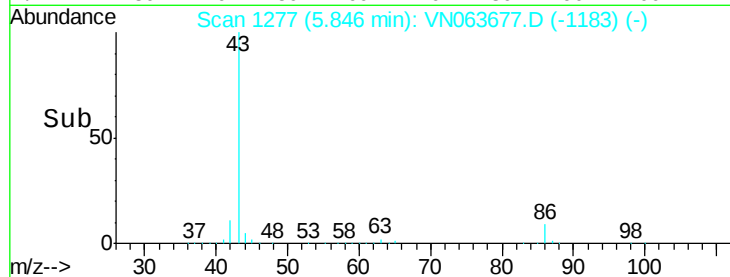
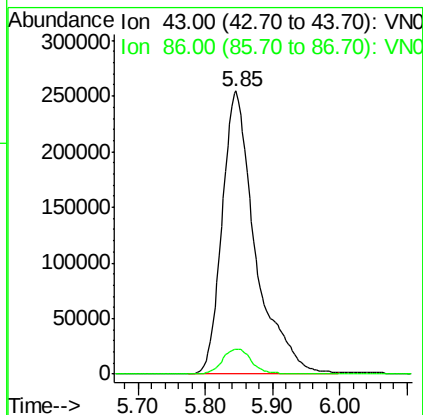
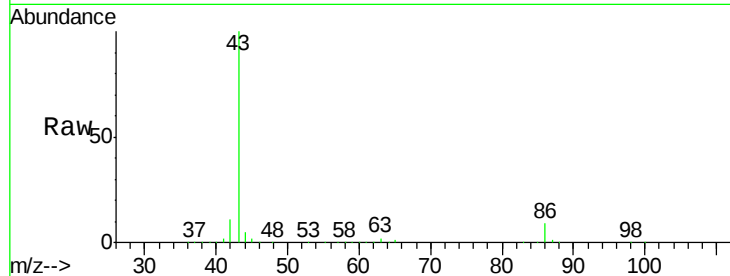
86 8.9 7.1 10.7

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#24

1,1-Dichloroethane

Concen: 19.101 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

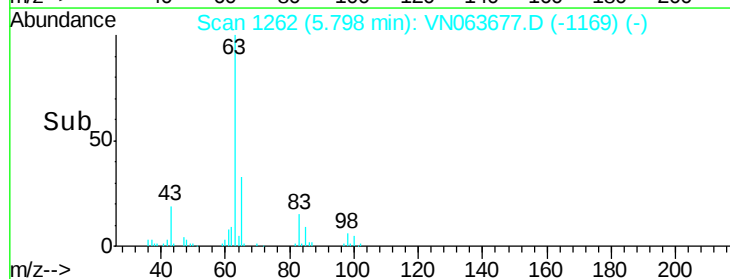
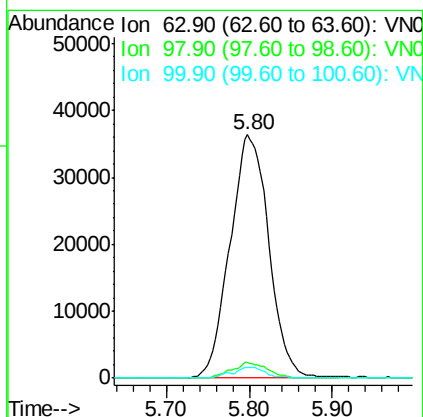
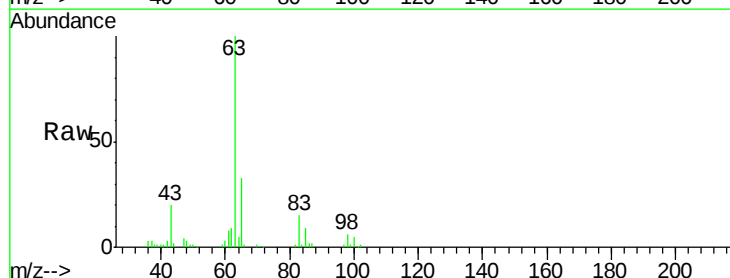
Tgt Ion: 63 Resp: 118124

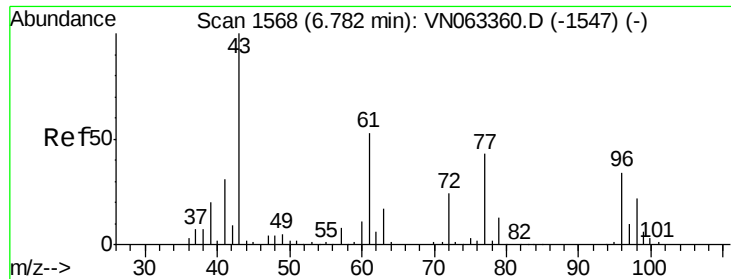
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 96.134 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

VN0925WBSD01

Tot Ion: 43 Resp: 201260

Ion Ratio Lower Upper

43 100

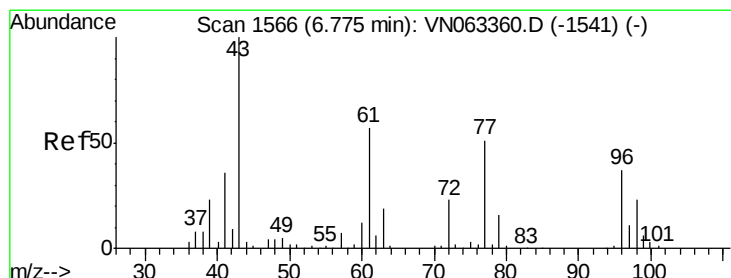
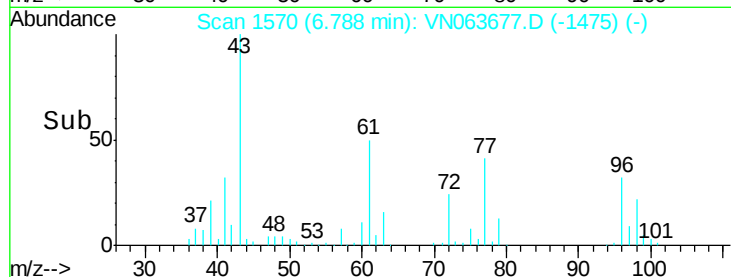
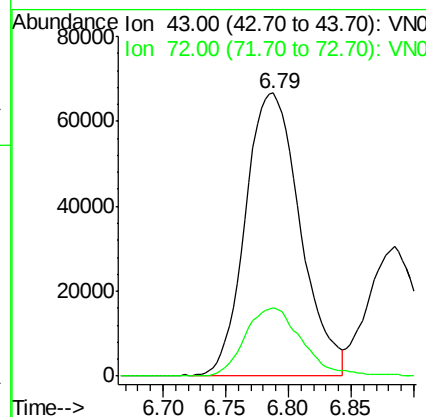
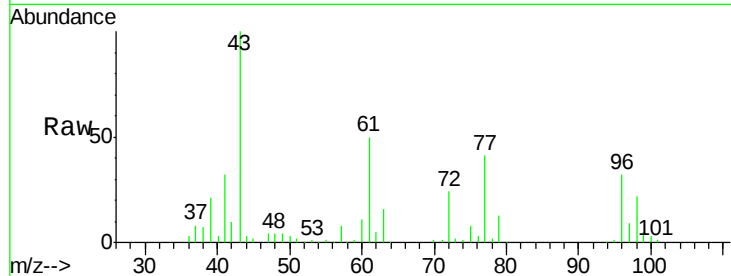
72 24.1 19.2 28.8

Manual Integrations

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MMDadoda

9/29/2020 10:40:40 AM



#26

2,2-Dichloropropane

Concen: 18.560 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063677.D

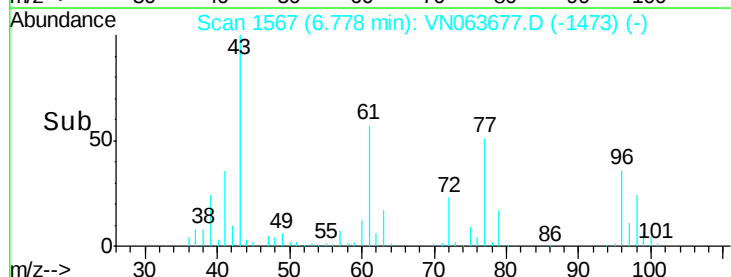
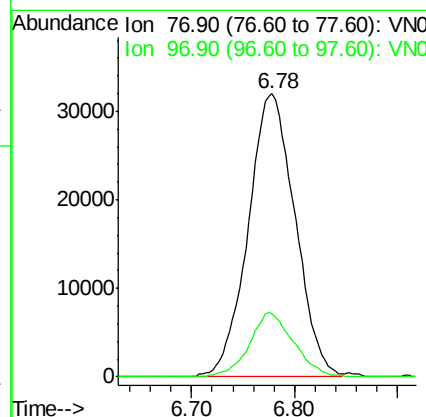
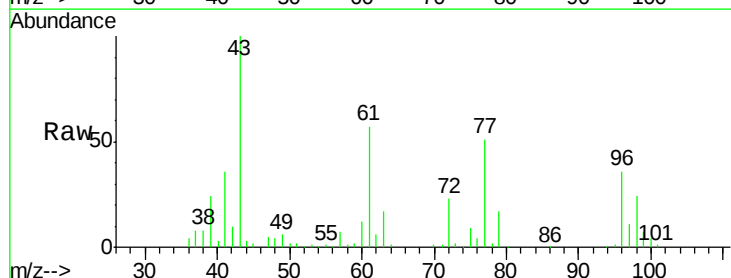
Acq: 25 Sep 2020 14:43

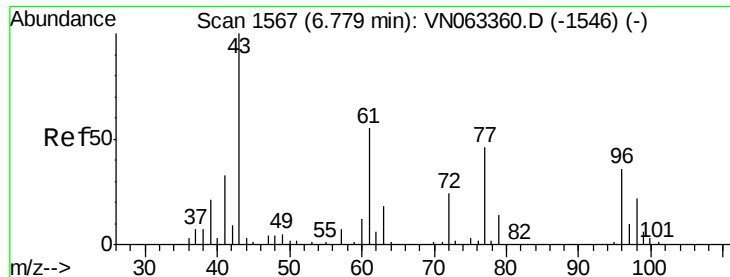
Tgt Ion: 77 Resp: 101058

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.104 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

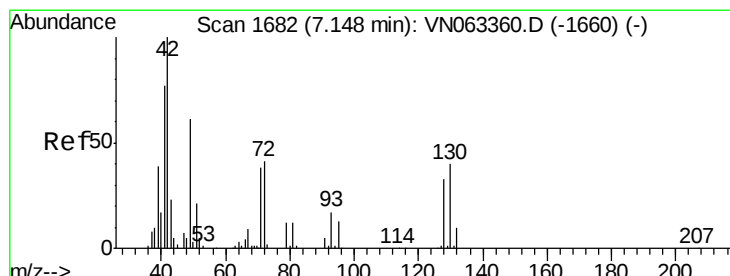
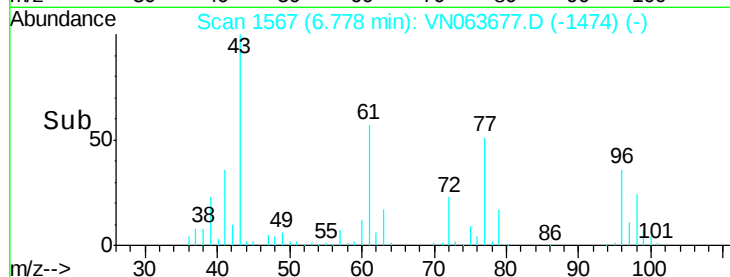
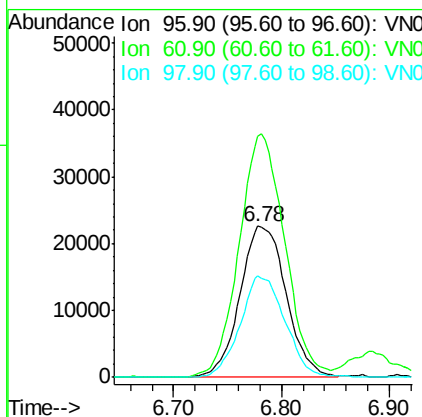
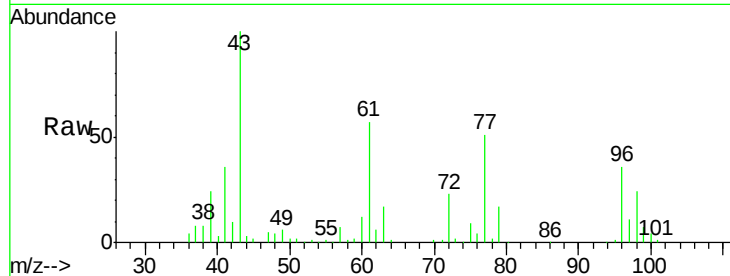
ClientSampleId :

VN0925WBSD01

Tot Ion:	96	Resp:	67267
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	319.6
98	65.1	0.0	127.8

Manual Integrations
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9/29/2020 10:40:40 AM



#28

Bromochloromethane

Concen: 19.546 ug/l

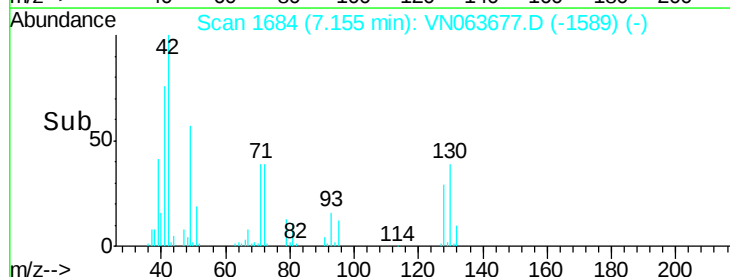
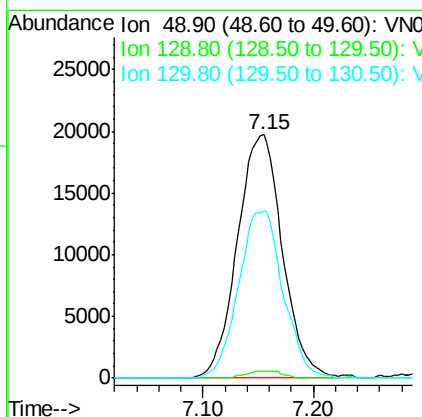
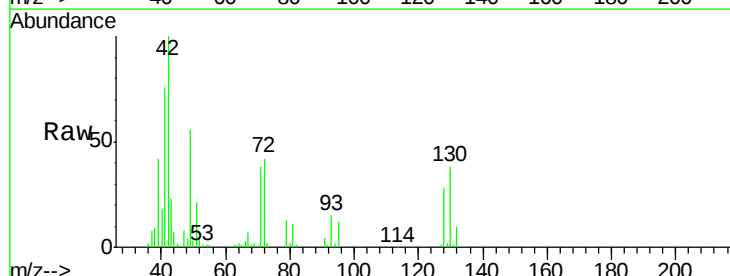
RT: 7.15 min Scan# 1684

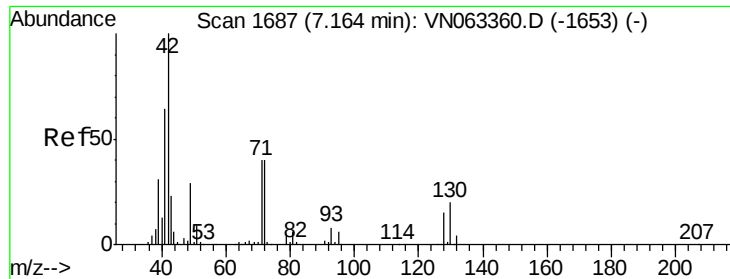
Delta R.T. 0.01 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	49	Resp:	55811
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	67.7	52.2	78.2





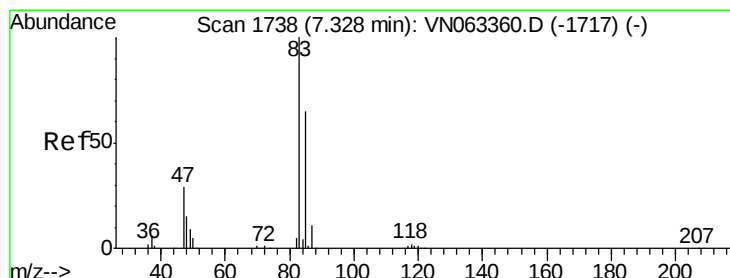
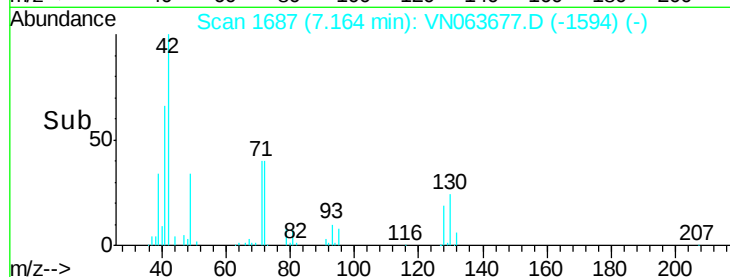
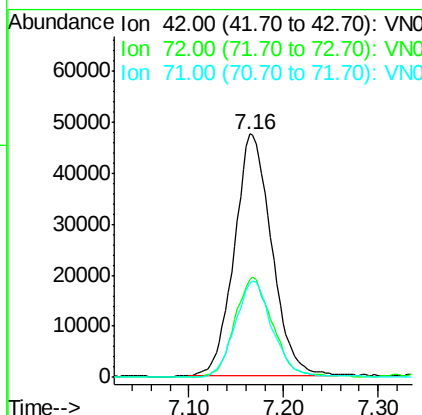
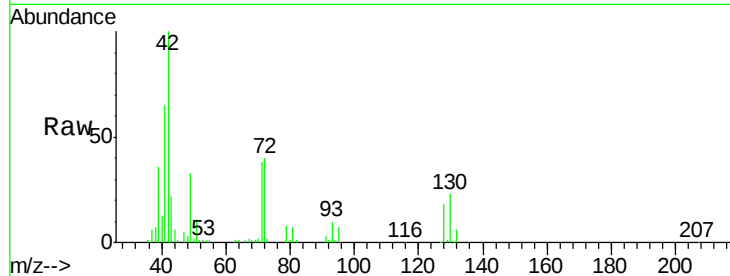
#29
Tetrahydrofuran
Concen: 90.927 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.1	48.1
71	39.8	31.2	46.8

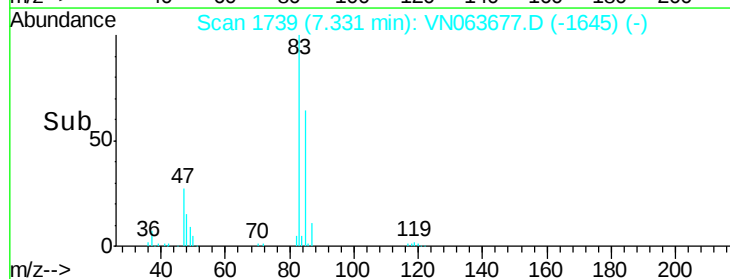
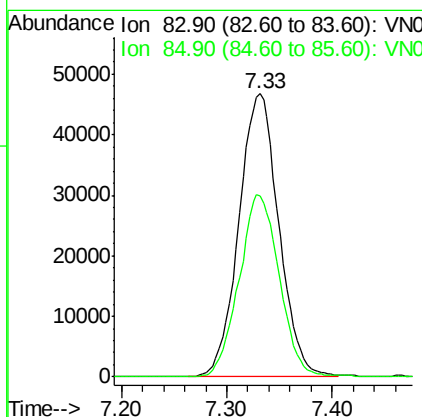
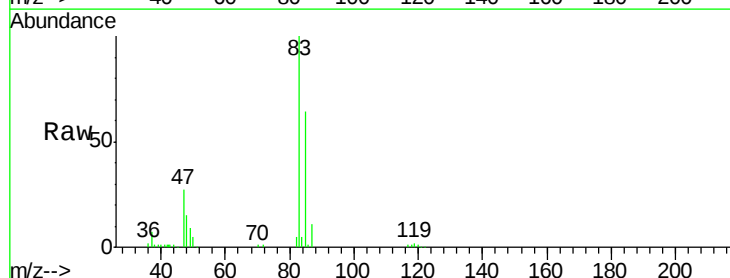
Manual Integrations
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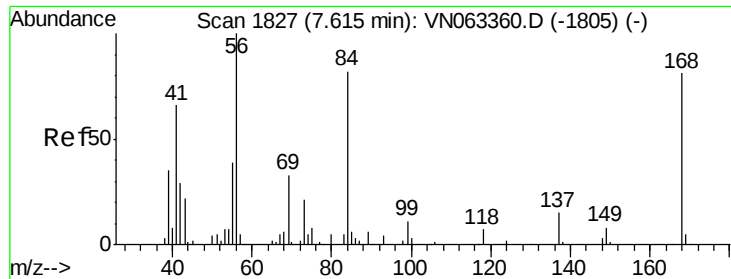
MMDadoda
9/29/2020 10:40:40 AM



#30
Chloroform
Concen: 19.867 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.1	78.1





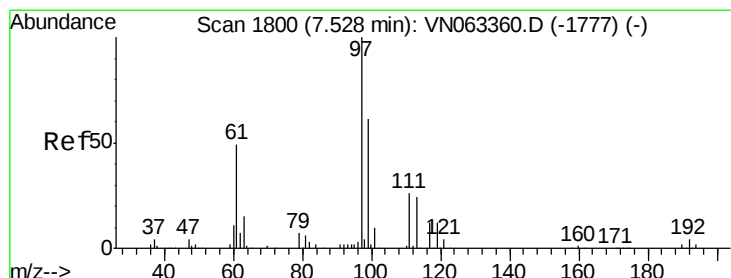
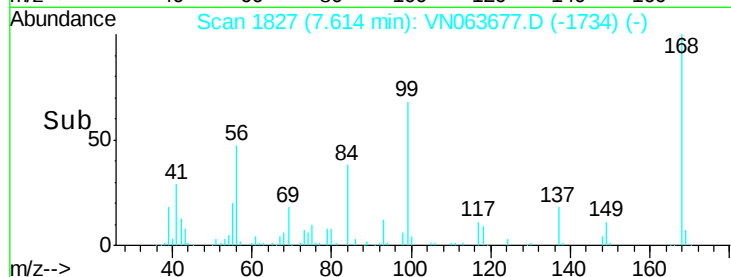
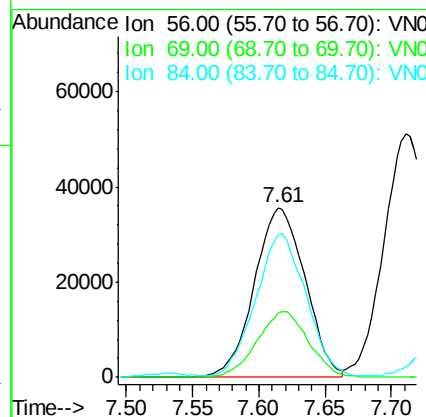
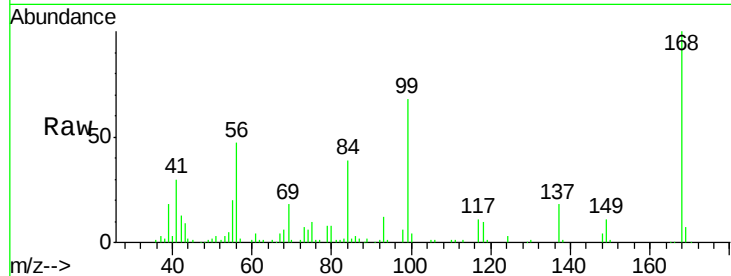
#31
Cyclohexane
Concen: 16.261 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		95120		
69	37.8	26.1	39.1		
84	82.1	65.4	98.2		

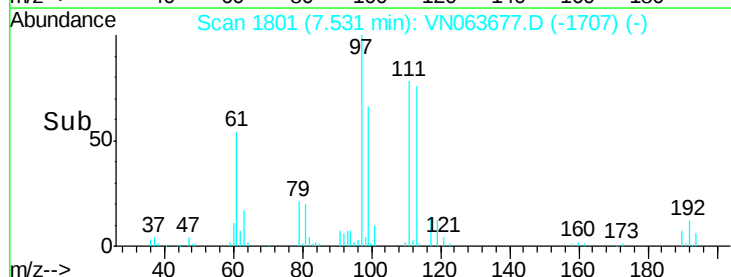
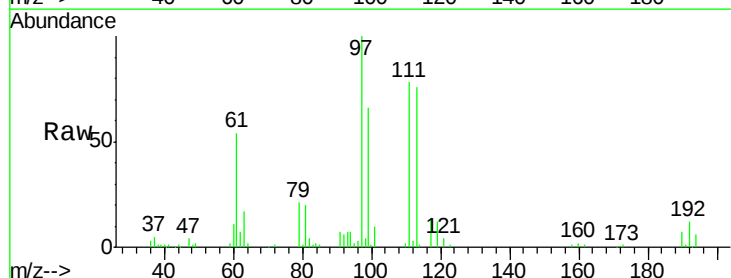
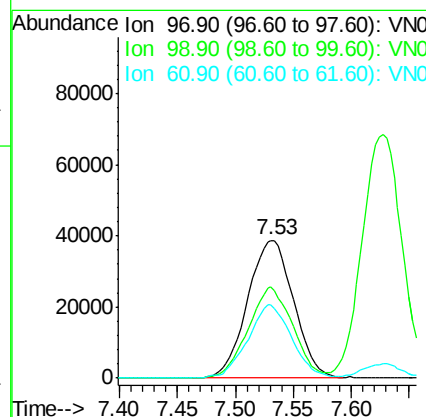
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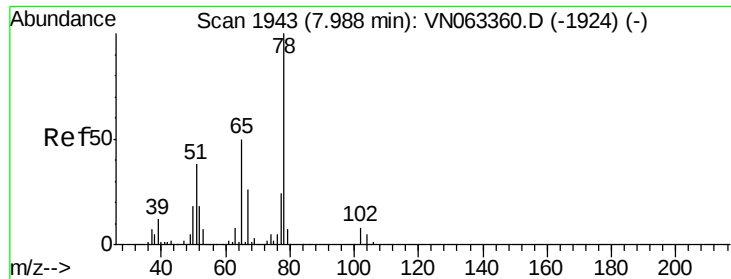
MMDadoda
9/29/2020 10:40:40 AM



#32
1,1,1-Trichloroethane
Concen: 19.386 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		106984		
99	63.8	50.6	76.0		
61	50.6	39.2	58.8		





#33

1,2-Dichloroethane-d4

Concen: 51.554 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleID :

VN0925WBSD01

Tot Ion: 65 Resp: 218361

Ion Ratio Lower Upper

65 100

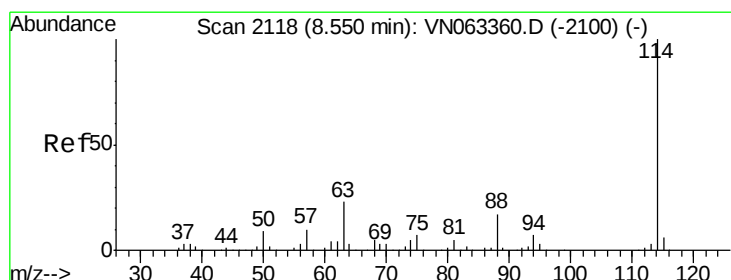
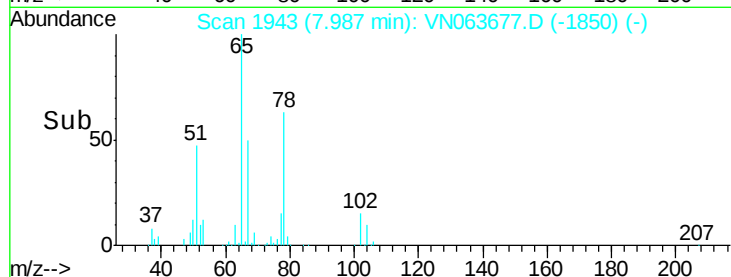
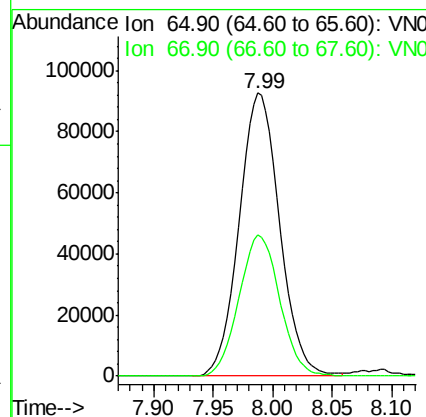
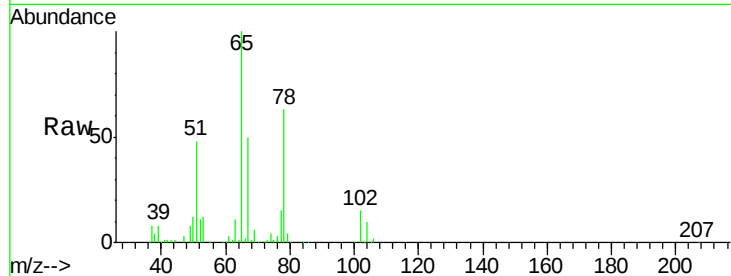
67 50.0 0.0 104.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

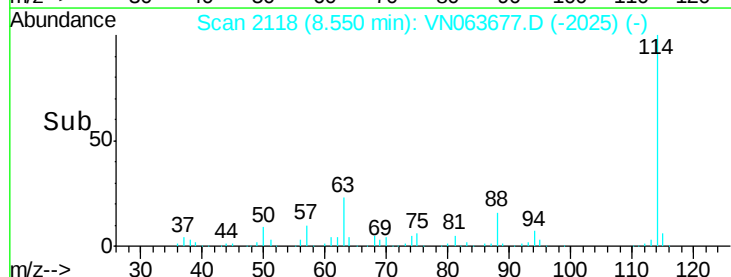
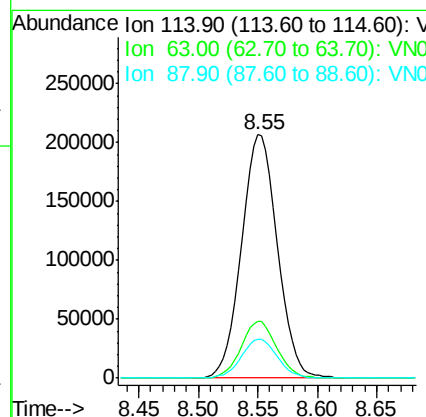
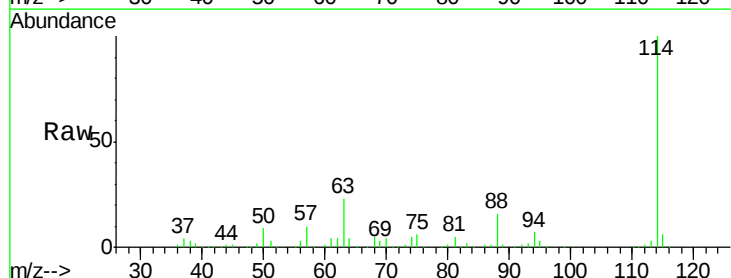
Tgt Ion: 114 Resp: 431541

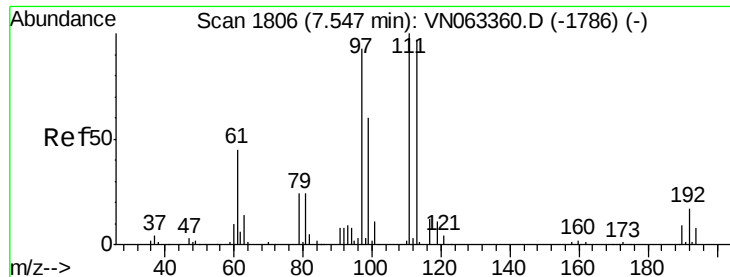
Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.4

88 16.1 0.0 33.2





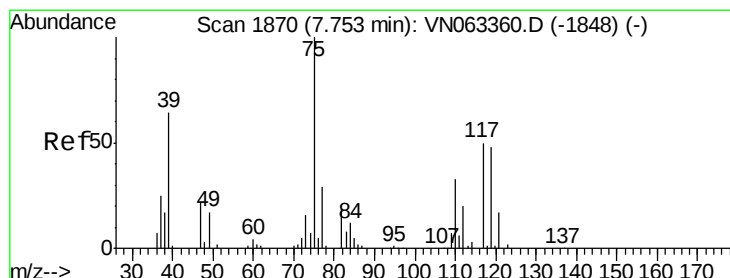
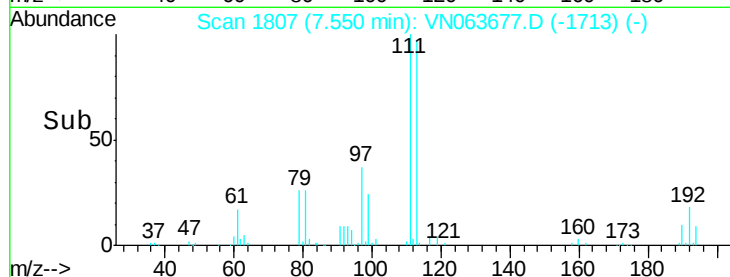
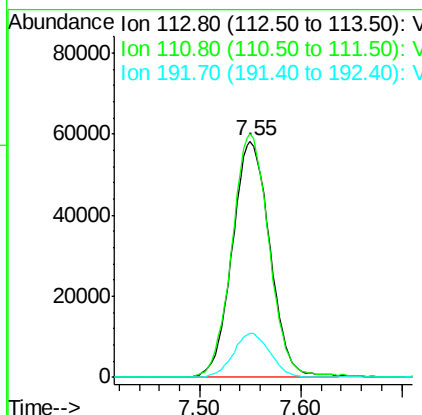
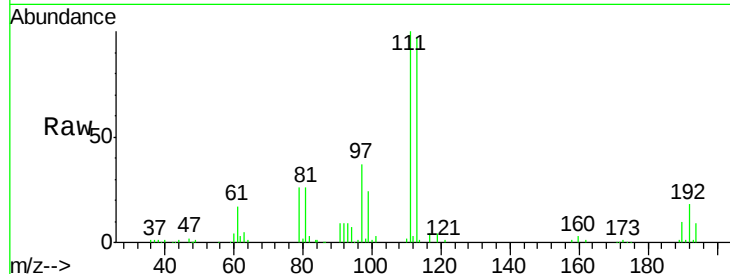
#35
 Dibromofluoromethane
 Concen: 50.494 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	82.9	124.3	
192	18.1	13.9	20.9	

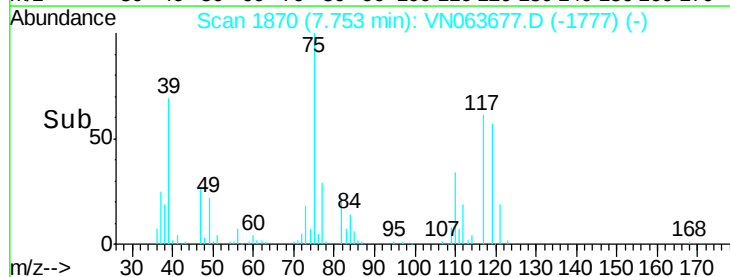
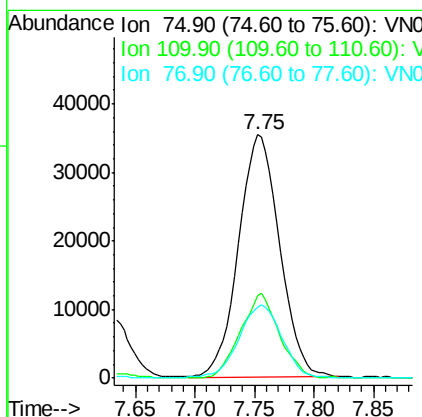
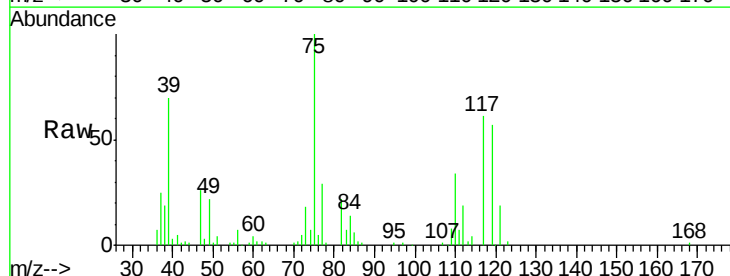
Manual Integrations
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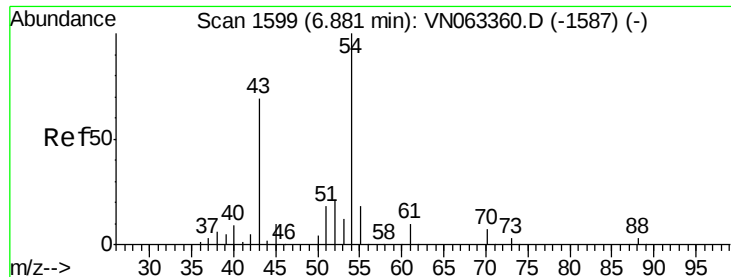
MMDadoda
 9/29/2020 10:40:40 AM



#36
 1,1-Dichloropropene
 Concen: 18.307 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.0	16.5	49.5	
77	31.8	24.6	36.8	





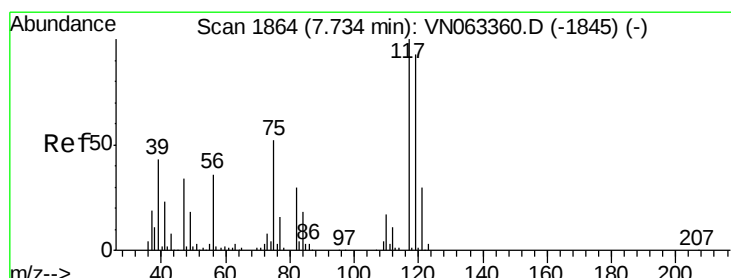
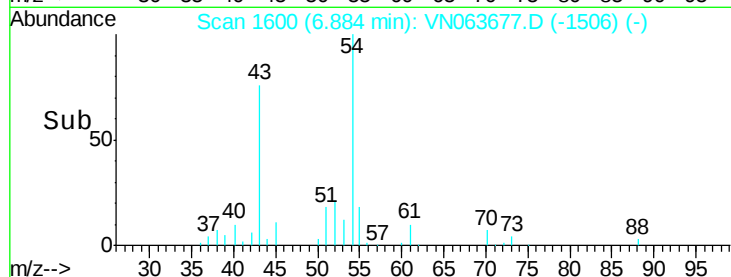
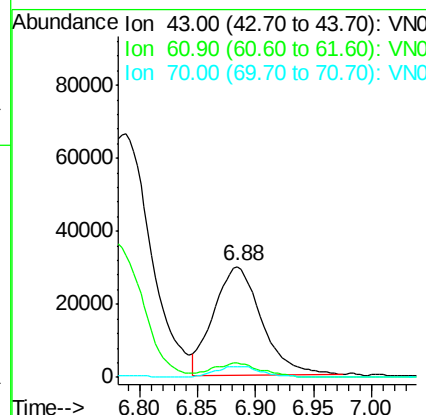
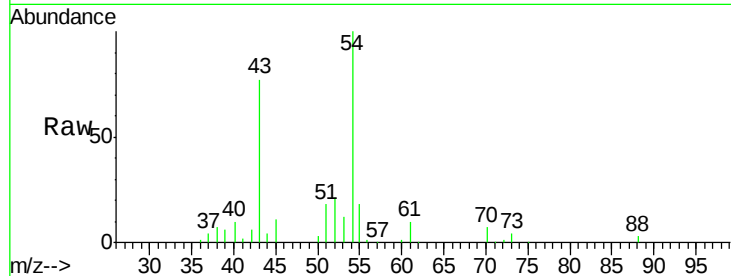
#37
Ethyl Acetate
Concen: 18.945 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	10.0	7.2	10.8

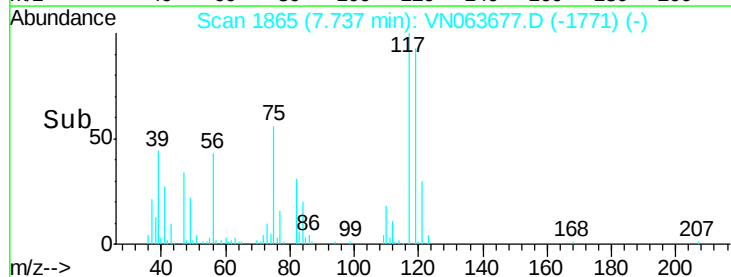
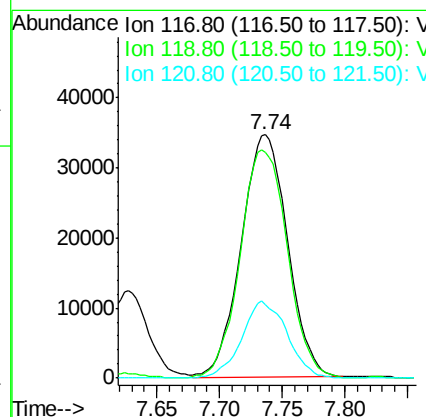
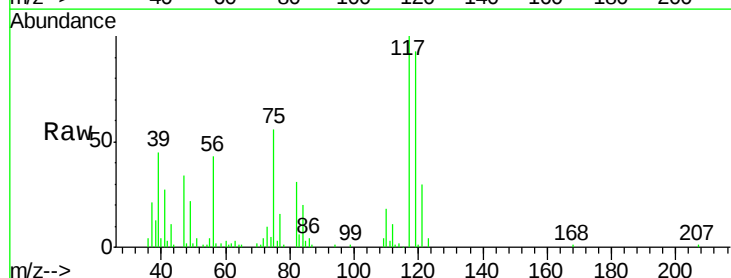
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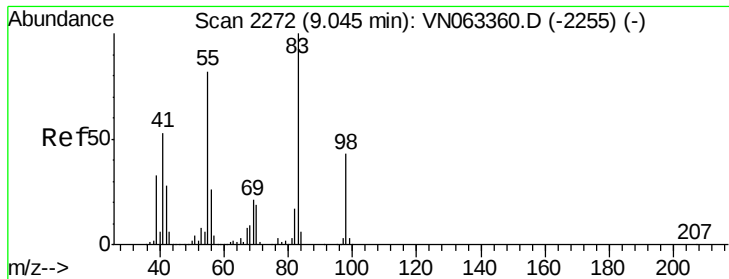
MMDadoda
9/29/2020 10:40:40 AM



#38
Carbon Tetrachloride
Concen: 18.939 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.5	111.7
121	30.4	24.1	36.1





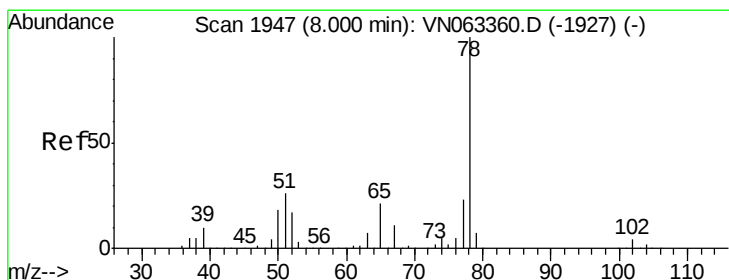
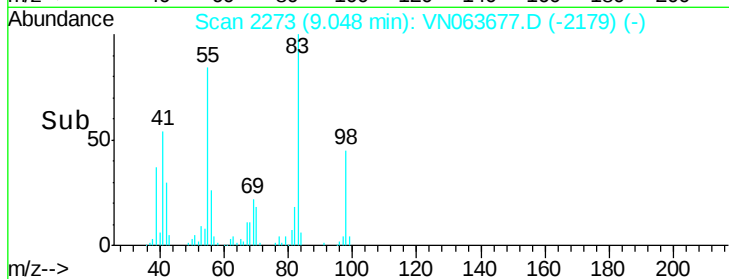
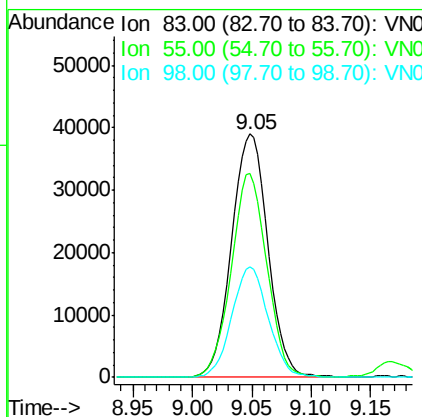
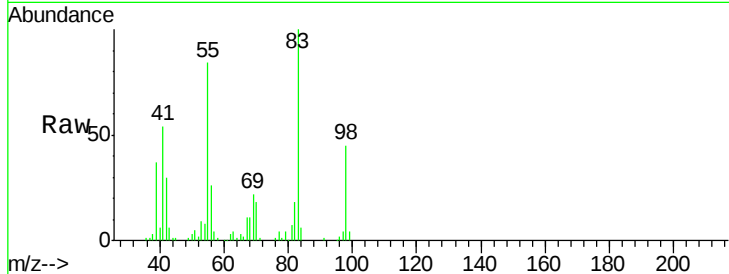
#39
Methvlcvclohexane
Concen: 16.573 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	65.5	98.3
98	45.2	34.2	51.4

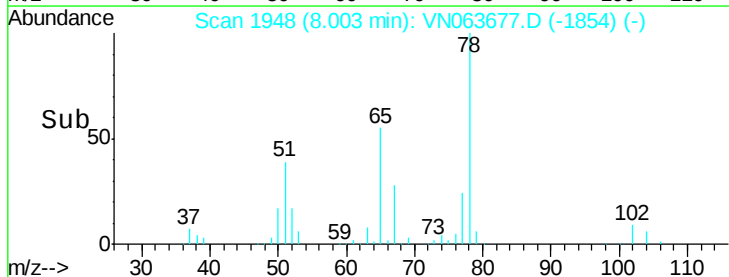
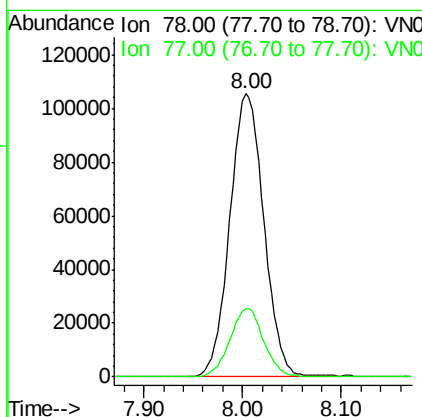
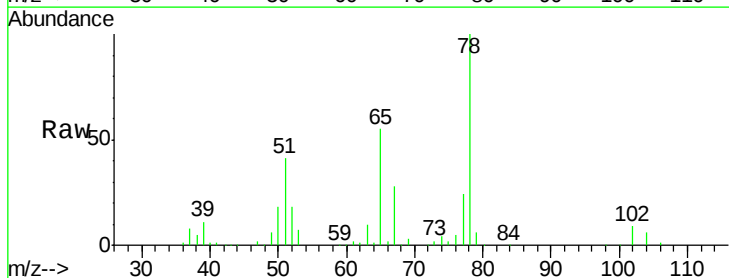
Manual Integrations
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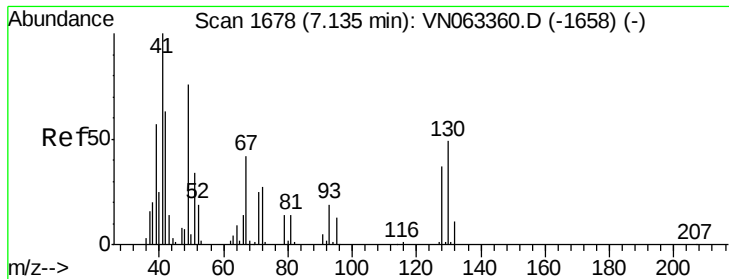
MMDadoda
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#40
Benzene
Concen: 19.254 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5





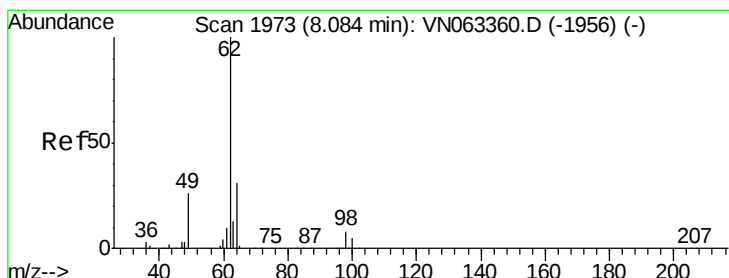
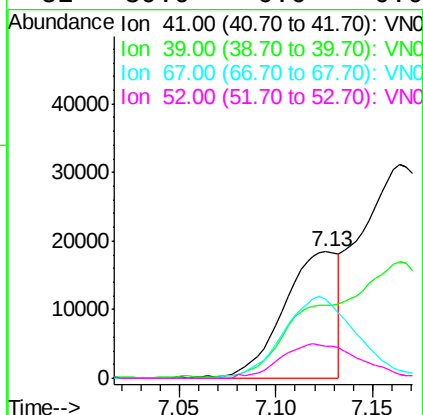
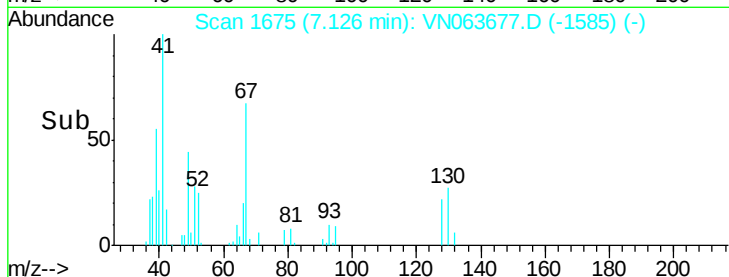
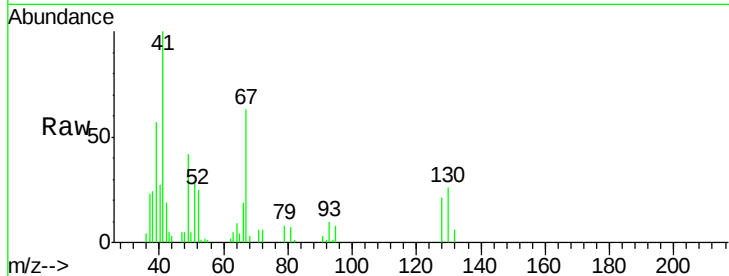
#41
Methacrylonitrile
Concen: 17.836 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	0.0	0.0	0.0	
67	88.5	0.0	0.0	0.0#
52	39.9	0.0	0.0	0.0#

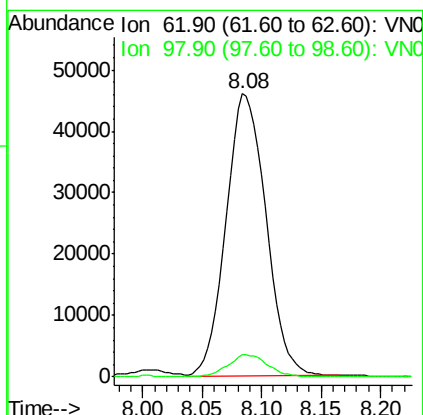
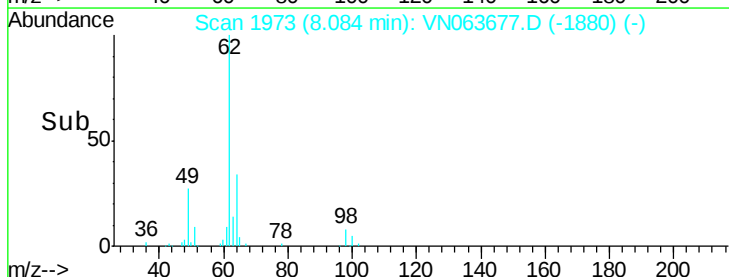
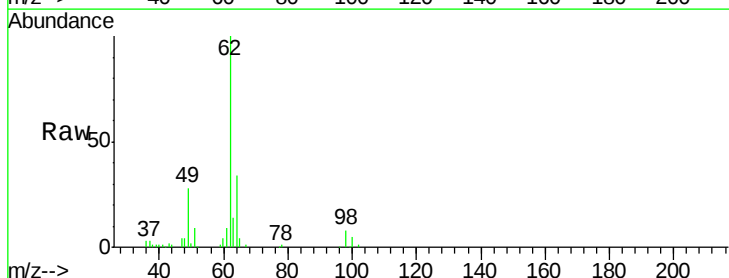
Manual Integrations
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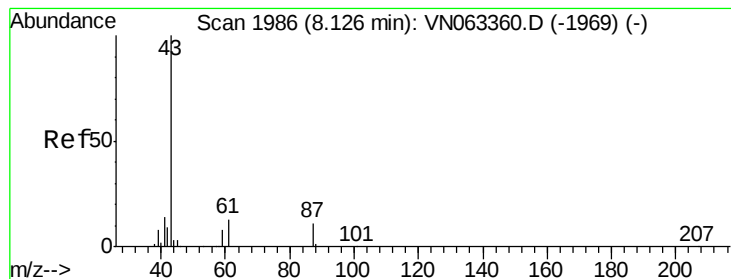
MMDadoda
9/29/2020 10:40:40 AM



#42
1,2-Dichloroethane
Concen: 20.267 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.7	0.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.264 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

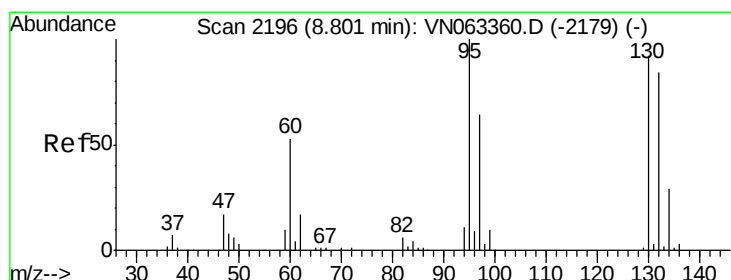
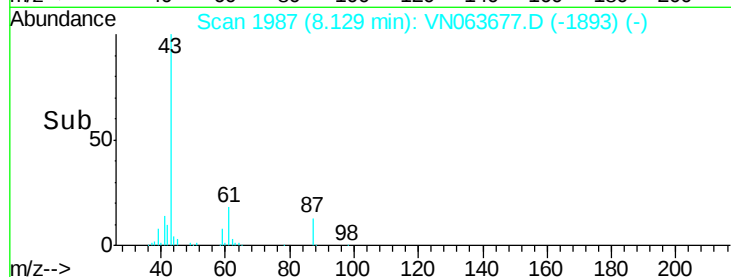
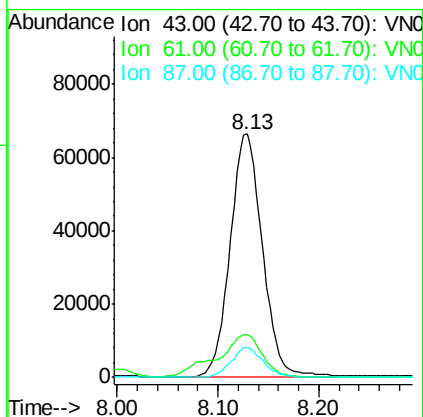
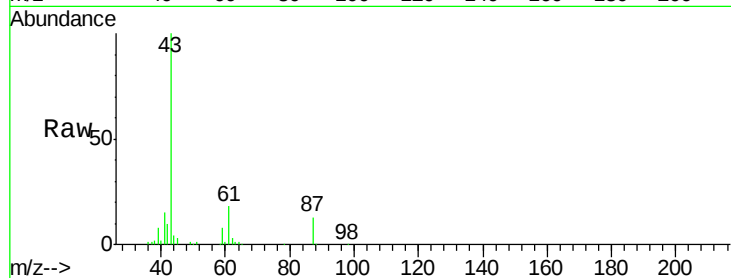
ClientSampleId :

VN0925WBSD01

Tot Ion:	43	Resp:	147362
Ion	Ratio	Lower	Upper
43	100		
61	25.0	14.2	21.2#
87	12.2	9.0	13.6

Manual Integrations
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9/29/2020 10:40:40 AM



#44

Trichloroethene

Concen: 19.845 ug/l

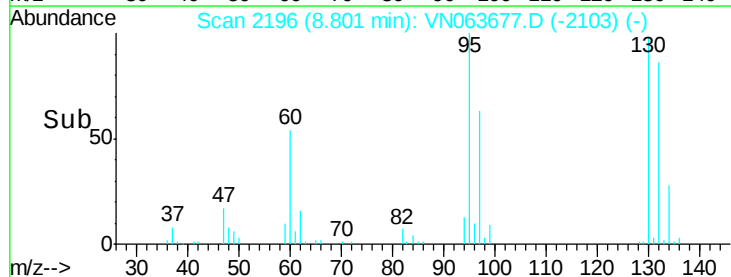
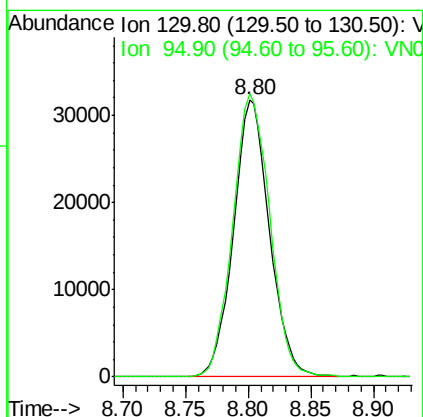
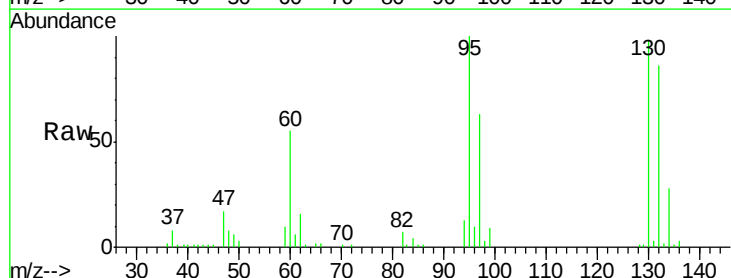
RT: 8.80 min Scan# 2196

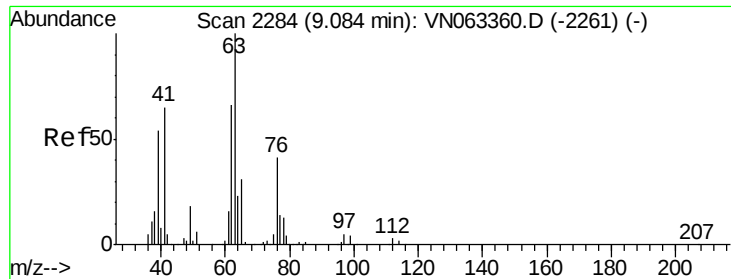
Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	130	Resp:	63170
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	217.4





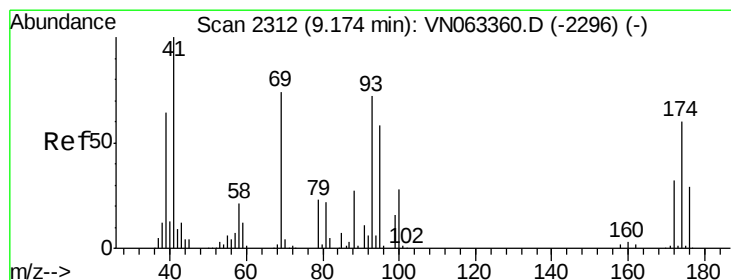
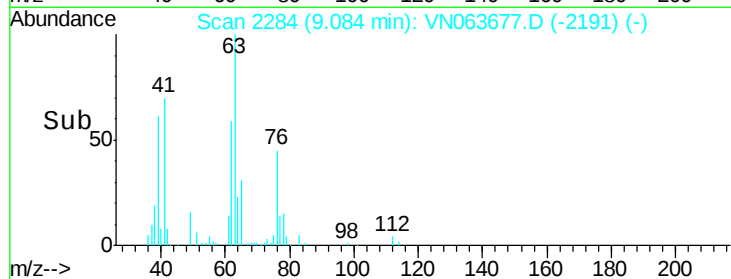
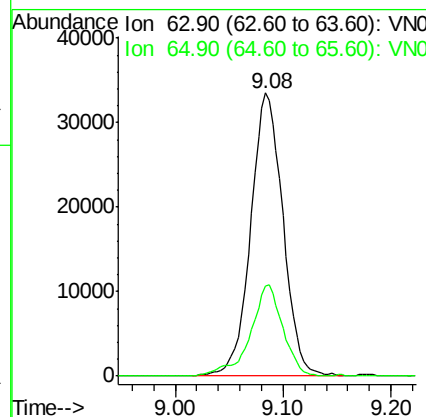
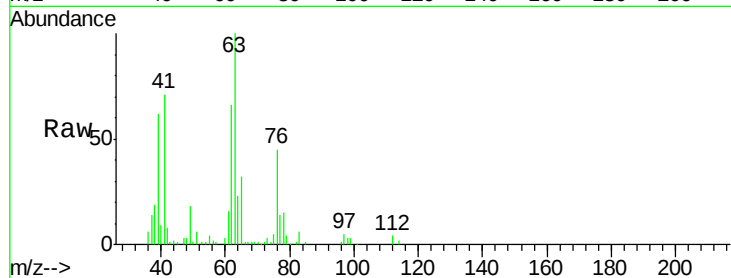
#45
 1,2-Dichloropropane
 Concen: 19.455 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.0	37.6

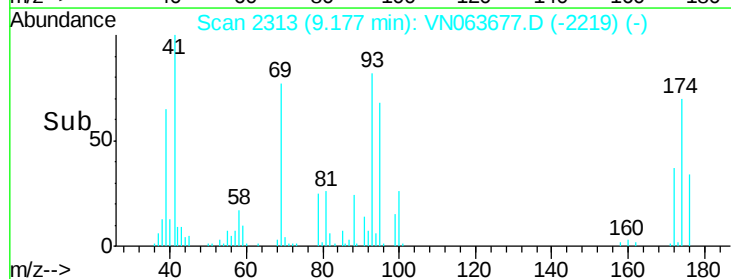
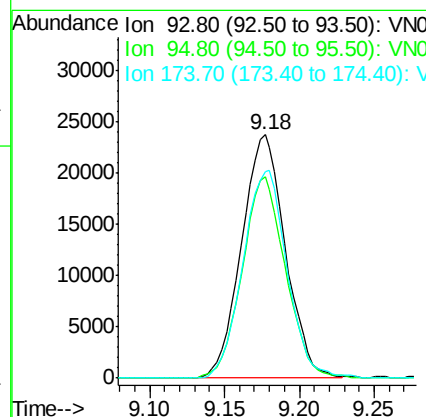
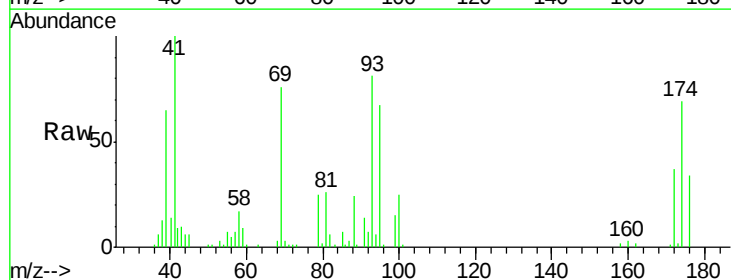
Manual Integrations
 APPROVED

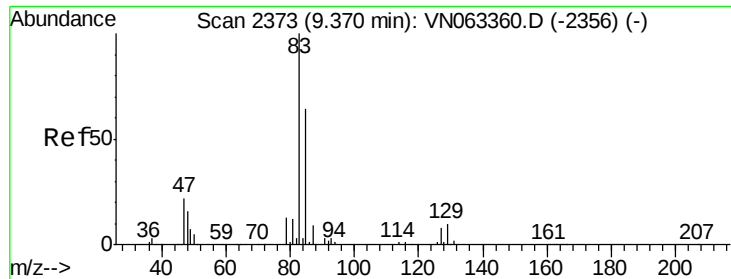
MMDadoda
 9/29/2020 10:40:40 AM



#46
 Dibromomethane
 Concen: 20.533 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.6	98.4
174	86.1	68.1	102.1





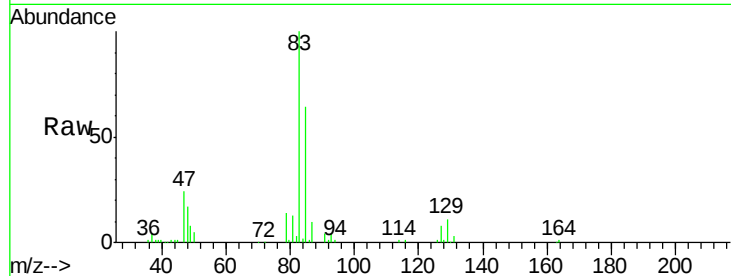
#47
Bromodichloromethane
Concen: 19.672 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

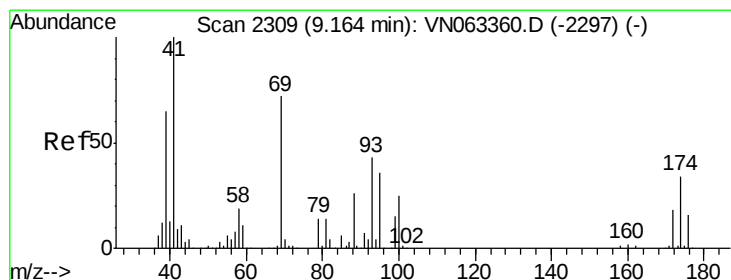
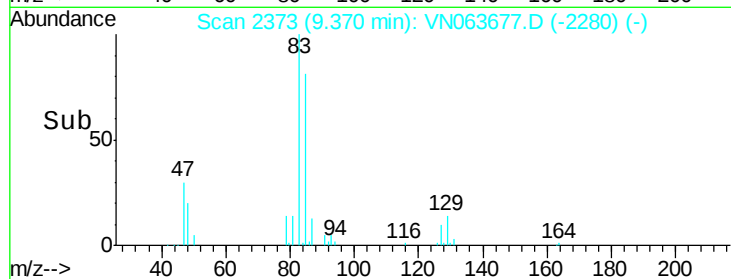
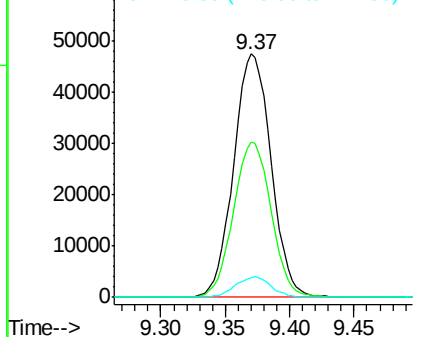
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	8.2	6.3	9.5

Manual Integrations
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MMDadoda
9/29/2020 10:40:40 AM

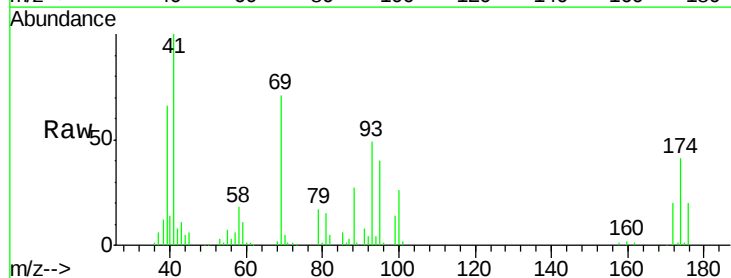


Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-2356) (-)

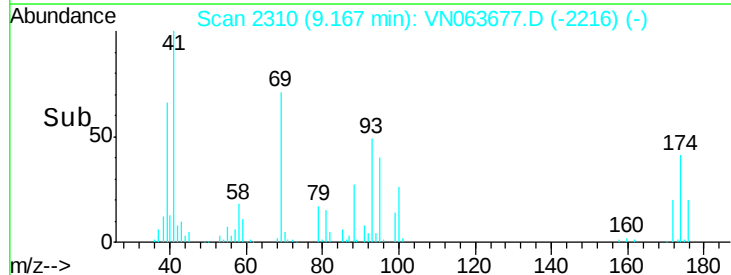
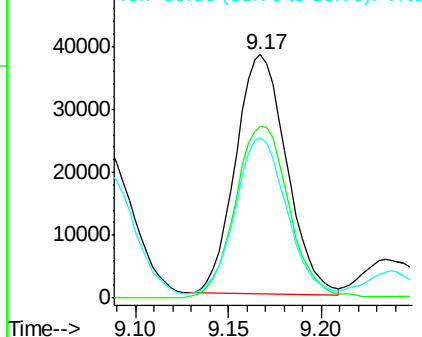


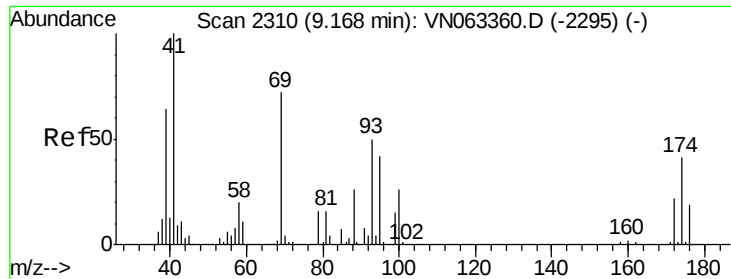
#48
Methyl methacrylate
Concen: 18.367 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.3	59.3	88.9
39	67.9	52.9	79.3



Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-2297) (-)





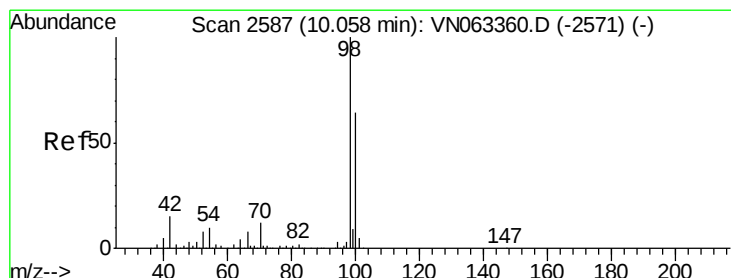
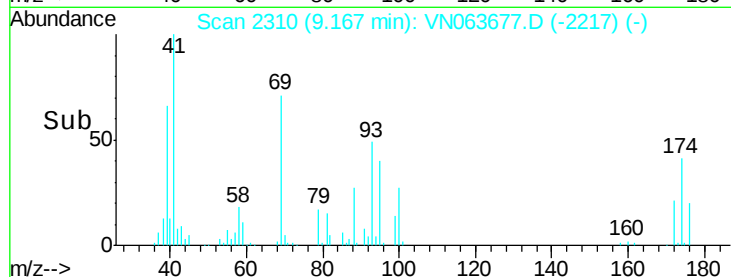
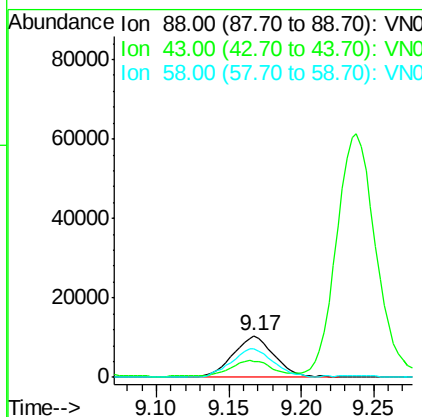
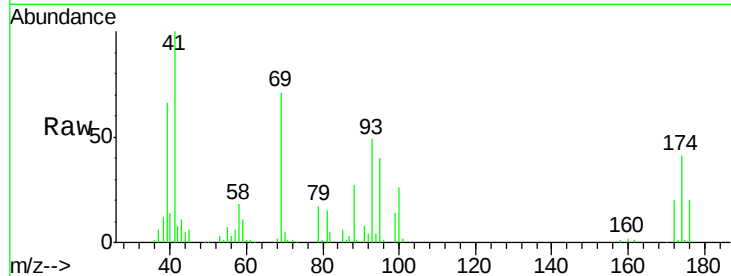
#49
 1,4-Dioxane
 Concen: 364.062 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	32.6	49.0
58	69.9	60.0	90.0

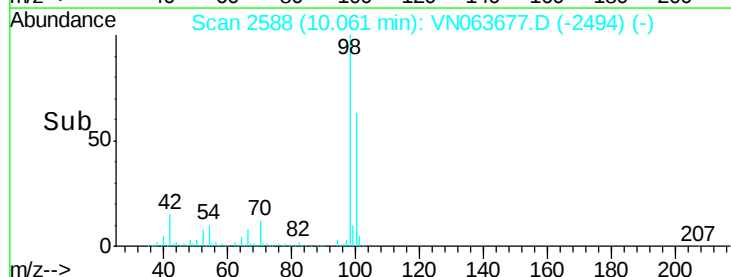
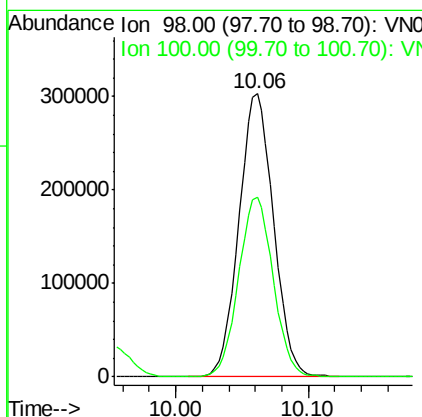
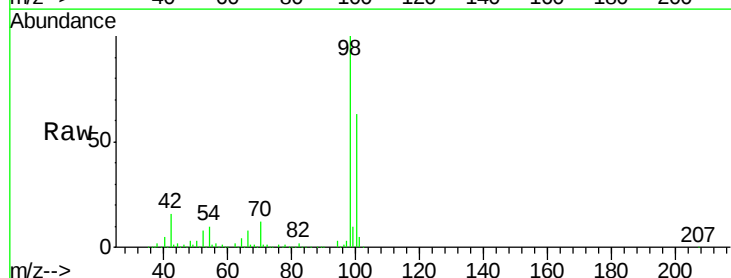
Manual Integrations
 APPROVED

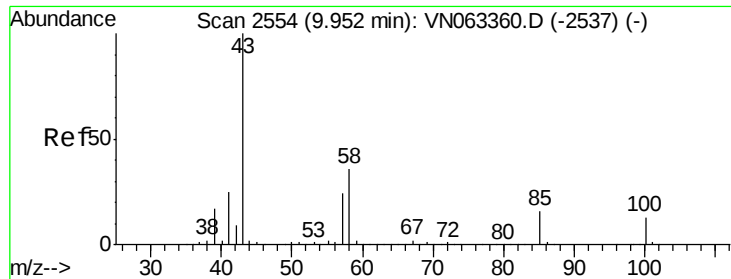
MMDadoda
 9/29/2020 10:40:40 AM



#50
 Toluene-d8
 Concen: 48.945 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 99.178 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 43 Resp: 447976

Ion Ratio Lower Upper

43 100

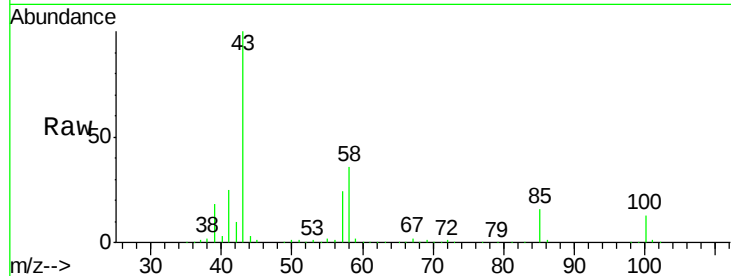
58 35.3 29.0 43.6

Manual Integrations

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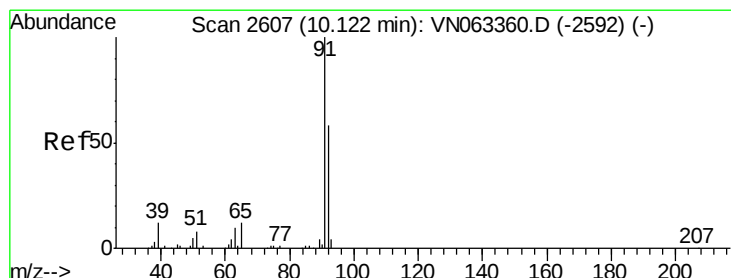
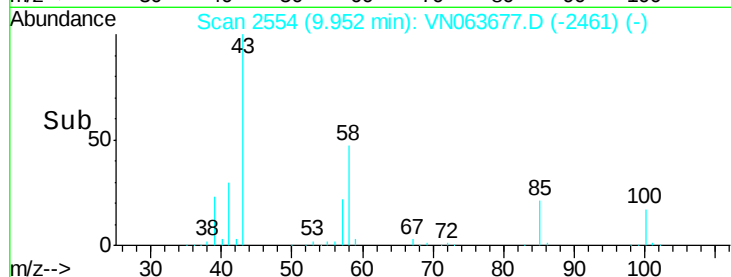
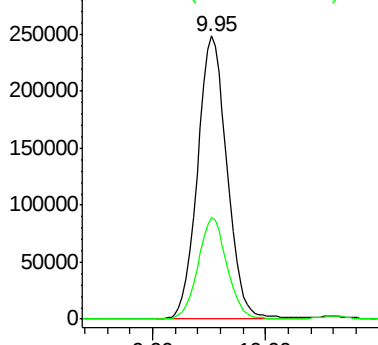
MMDadoda

9/29/2020 10:40:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.666 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063677.D

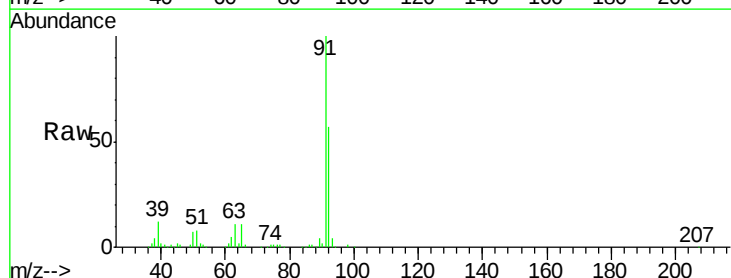
Acq: 25 Sep 2020 14:43

Tgt Ion: 92 Resp: 155175

Ion Ratio Lower Upper

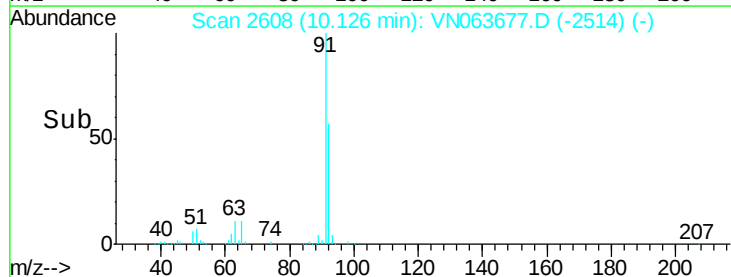
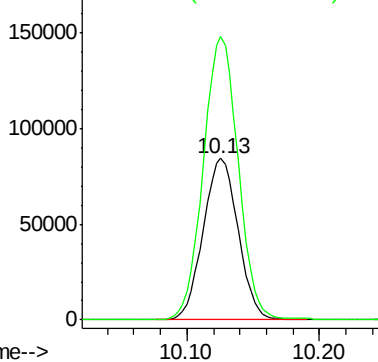
92 100

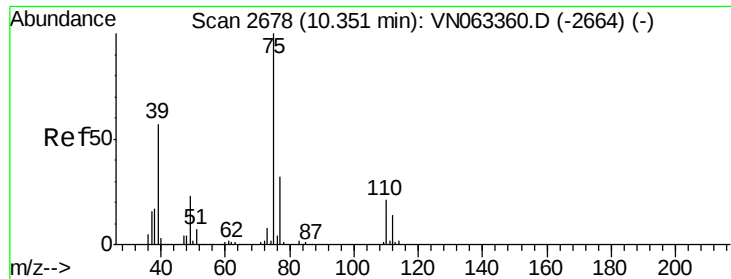
91 174.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





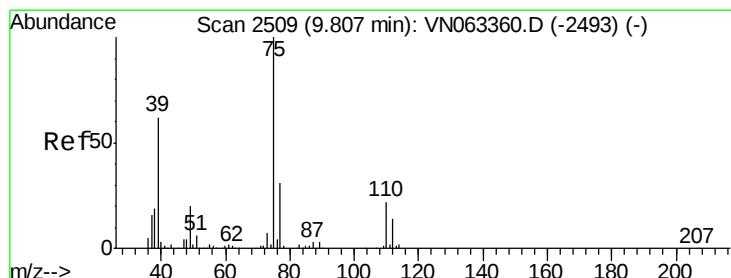
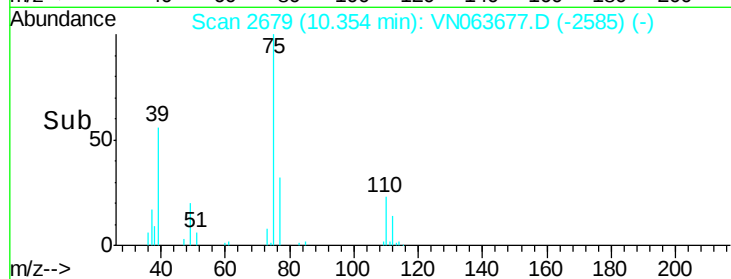
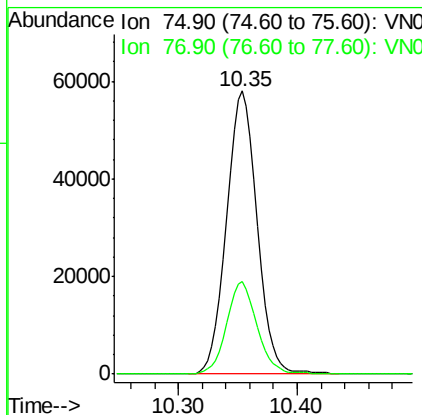
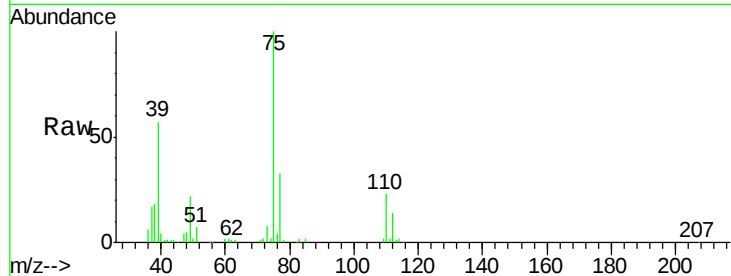
#53
t-1,3-Dichloropropene
Concen: 18.931 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	75	Resp	103150
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.4	38.2

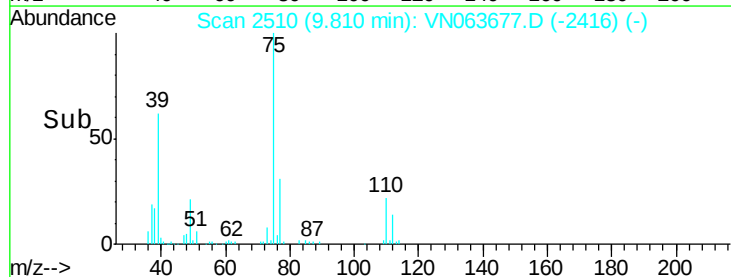
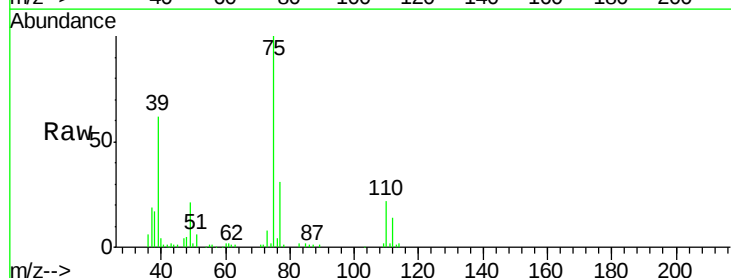
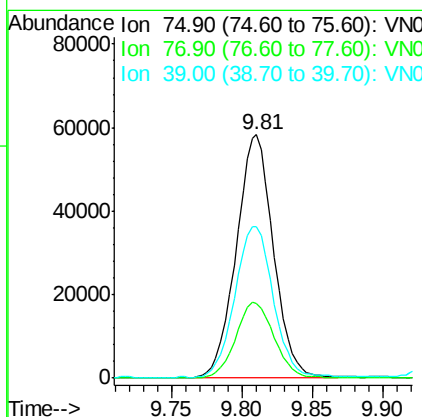
Manual Integrations
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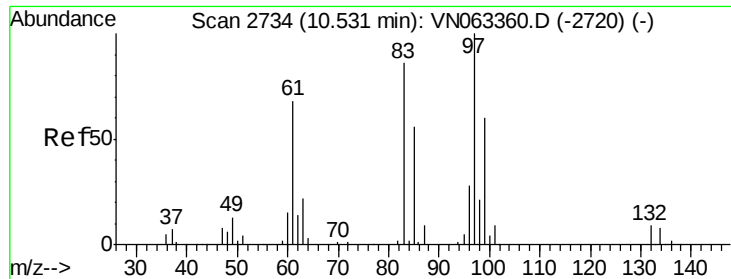
MMDadoda
9/29/2020 10:40:40 AM



#54
cis-1,3-Dichloropropene
Concen: 18.719 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	75	Resp	107582
Ion Ratio	Lower	Upper	
75	100		
77	30.7	24.6	37.0
39	62.2	49.8	74.8





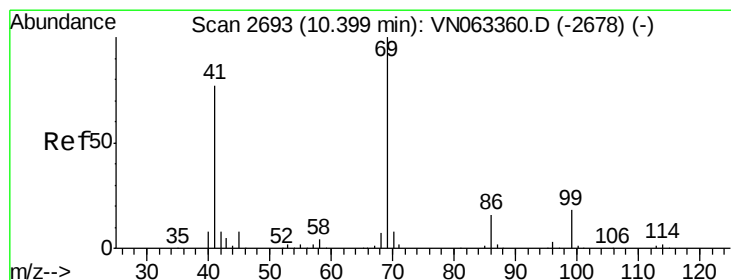
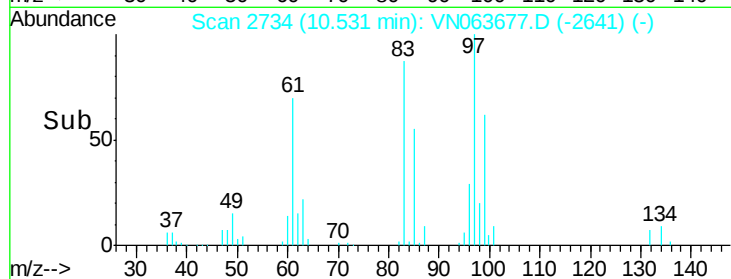
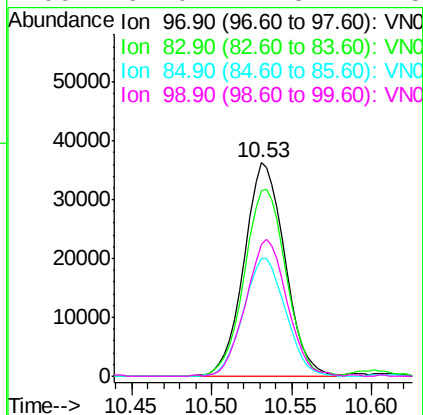
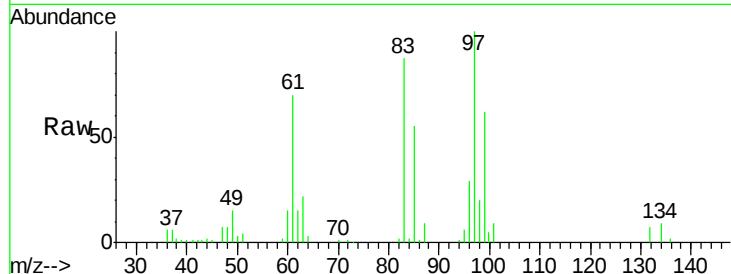
#55
 1,1,2-Trichloroethane
 Concen: 20.183 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	97	Resp	63256
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.9	103.3
85	55.3	44.8	67.2
99	62.0	47.8	71.8

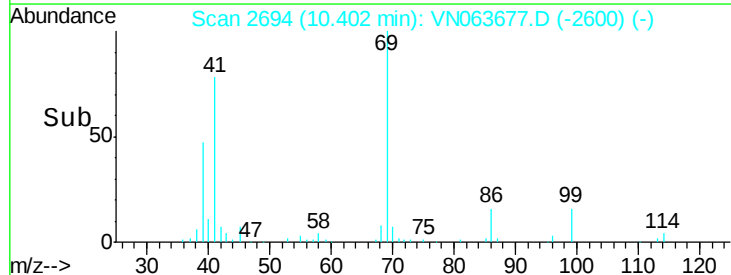
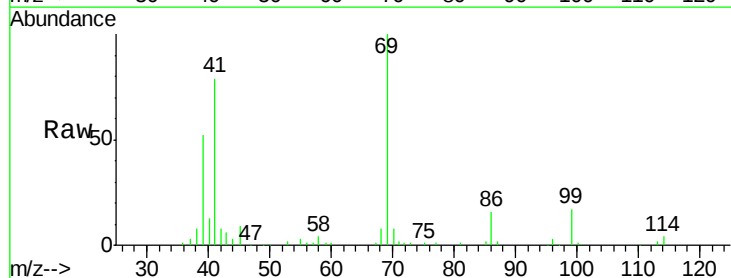
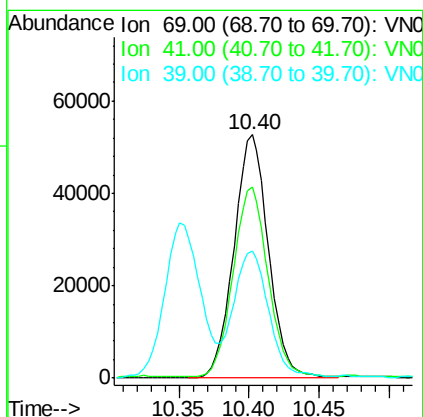
Manual Integrations
 APPROVED

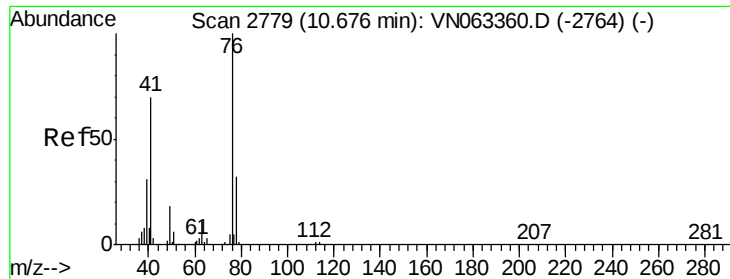
MMDadoda
 9/29/2020 10:40:40 AM



#56
 Ethyl methacrylate
 Concen: 18.490 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	69	Resp	90469
Ion	Ratio	Lower	Upper
69	100		
41	77.9	61.0	91.6
39	51.2	39.2	58.8





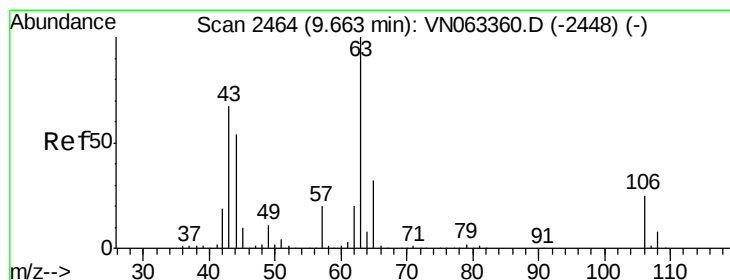
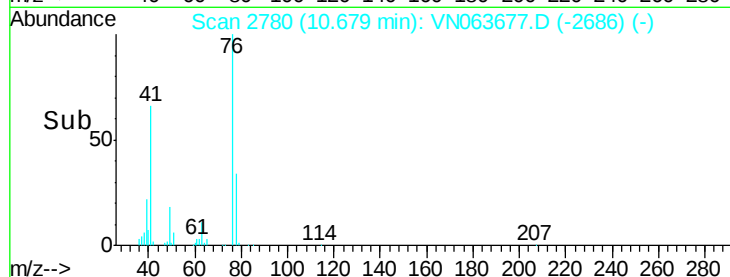
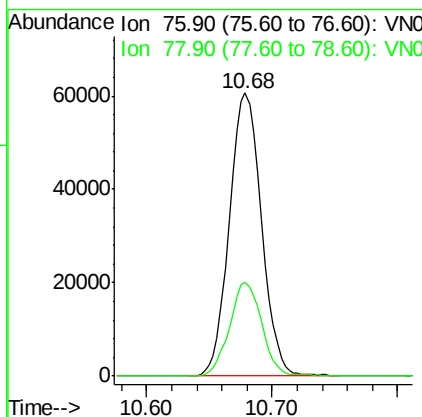
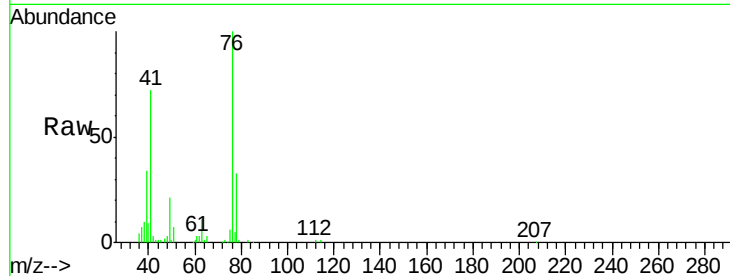
#57
 1,3-Dichloropropane
 Concen: 19.122 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.8	38.8

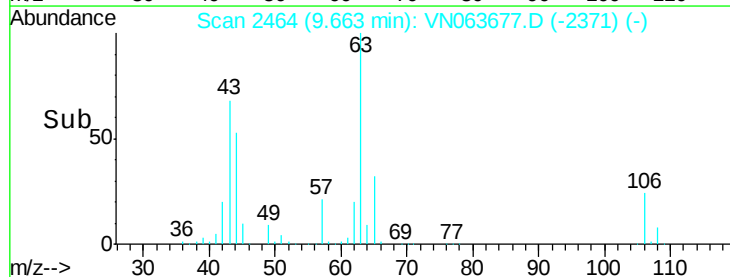
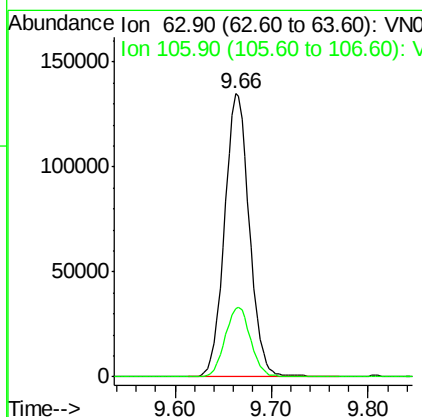
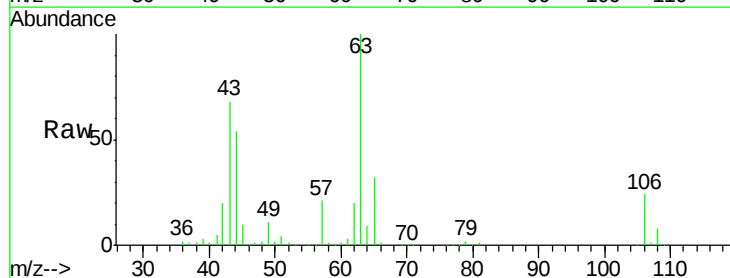
Manual Integrations
 APPROVED

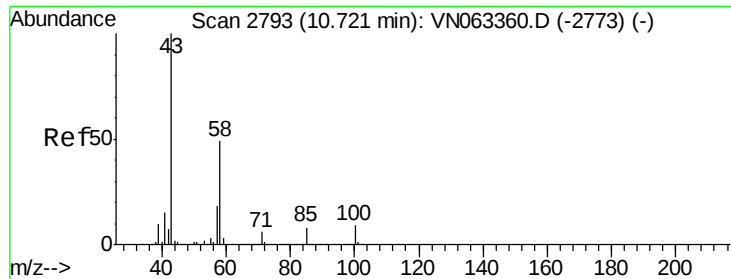
MMDadoda
 9/29/2020 10:40:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.486 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	19.5	29.3





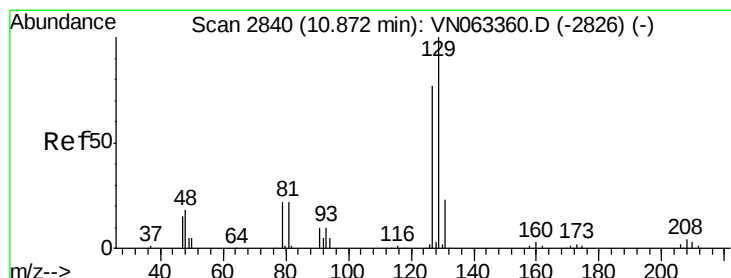
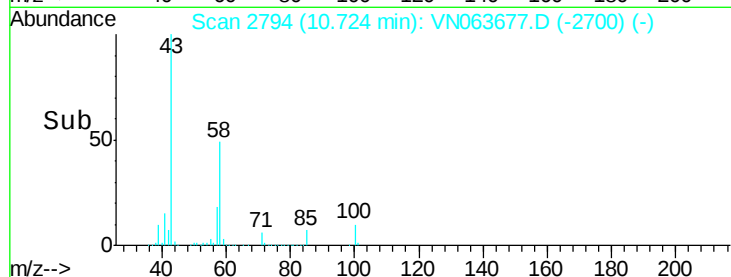
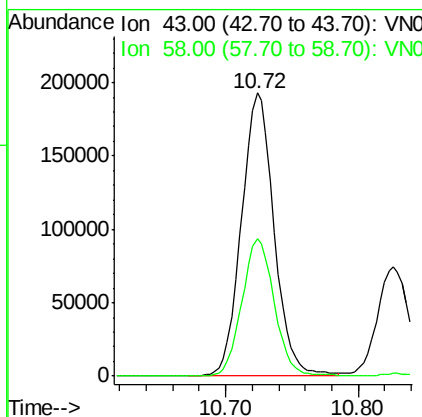
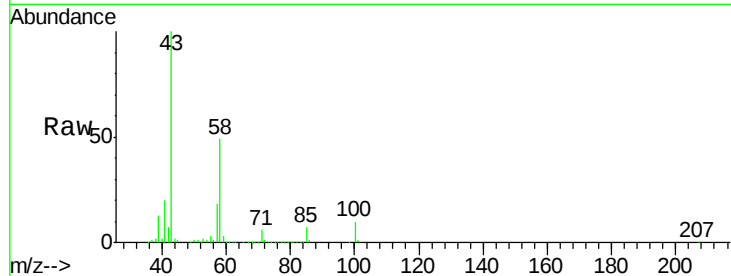
#59
2-Hexanone
Concen: 100.033 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion: 43 Resp: 327345
Ion Ratio Lower Upper
43 100
58 48.9 24.7 74.1

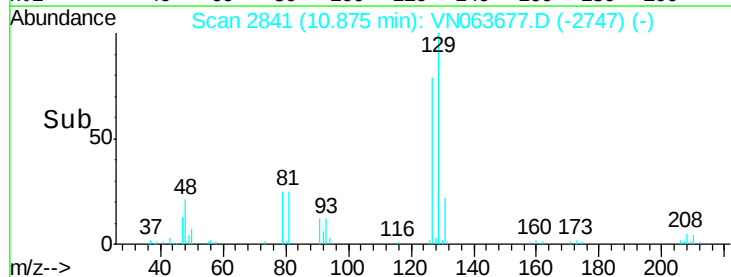
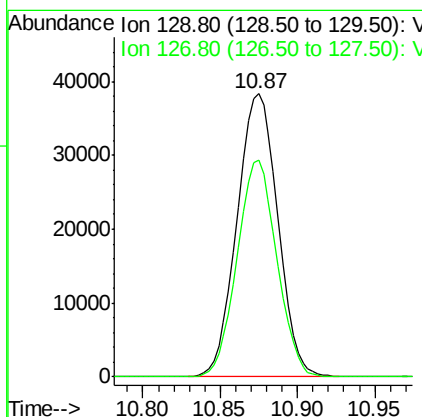
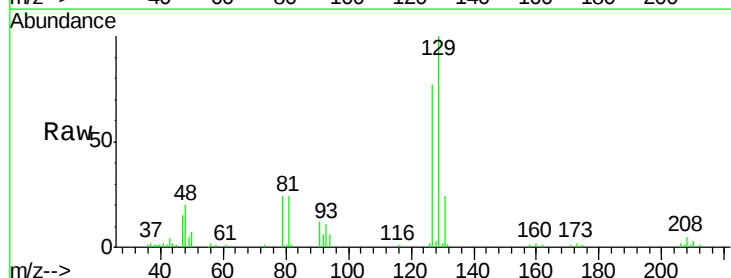
Manual Integrations
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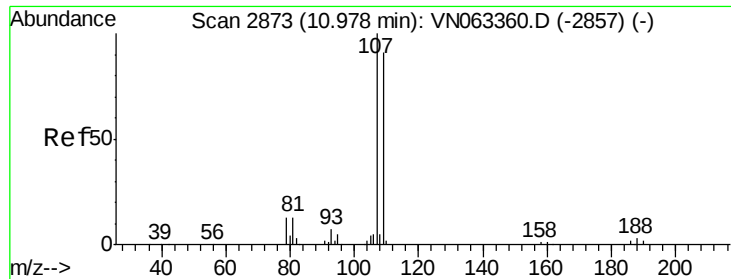
MMDadoda
9/29/2020 10:40:40 AM



#60
Dibromochloromethane
Concen: 19.868 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion: 129 Resp: 70349
Ion Ratio Lower Upper
129 100
127 74.5 39.1 117.3





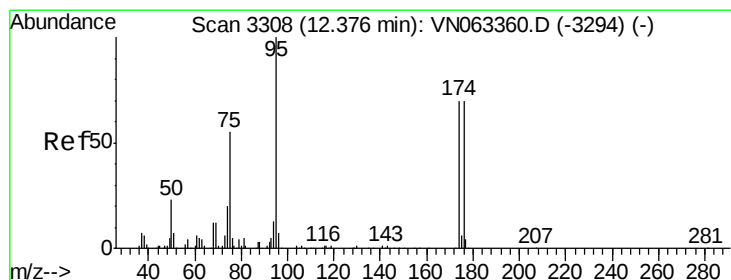
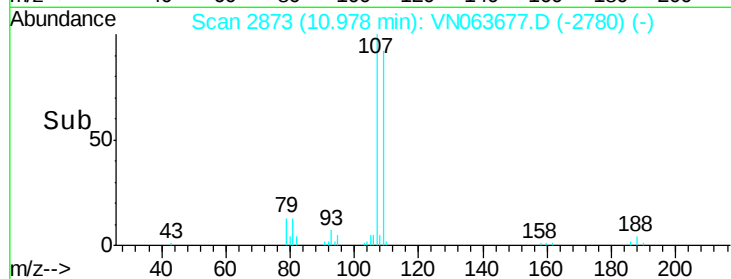
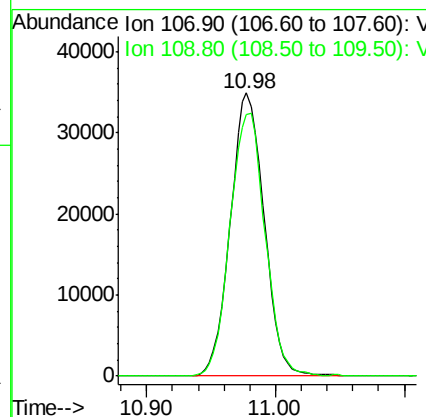
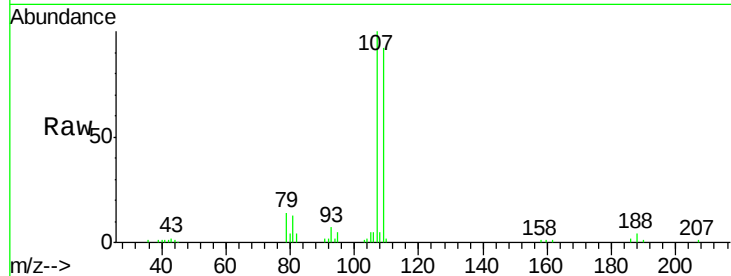
#61
 1,2-Dibromoethane
 Concen: 19.504 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	74.6	111.8

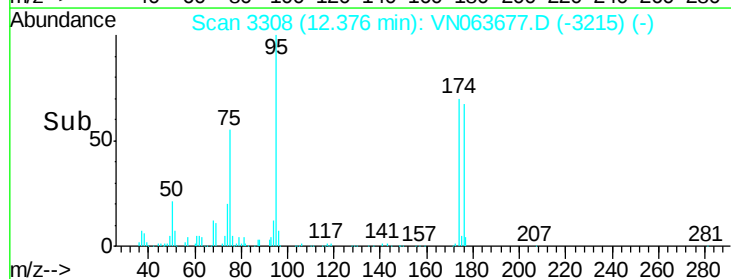
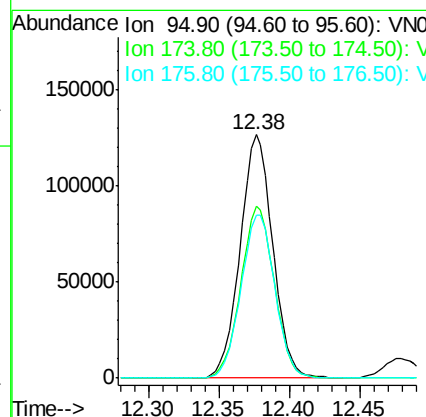
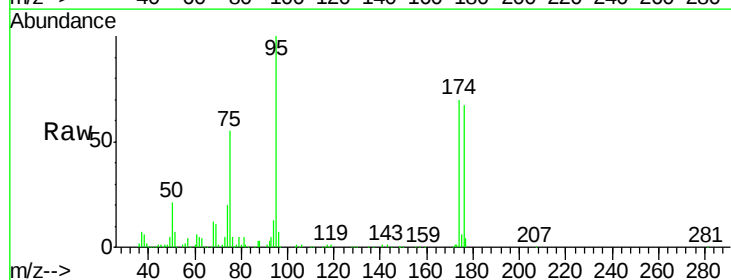
Manual Integrations
 APPROVED

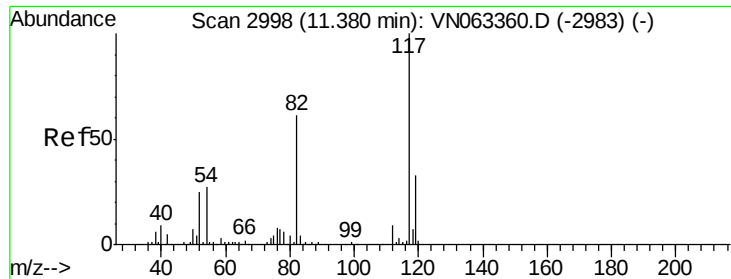
MMDadoda
 9/29/2020 10:40:40 AM



#62
 4-Bromofluorobenzene
 Concen: 50.071 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	140.8
176	69.5	0.0	137.6





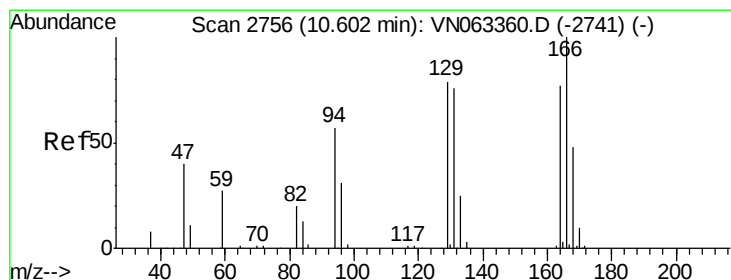
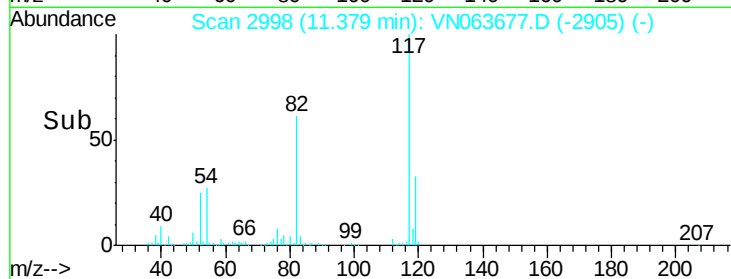
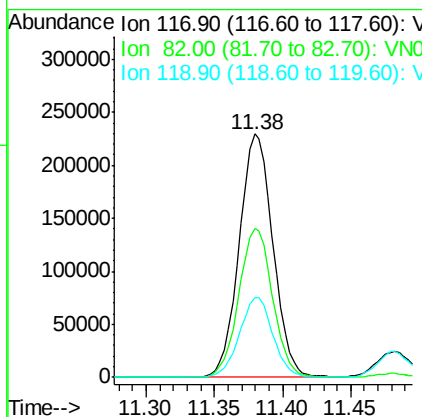
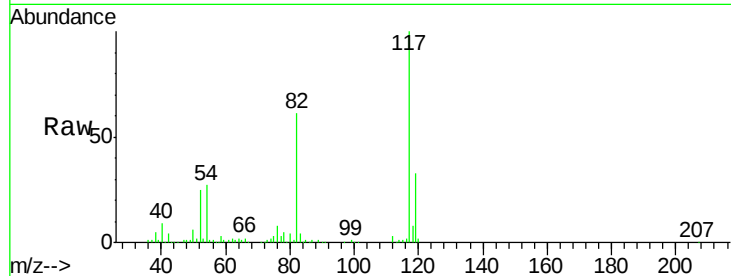
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.2	73.8
119	32.9	26.2	39.4

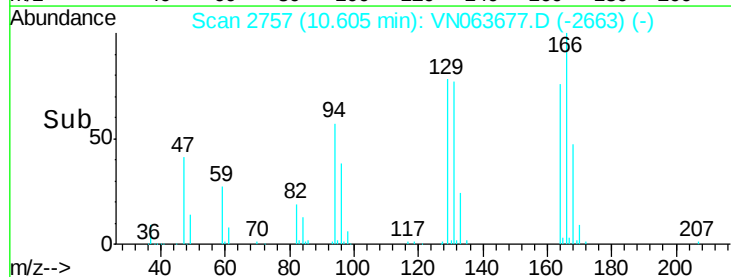
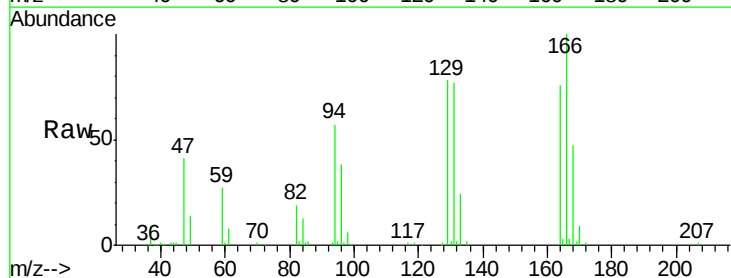
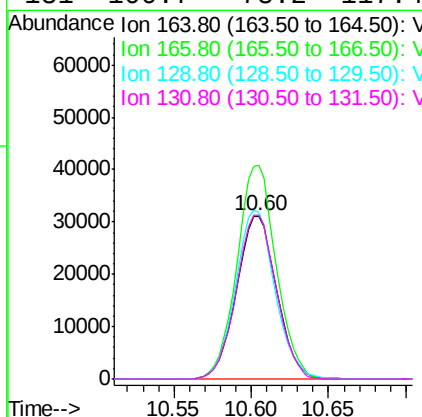
Manual Integrations
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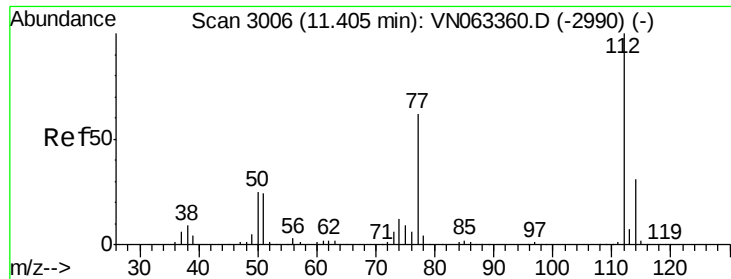
MMDadoda
9/29/2020 10:40:40 AM



#64
Tetrachloroethene
Concen: 20.838 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.4	155.0
129	101.9	81.8	122.6
131	100.7	78.2	117.4





#65

Chlorobenzene

Concen: 19.702 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:112 Resp: 165089

Ion Ratio Lower Upper

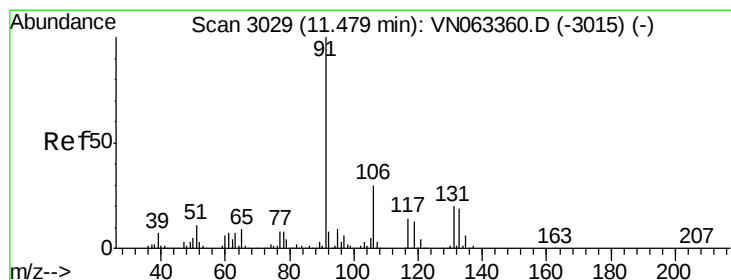
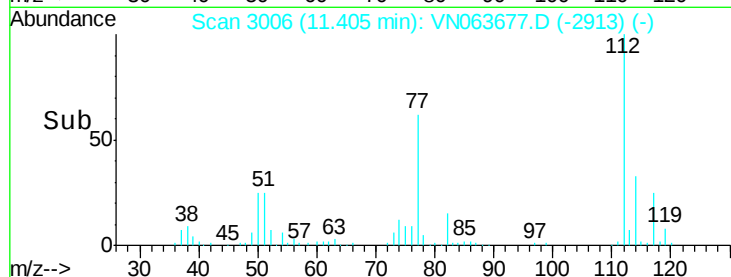
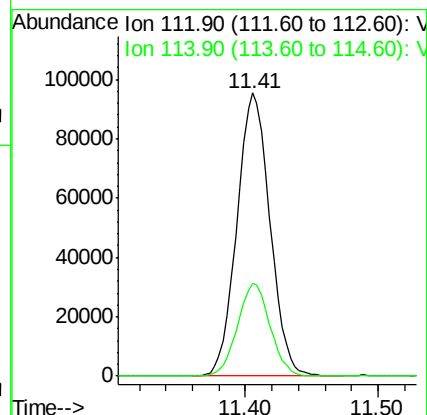
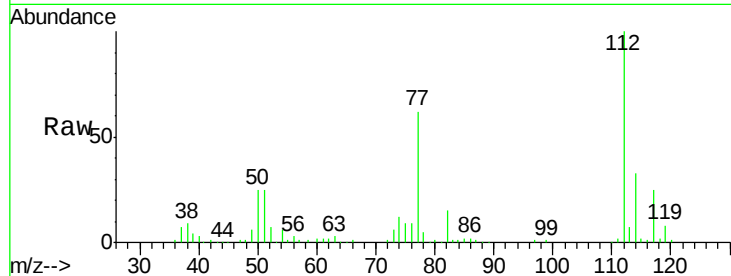
112 100

114 32.7 25.0 37.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.323 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

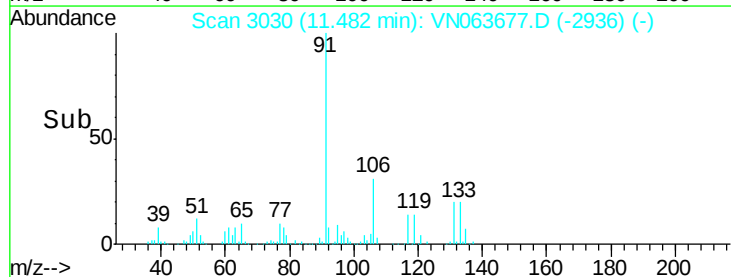
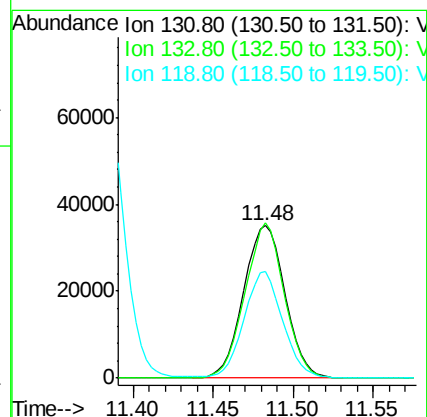
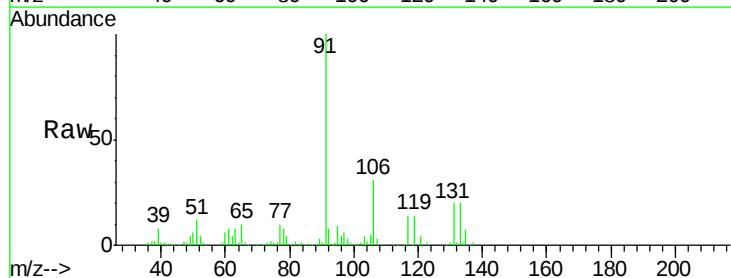
Tgt Ion:131 Resp: 62424

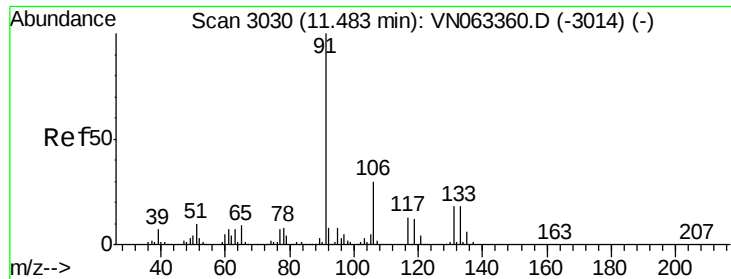
Ion Ratio Lower Upper

131 100

133 96.1 47.3 141.9

119 64.6 33.6 100.8





#67

Ethyl Benzene

Concen: 18.866 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 91 Resp: 297710

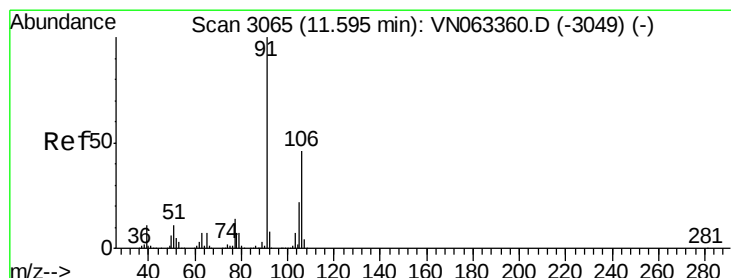
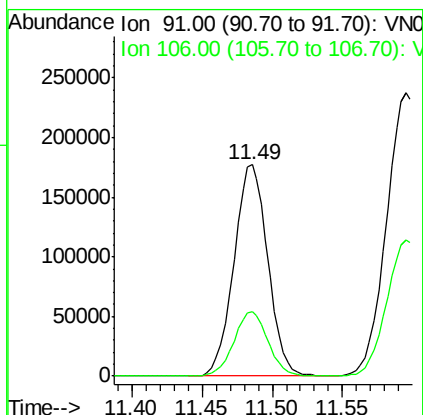
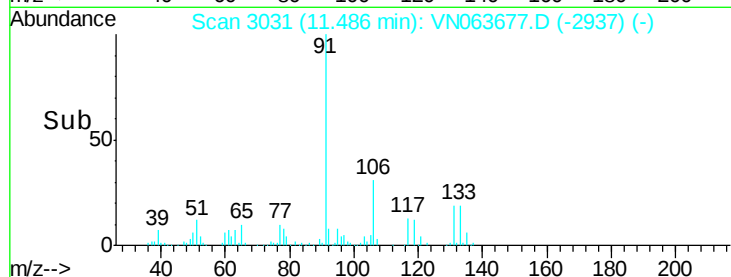
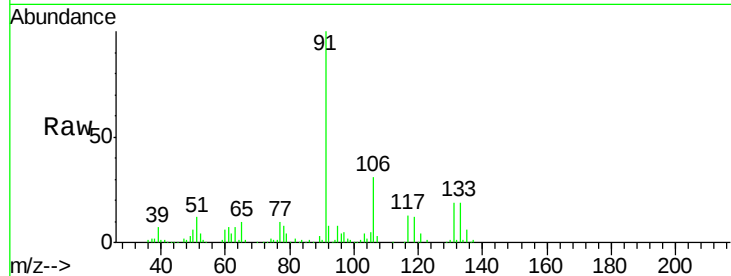
Ion Ratio Lower Upper

91 100

106 30.8 23.8 35.6

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#68

m/p-Xylenes

Concen: 38.417 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063677.D

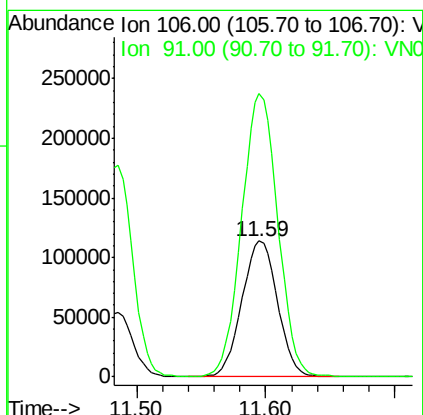
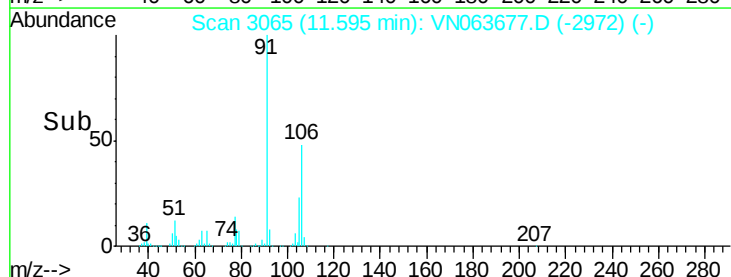
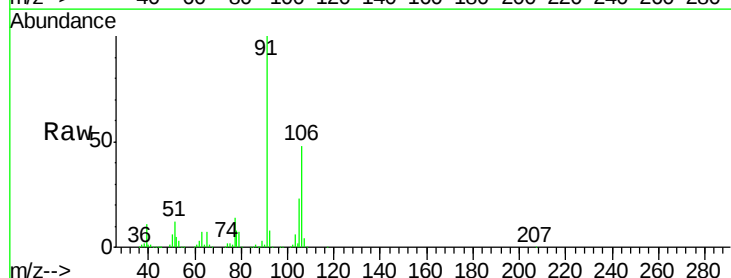
Acq: 25 Sep 2020 14:43

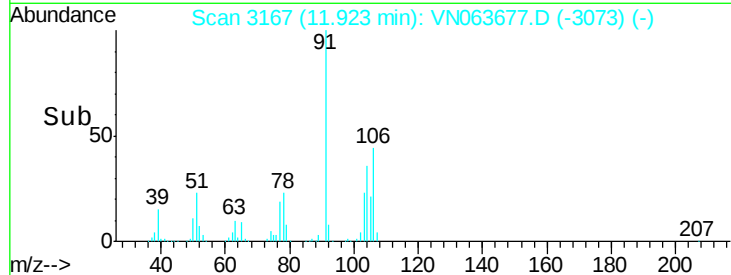
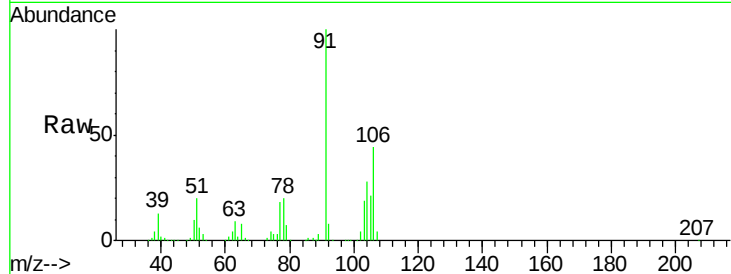
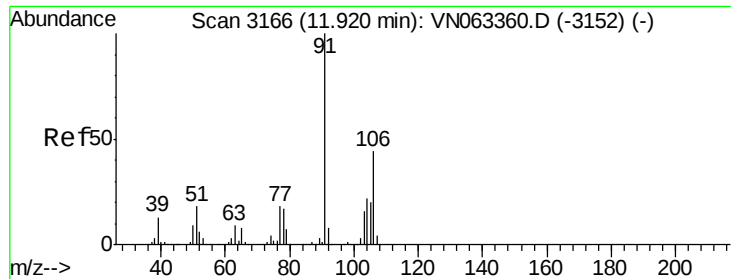
Tgt Ion: 106 Resp: 218571

Ion Ratio Lower Upper

106 100

91 211.3 171.2 256.8





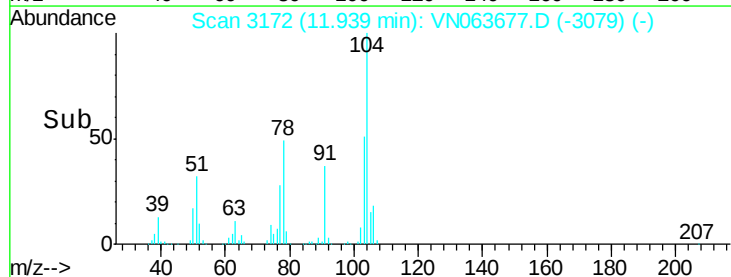
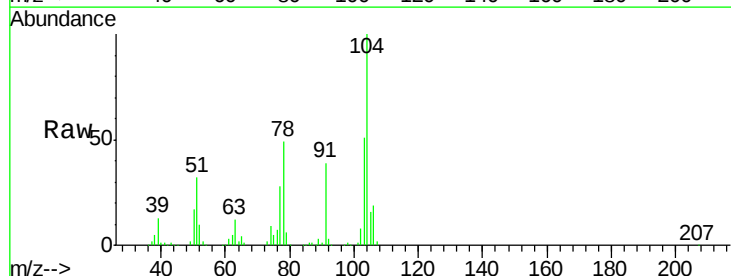
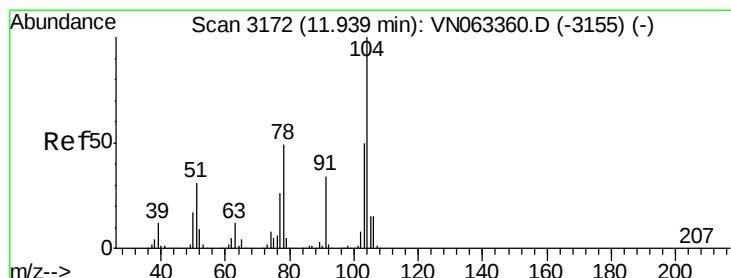
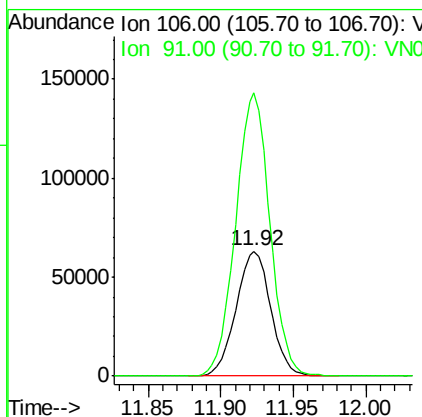
#69
o-Xylene
Concen: 19.298 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	104590		
91	223.6	113.6	340.8		

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

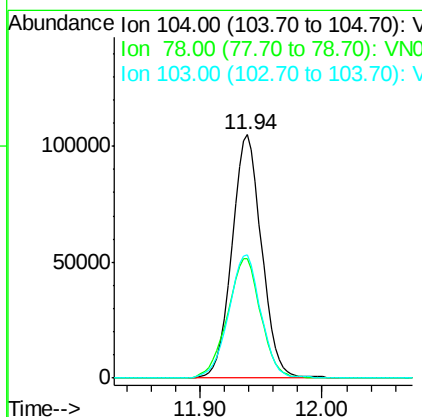
Manual Integrations
APPROVED

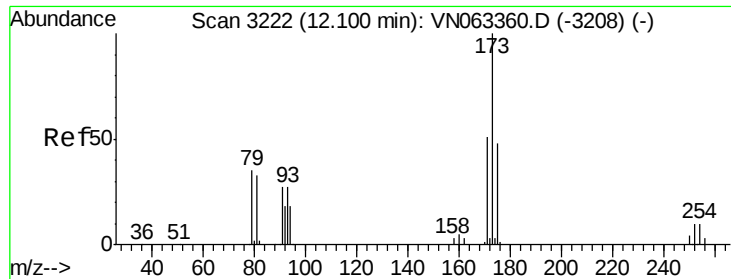
MMDadoda
9/29/2020 10:40:40 AM



#70
Styrene
Concen: 19.545 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	177643		
78	55.5	44.4	66.6		
103	54.9	43.7	65.5		





#71

Bromoform

Concen: 19.404 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion:173 Resp: 44400

Ion Ratio Lower Upper

173 100

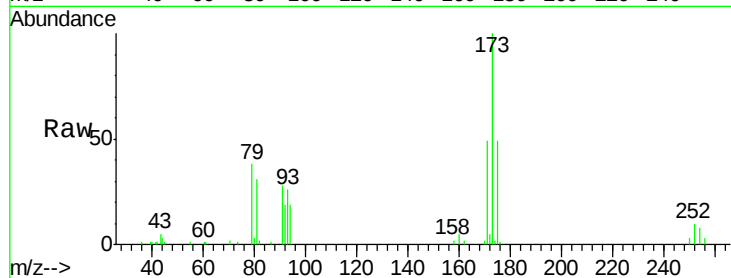
175 49.5 24.0 72.0

254 0.0 0.0 0.0

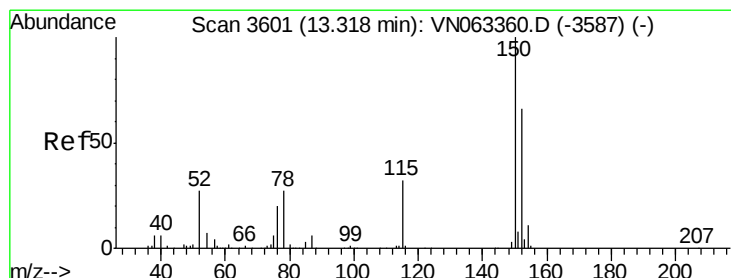
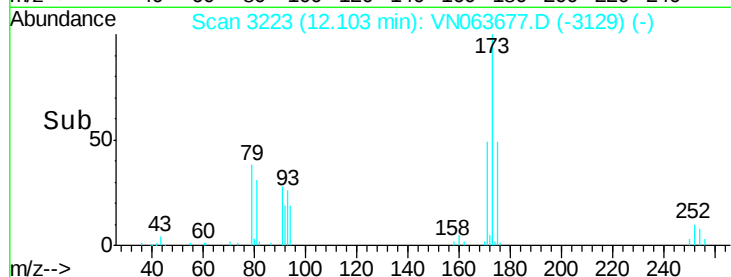
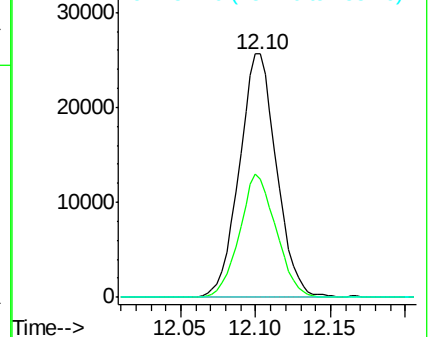
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

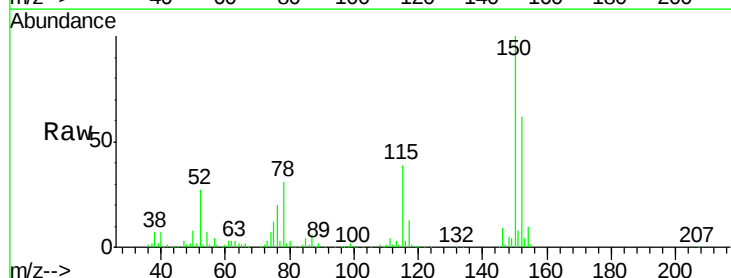
Tgt Ion:152 Resp: 184196

Ion Ratio Lower Upper

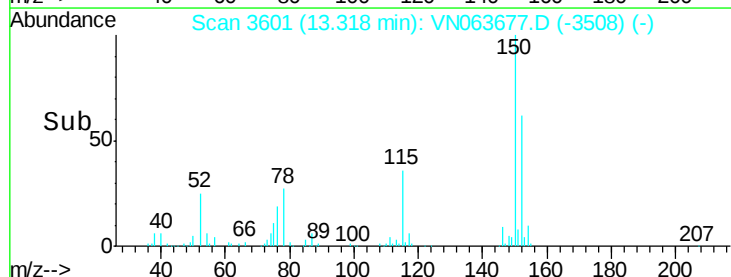
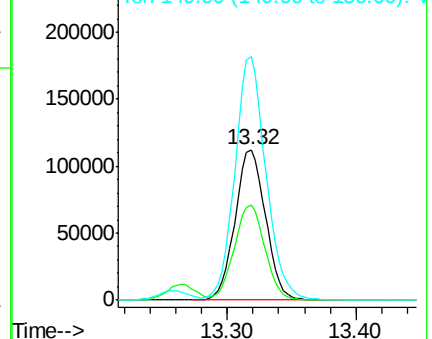
152 100

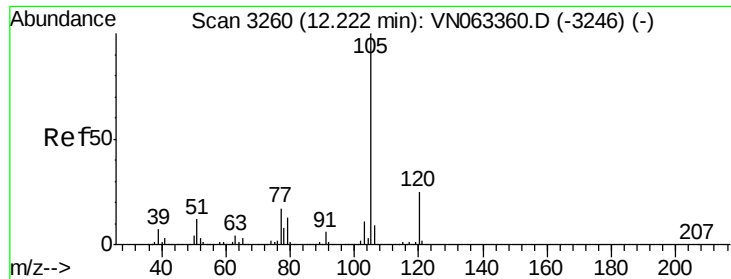
115 63.6 32.2 96.6

150 164.8 0.0 343.4



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





#73

Isopropylbenzene

Concen: 18.923 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 105 Resp: 279304

Ion Ratio Lower Upper

105 100

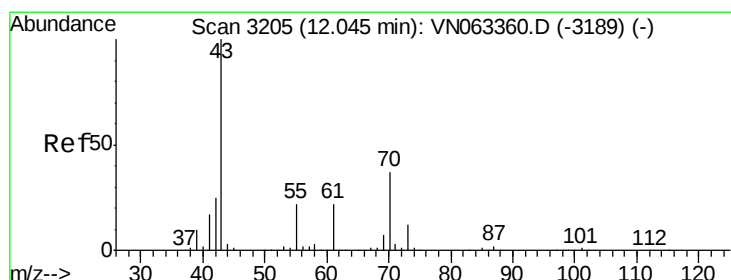
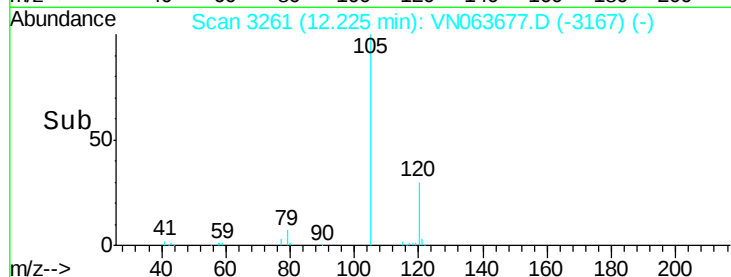
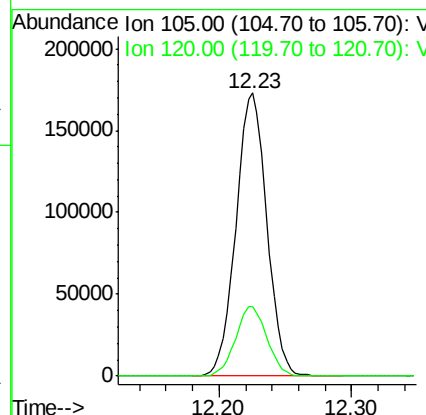
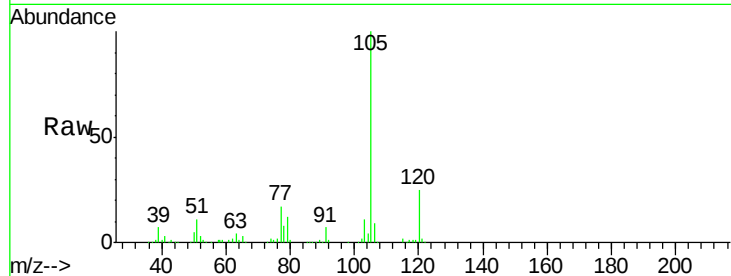
120 24.9 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.406 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion: 43 Resp: 128608

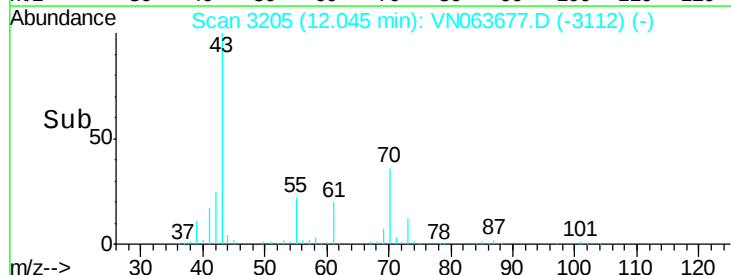
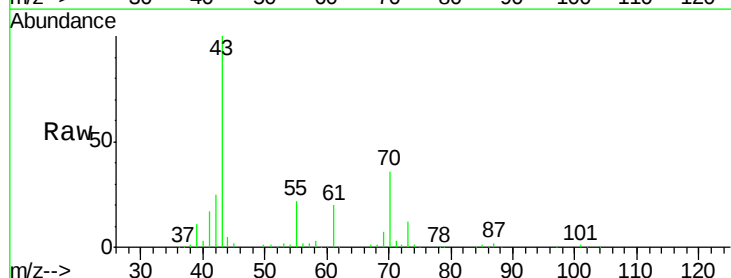
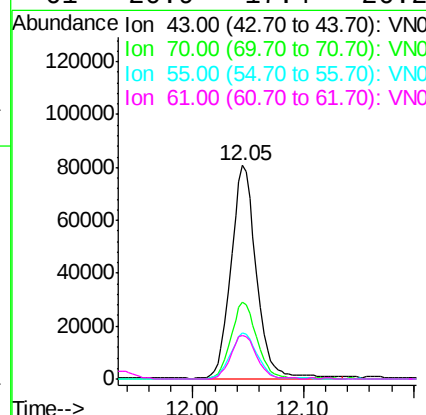
Ion Ratio Lower Upper

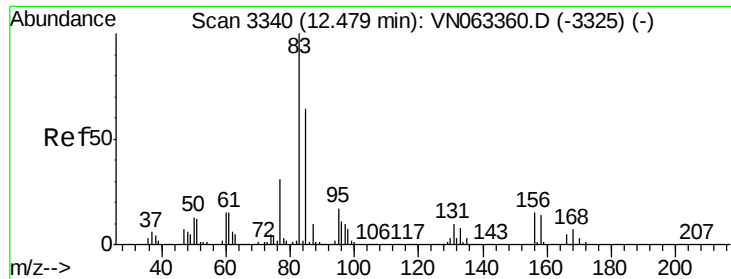
43 100

70 36.9 29.6 44.4

55 22.8 17.7 26.5

61 20.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.319 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

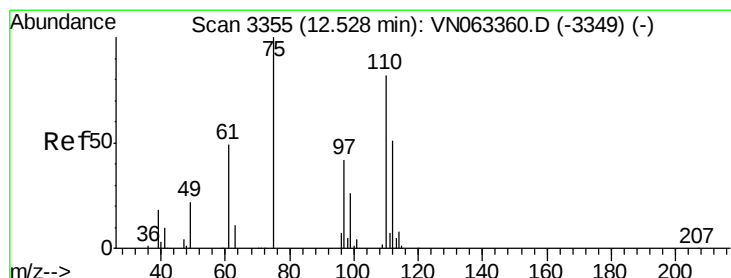
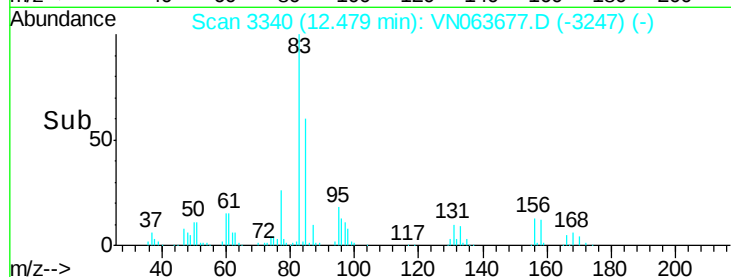
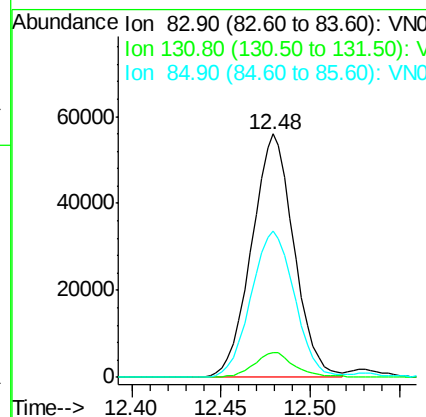
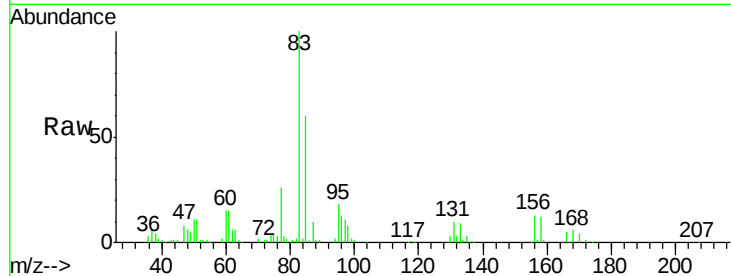
ClientSampleId :

VN0925WBSD01

Tot Ion:	83	Resp:	92862
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	61.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 18.715 ug/l m

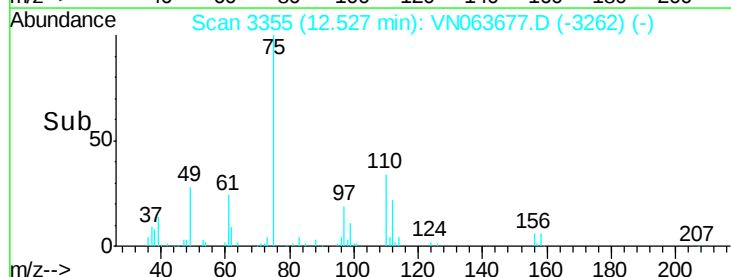
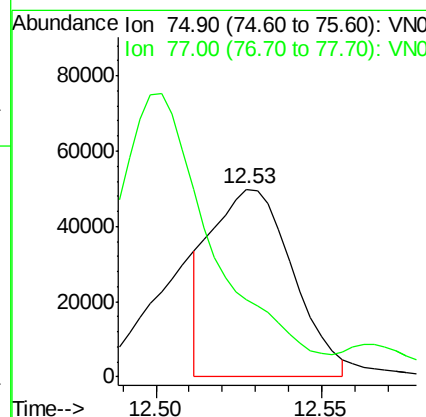
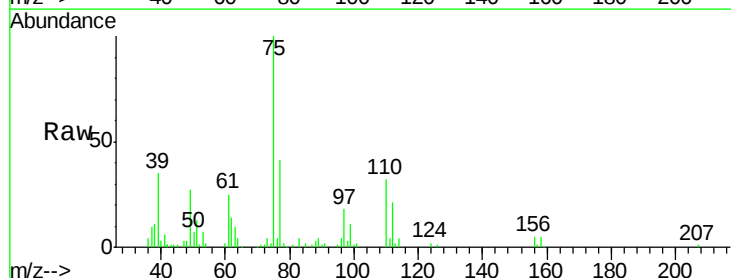
RT: 12.53 min Scan# 3355

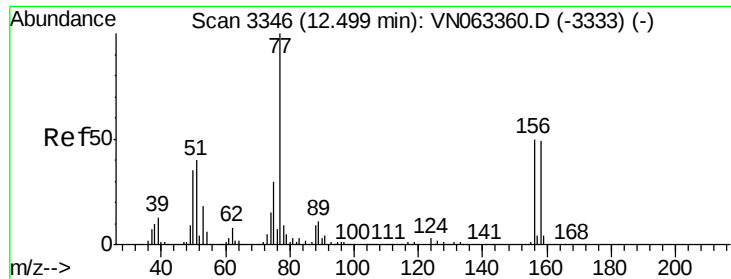
Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	75	Resp:	85324
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.136 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

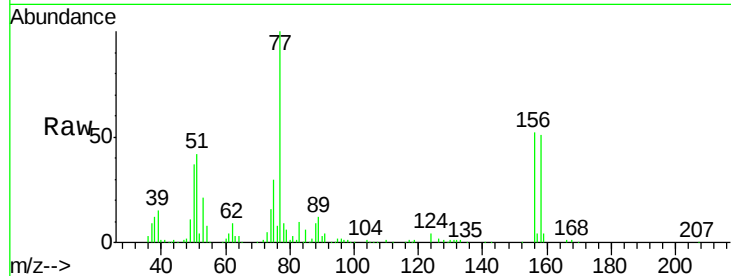
ClientSampleId :

VN0925WBSD01

Tot Ion:	156	Resp:	66857
Ion	Ratio	Lower	Upper
156	100		
77	237.9	120.2	360.6
158	100.2	48.9	146.6

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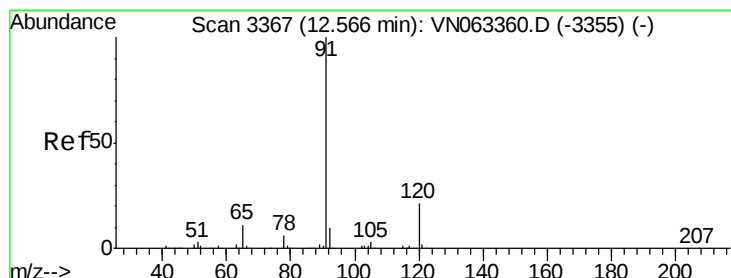
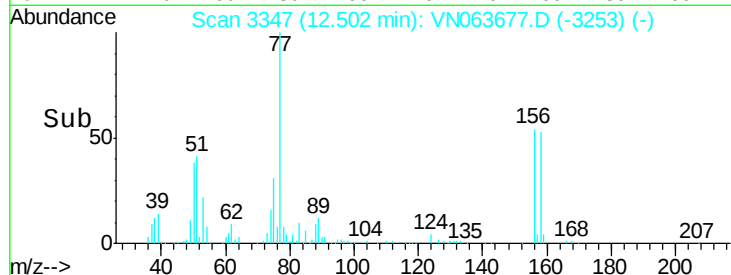
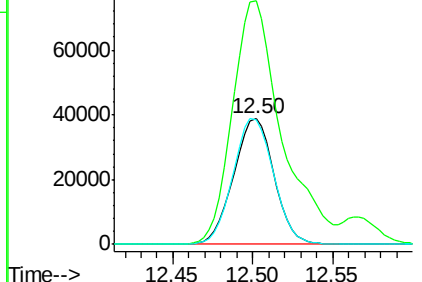
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.792 ug/l

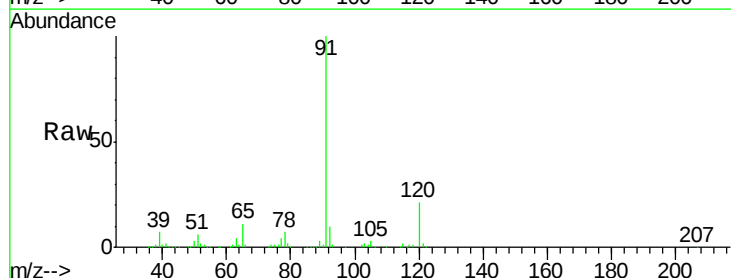
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063677.D

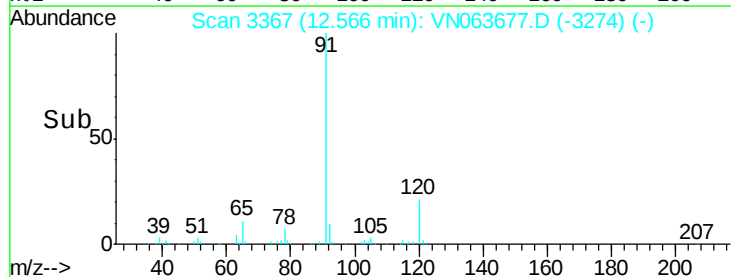
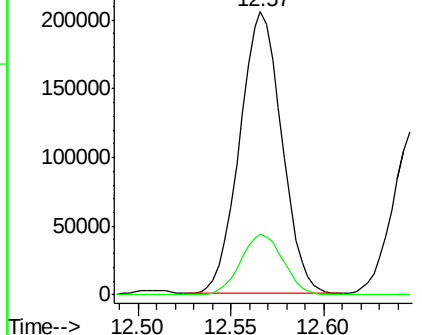
Acq: 25 Sep 2020 14:43

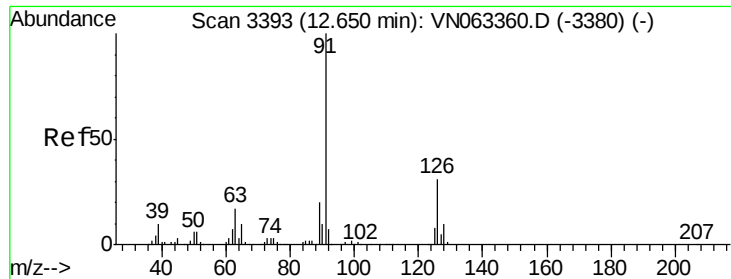
Tgt Ion:	91	Resp:	323071
Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.266 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 91 Resp: 198551

Ion Ratio Lower Upper

91 100

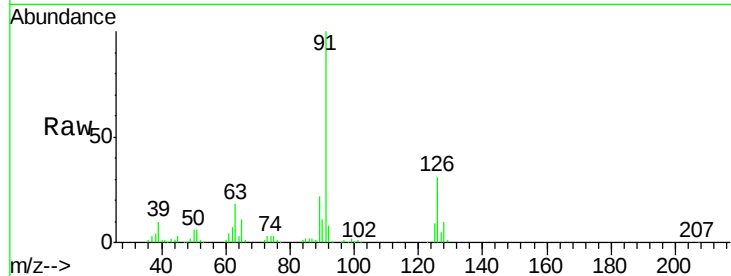
126 31.4 15.8 47.3

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

200000

150000

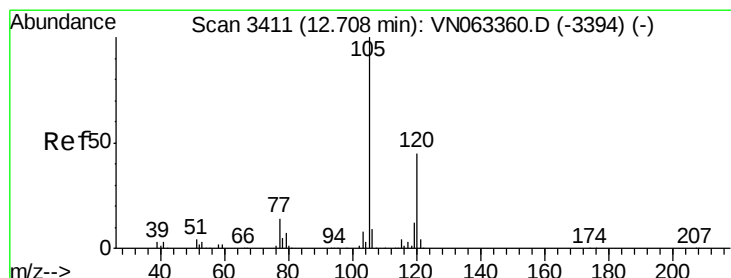
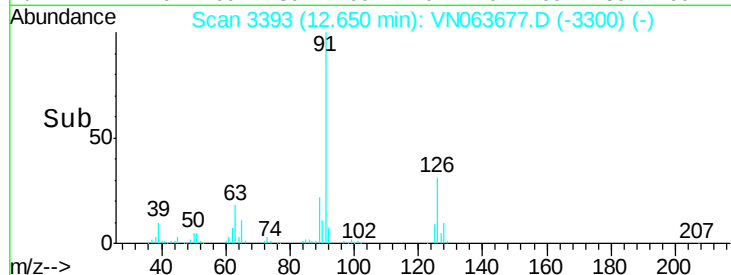
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.214 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063677.D

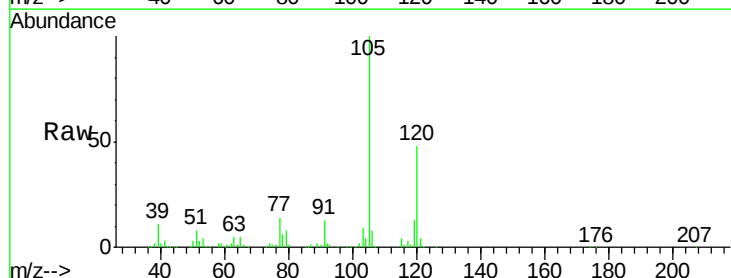
Acq: 25 Sep 2020 14:43

Tgt Ion: 105 Resp: 236486

Ion Ratio Lower Upper

105 100

120 46.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

150000

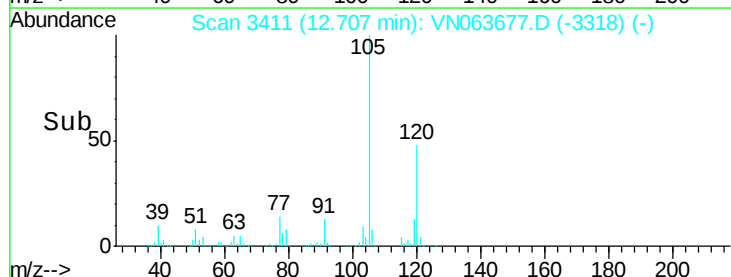
100000

50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.015 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

VN0925WBSD01

Tot Ion: 75 Resp: 29957

Ion Ratio Lower Upper

75 100

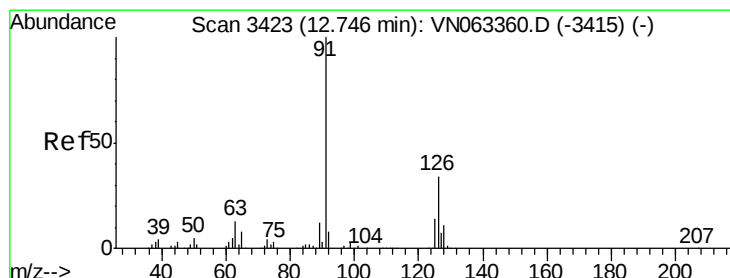
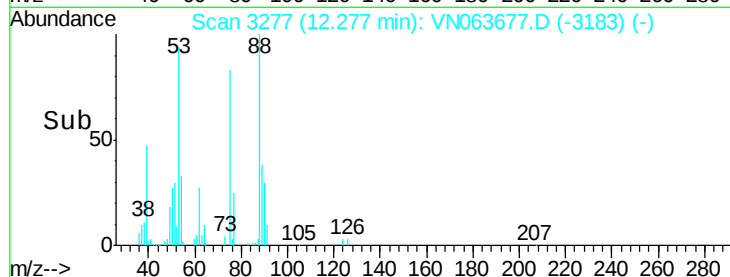
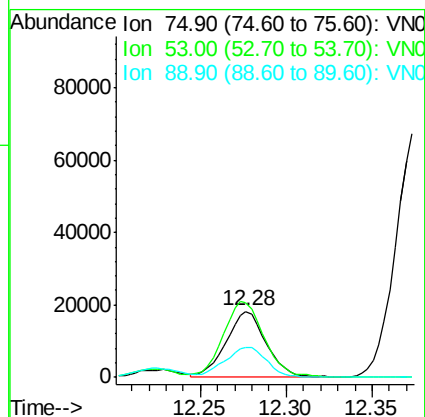
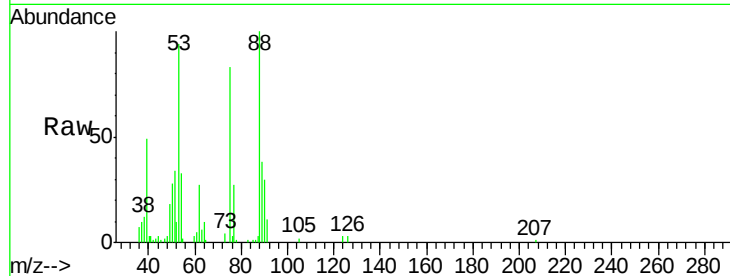
53 116.9 85.7 128.5

89 47.0 38.0 57.0

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#82

4-Chlorotoluene

Concen: 19.242 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063677.D

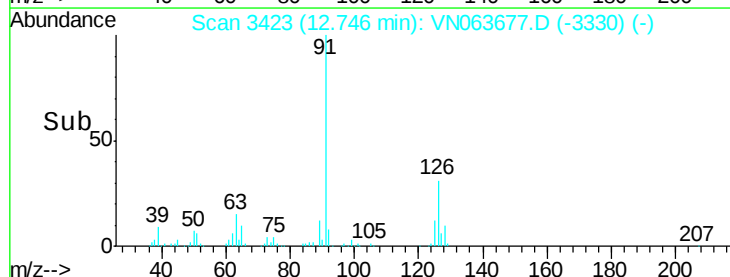
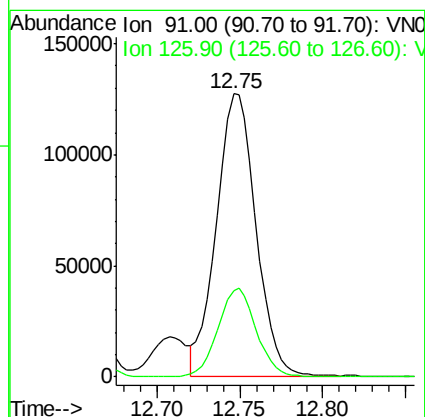
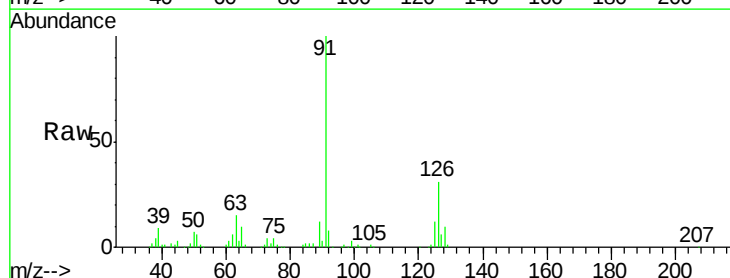
Acq: 25 Sep 2020 14:43

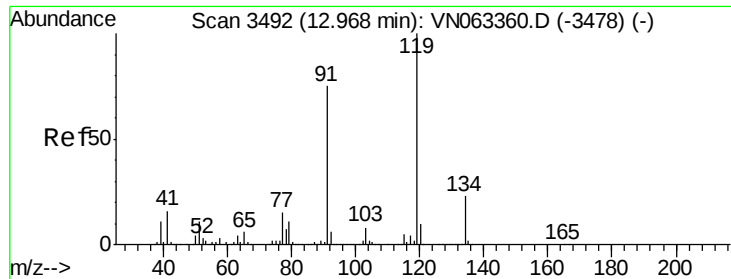
Tgt Ion: 91 Resp: 209524

Ion Ratio Lower Upper

91 100

126 30.9 15.5 46.5





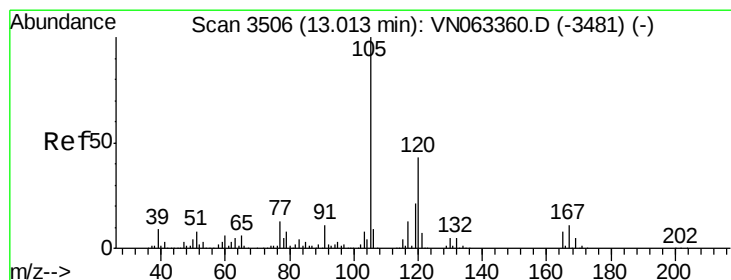
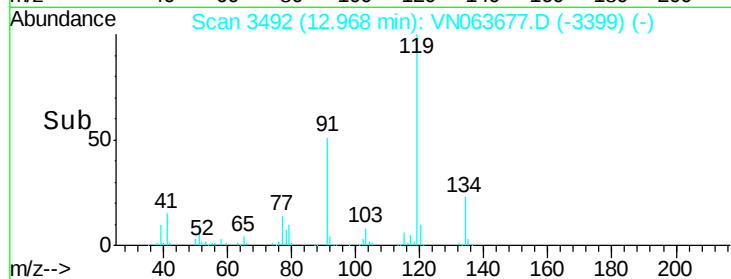
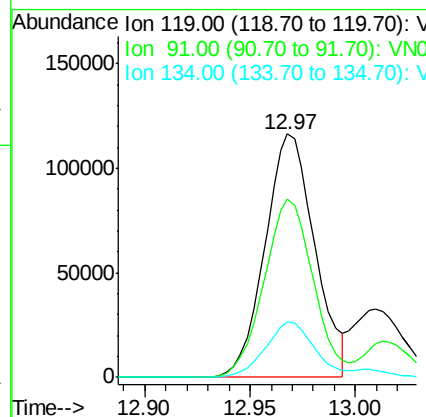
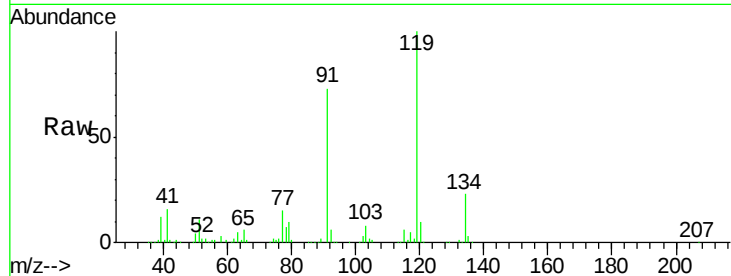
#83
tert-Butylbenzene
Concen: 18.764 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	36.3	108.9
134	22.4	12.3	36.8

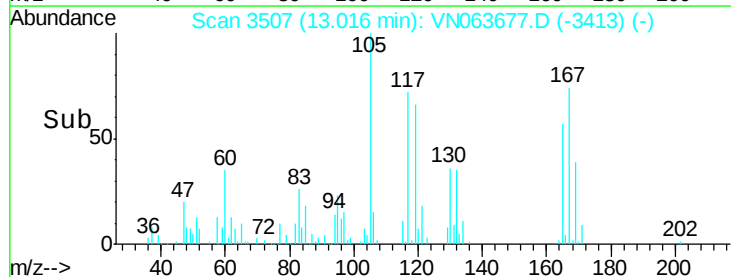
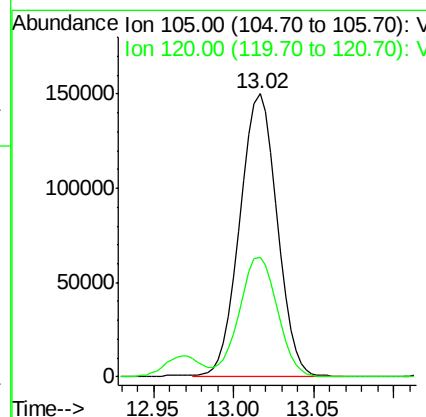
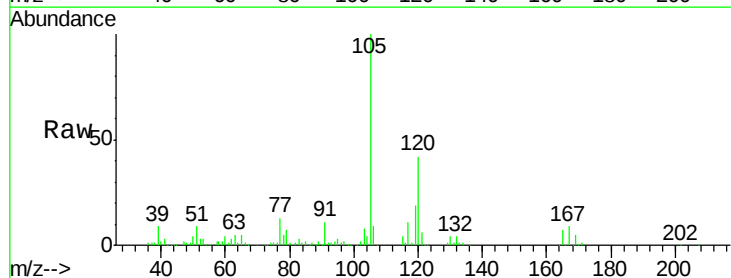
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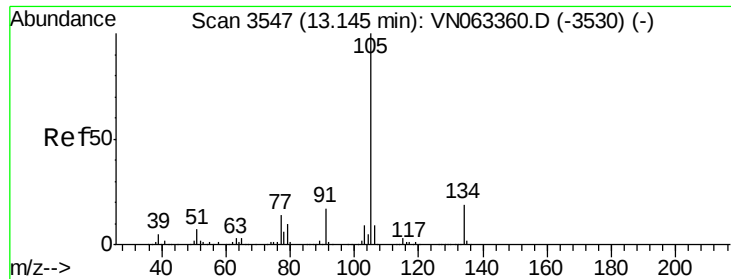
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#84
1,2,4-Trimethylbenzene
Concen: 19.006 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.3	63.9





#85

sec-Butylbenzene

Concen: 18.610 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

VN0925WBSD01

Tot Ion:105 Resp: 253062

Ion Ratio Lower Upper

105 100

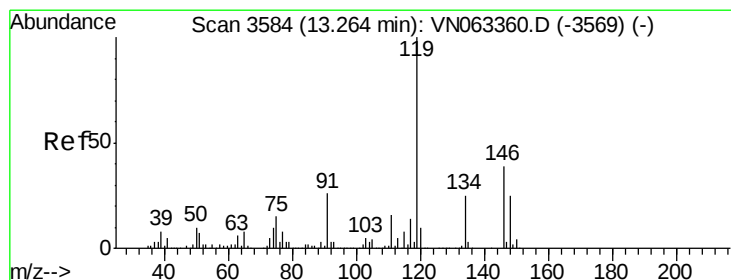
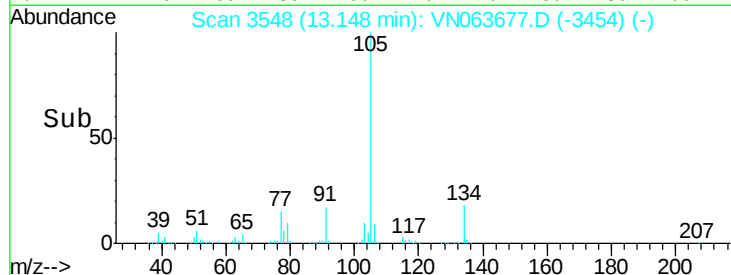
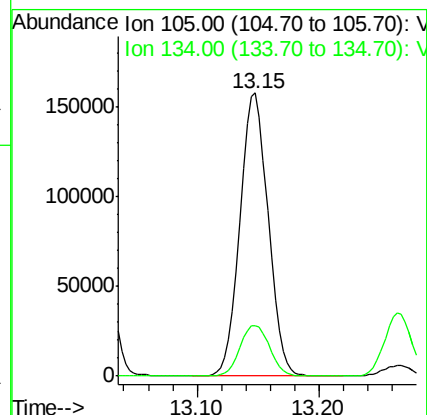
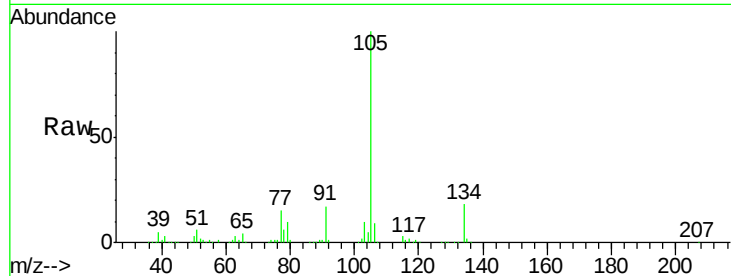
134 18.7 9.3 27.7

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#86

p-Isopropyltoluene

Concen: 18.671 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

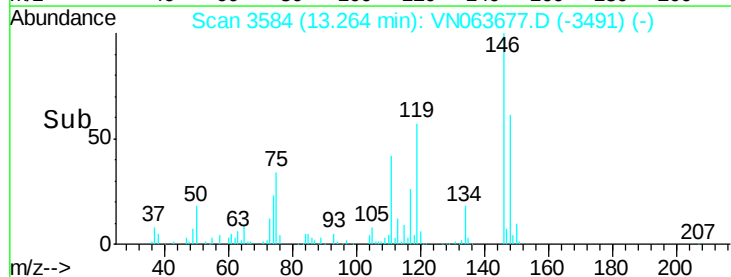
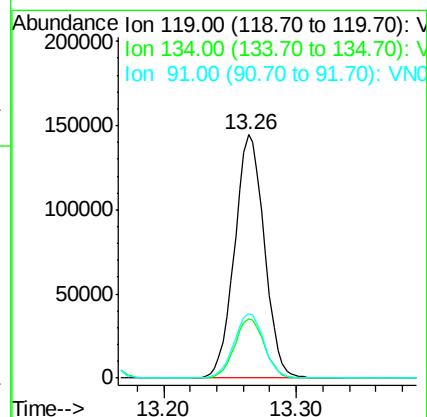
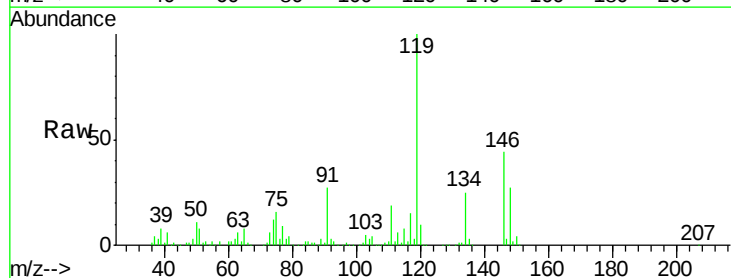
Tgt Ion:119 Resp: 223930

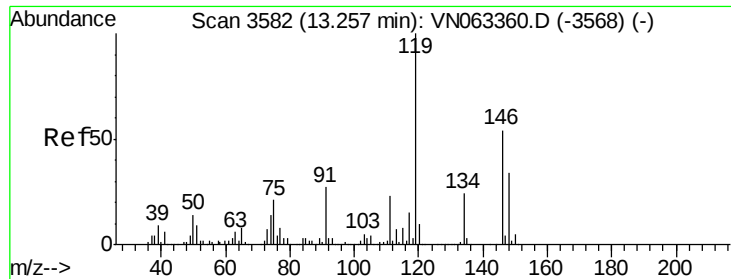
Ion Ratio Lower Upper

119 100

134 24.6 12.5 37.5

91 26.8 13.4 40.1





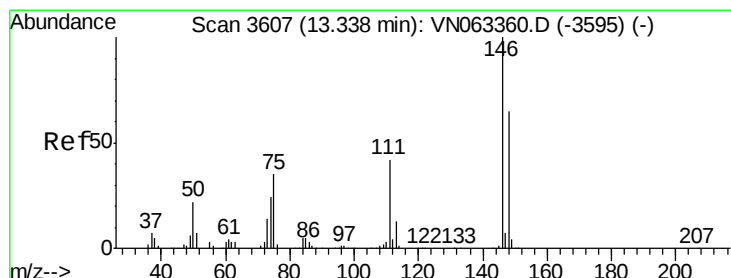
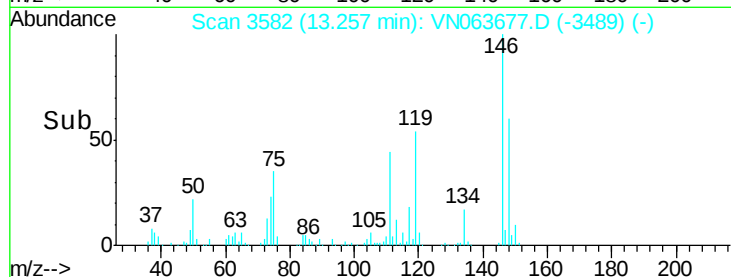
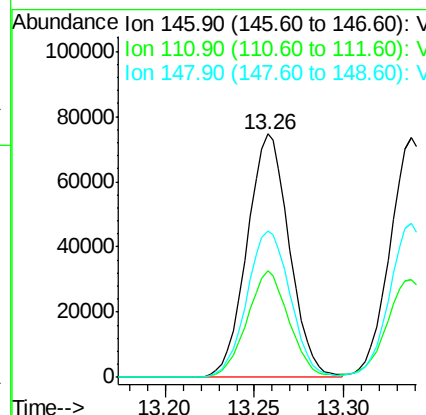
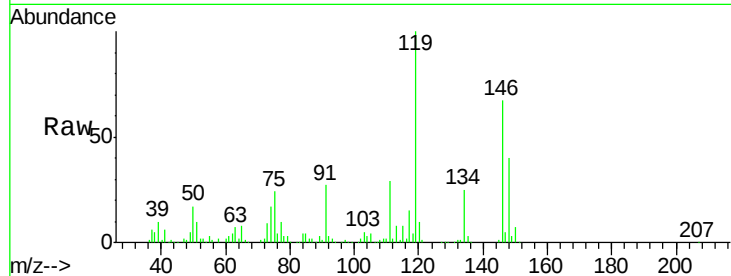
#87
 1,3-Dichlorobenzene
 Concen: 20.112 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123767		
111	43.5	21.4	64.3	
148	61.5	31.9	95.7	

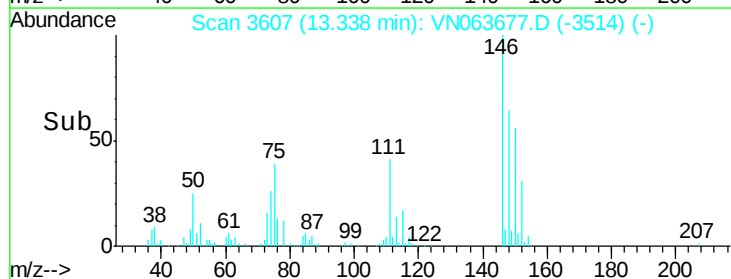
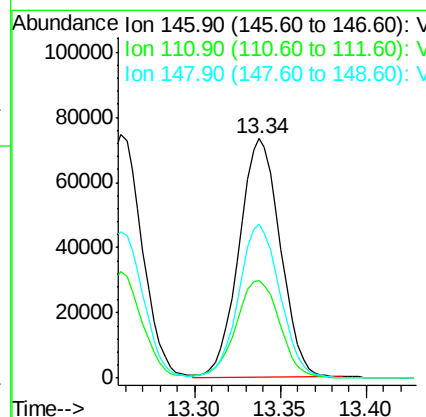
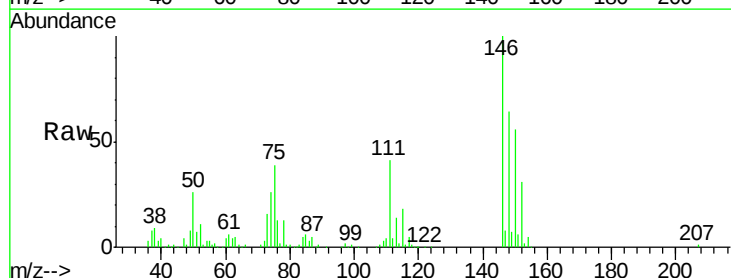
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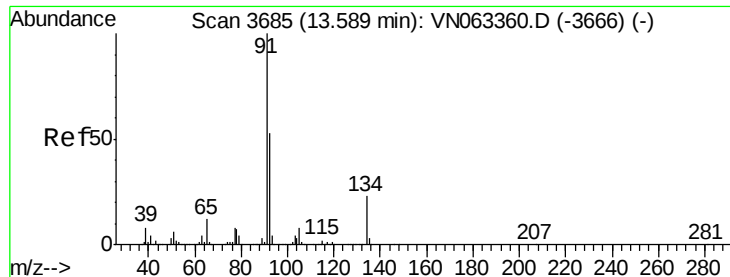
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#88
 1,4-Dichlorobenzene
 Concen: 19.535 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122228		
111	43.9	21.2	63.6	
148	65.0	31.9	95.9	





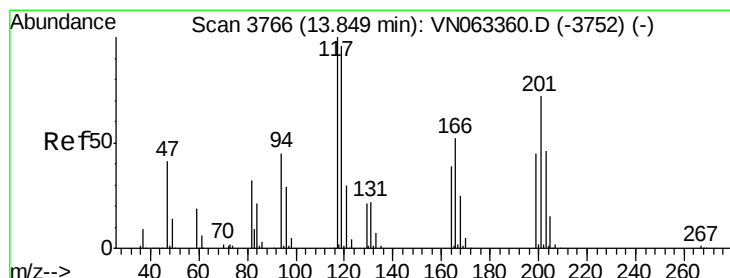
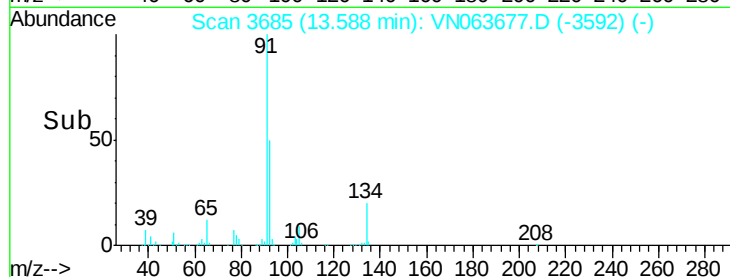
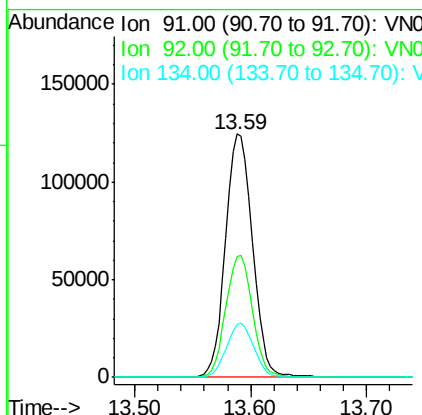
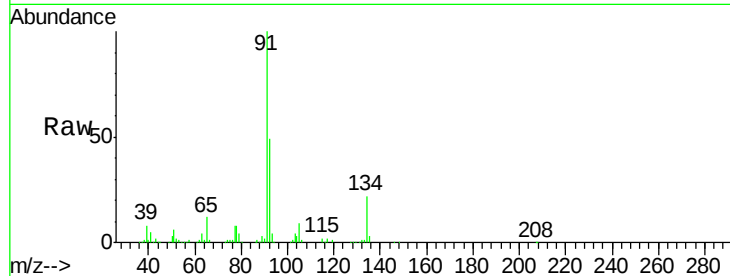
#89
n-Butylbenzene
Concen: 18.125 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.4	26.0	78.0
134	22.3	11.7	35.0

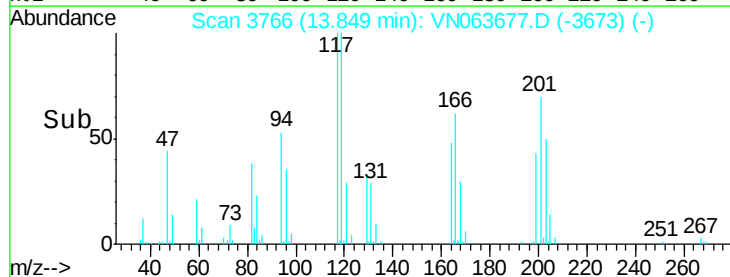
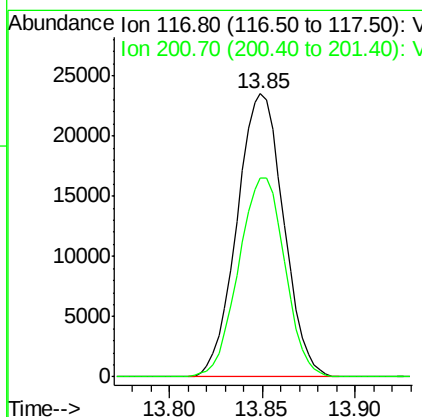
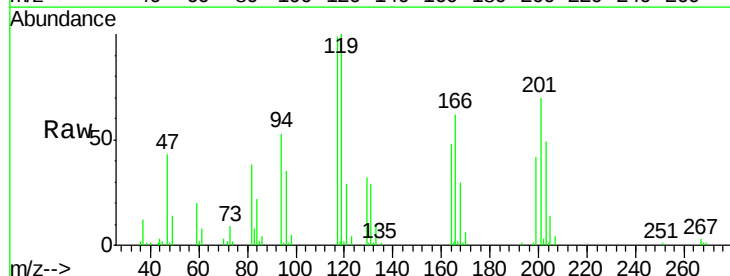
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#90
Hexachloroethane
Concen: 17.922 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063677.D
Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 20.155 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

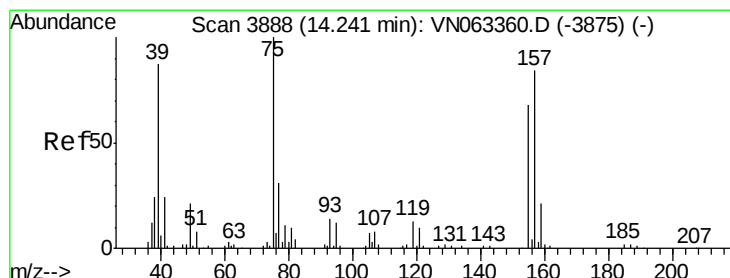
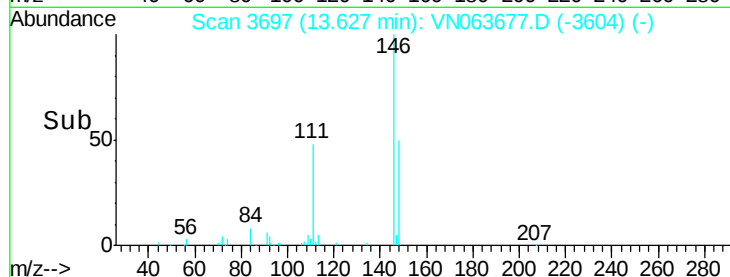
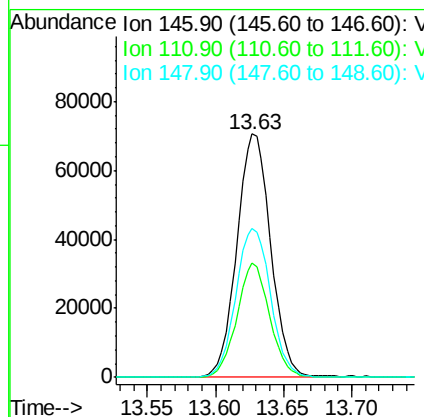
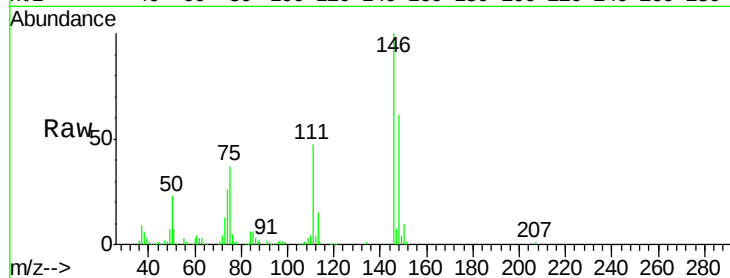
ClientSampleId :

VN0925WBSD01

Tot Ion:	146	Resp:	121775
Ion Ratio	Lower	Upper	
146	100		
111	45.3	22.4	67.2
148	62.5	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.142 ug/l

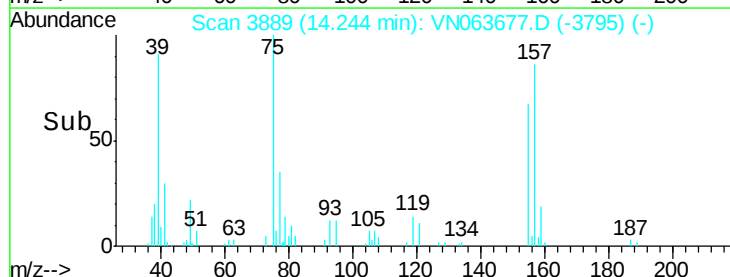
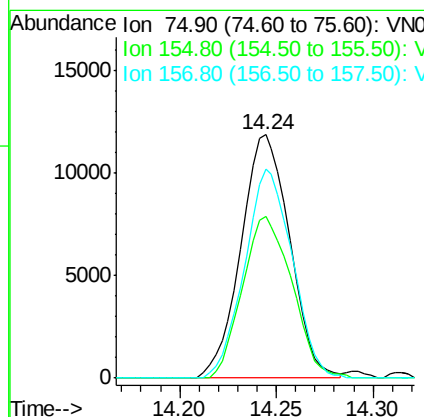
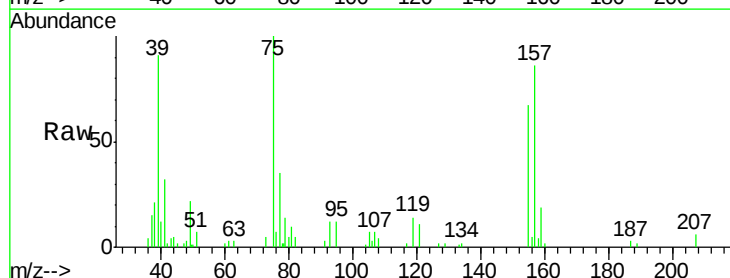
RT: 14.24 min Scan# 3889

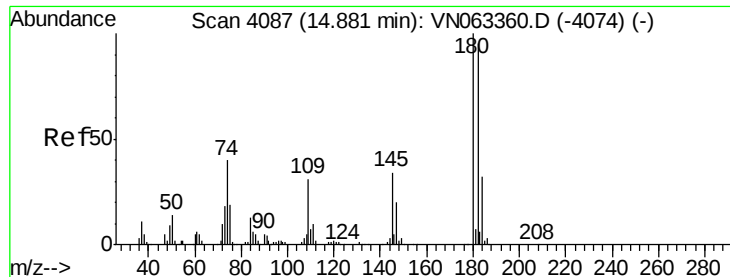
Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	75	Resp:	20832
Ion Ratio	Lower	Upper	
75	100		
155	67.3	34.6	103.9
157	83.7	43.7	131.1





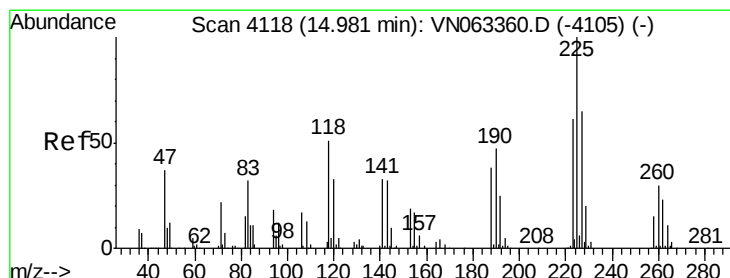
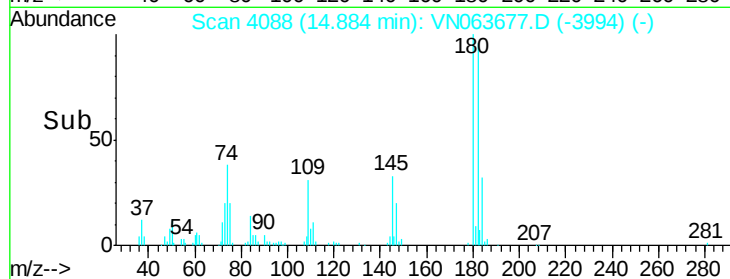
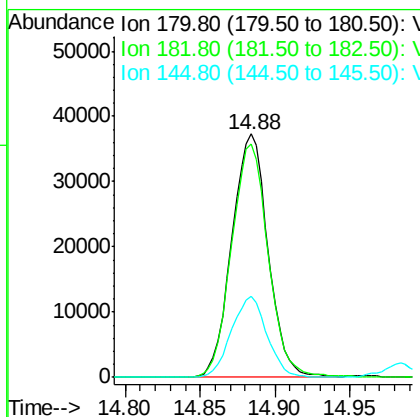
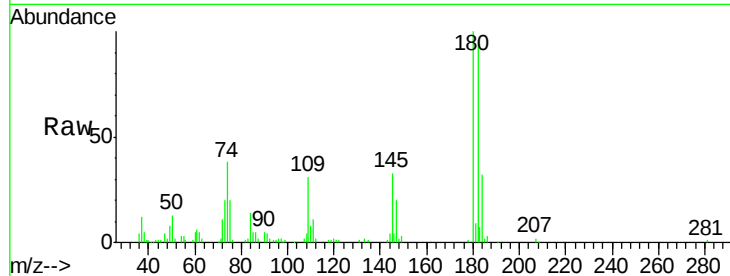
#93
 1,2,4-Trichlorobenzene
 Concen: 17.630 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	142.0
145	32.4	16.6	49.7

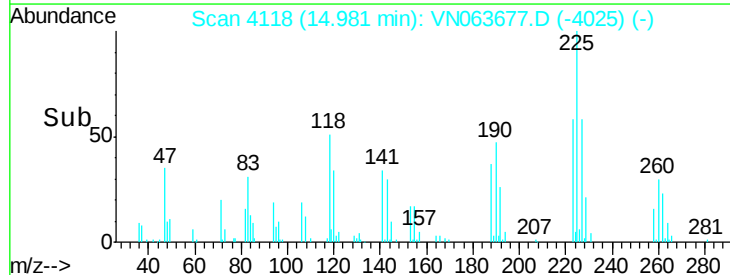
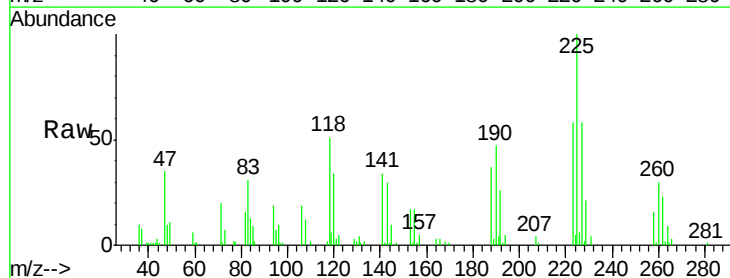
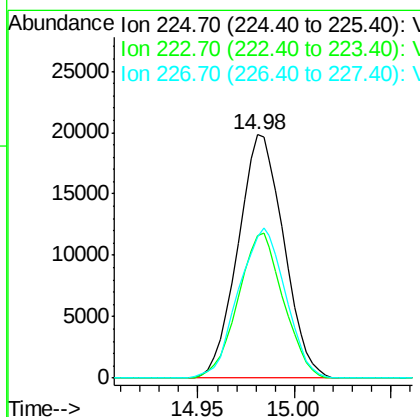
Manual Integrations
 APPROVED

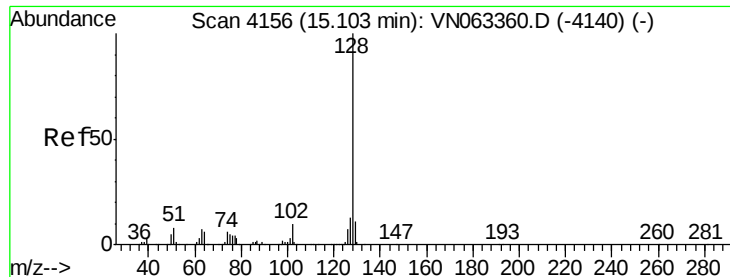
MMDadoda
 9/29/2020 10:40:40 AM



#94
 Hexachlorobutadiene
 Concen: 22.123 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063677.D
 Acq: 25 Sep 2020 14:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.6	30.6	91.6
227	63.4	31.2	93.6





#95

Naphthalene

Concen: 17.169 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Instrument :

MSVOA_N

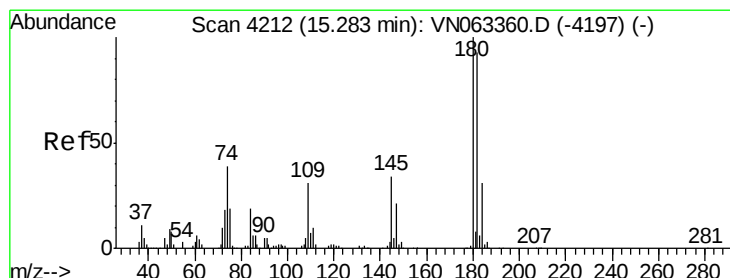
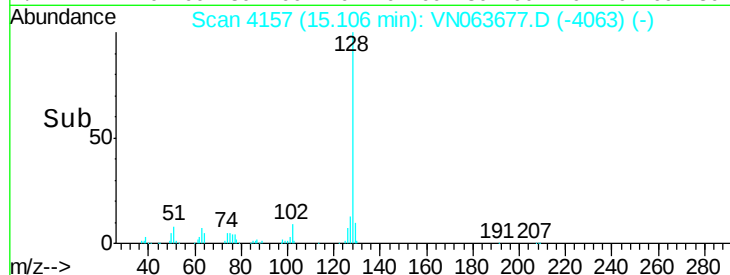
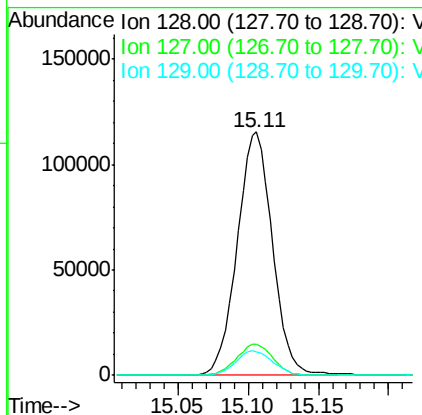
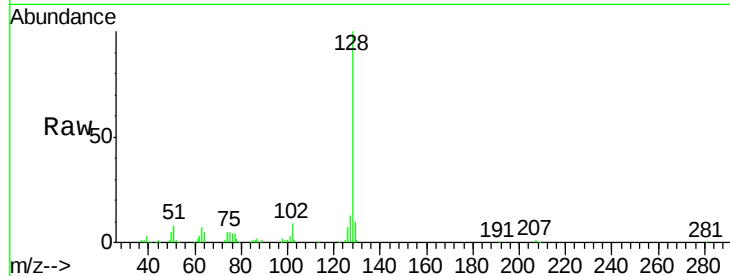
ClientSampleId :

VN0925WBSD01

Tot Ion:	128	Resp:	202041
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/29/2020 10:40:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.407 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063677.D

Acq: 25 Sep 2020 14:43

Tgt Ion:	180	Resp:	63348
Ion Ratio	Lower	Upper	
180	100		
182	92.7	46.7	140.1
145	33.1	16.8	50.3

