

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063436.D
 Acq On : 17 Sep 2020 22:47
 Operator : JC/MD
 Sample : VN0917MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 10:02:57 AM

Quant Time: Sep 18 05:04:40 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	283803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	506874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	462070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	211407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	222443	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
35) Dibromofluoromethane	7.55	113	158199	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
50) Toluene-d8	10.06	98	592522	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
62) 4-Bromofluorobenzene	12.38	95	220865	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	53505	16.641	ug/l	98
3) Chloromethane	2.04	50	69695	16.386	ug/l	97
4) Vinyl Chloride	2.16	62	66887	17.749	ug/l	96
5) Bromomethane	2.54	94	42119	18.824	ug/l	93
6) Chloroethane	2.68	64	40481	17.500	ug/l	99
7) Trichlorofluoromethane	2.99	101	103146	18.345	ug/l	99
8) Diethyl Ether	3.38	74	37628	17.168	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52933	16.741	ug/l #	84
10) Methyl Iodide	3.92	142	67669	16.438	ug/l	99
11) Tert butyl alcohol	4.73	59	50744	75.819	ug/l	97
12) 1,1-Dichloroethene	3.70	96	53278	16.635	ug/l	91
13) Acrolein	3.57	56	20607	83.085	ug/l	97
14) Allyl chloride	4.28	41	103999	16.417	ug/l	99
15) Acrylonitrile	4.93	53	144815	85.064	ug/l	98
16) Acetone	3.77	43	127682	82.236	ug/l	97
17) Carbon Disulfide	4.02	76	152833	16.406	ug/l	100
18) Methyl Acetate	4.28	43	68691	17.427	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	201072	16.845	ug/l	100
20) Methylene Chloride	4.51	84	66107	16.805	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	59248	16.697	ug/l	99
22) Diisopropyl ether	5.90	45	223686	17.313	ug/l	93
23) Vinyl Acetate	5.85	43	901727	84.982	ug/l	100
24) 1,1-Dichloroethane	5.80	63	121909	17.283	ug/l	99
25) 2-Butanone	6.78	43	200022	83.765	ug/l	100
26) 2,2-Dichloropropane	6.78	77	87440	14.080	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	69914	17.408	ug/l	98
28) Bromochloromethane	7.15	49	62472	19.181	ug/l	100
29) Tetrahydrofuran	7.17	42	133460	81.833	ug/l	99
30) Chloroform	7.33	83	122716	17.340	ug/l	99
31) Cyclohexane	7.61	56	105228	15.771	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	109032	17.322	ug/l	99
36) 1,1-Dichloropropene	7.75	75	89832	16.635	ug/l	98
37) Ethyl Acetate	6.88	43	88962	16.786	ug/l	99
38) Carbon Tetrachloride	7.73	117	90182	16.360	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	92836	15.840	ug/l	95
40) Benzene	8.00	78	264047	17.129	ug/l	99
41) Methacrylonitrile	7.13	41	41092	17.239	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	106501	17.180	ug/l	99
43) Isopropyl Acetate	8.13	43	150105	15.839	ug/l	99
44) Trichloroethene	8.80	130	64236	17.181	ug/l	92
45) 1,2-Dichloropropane	9.08	63	73008	17.389	ug/l	99
46) Dibromomethane	9.17	93	47038	17.046	ug/l	99
47) Bromodichloromethane	9.37	83	96142	16.771	ug/l	99
48) Methyl methacrylate	9.16	41	76026	16.329	ug/l	98
49) 1,4-Dioxane	9.17	88	21101	315.806	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	450542	84.921	ug/l	99
52) Toluene	10.13	92	162188	17.500	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	100567	15.714	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	109378	16.203	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	64816	17.607	ug/l	96
56) Ethyl methacrylate	10.40	69	96798	16.843	ug/l	98
57) 1,3-Dichloropropane	10.68	76	110461	16.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	258856	85.863	ug/l	99
59) 2-Hexanone	10.72	43	324280	84.368	ug/l	99
60) Dibromochloromethane	10.87	129	67636	16.263	ug/l	98
61) 1,2-Dibromoethane	10.98	107	65960	17.246	ug/l	100
64) Tetrachloroethene	10.60	164	56426	17.934	ug/l	99
65) Chlorobenzene	11.41	112	166579	16.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61858	17.205	ug/l	99
67) Ethyl Benzene	11.49	91	314664	17.035	ug/l	99
68) m/p-Xylenes	11.60	106	229605	34.476	ug/l	97
69) o-Xylene	11.92	106	108775	17.146	ug/l	99
70) Styrene	11.94	104	183994	17.294	ug/l	99
71) Bromoform	12.10	173	42932	16.028	ug/l #	99
73) Isopropylbenzene	12.23	105	291073	17.182	ug/l	100
74) N-amyl acetate	12.05	43	131823	16.438	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	89526	17.067	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	85405m	16.322	ug/l	
77) Bromobenzene	12.50	156	68281	17.918	ug/l	97
78) n-propylbenzene	12.57	91	341283	17.296	ug/l	99
79) 2-Chlorotoluene	12.65	91	209684	17.728	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	248460	17.588	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	29021	15.206	ug/l	99
82) 4-Chlorotoluene	12.75	91	214565	17.169	ug/l	100
83) tert-Butylbenzene	12.97	119	200284	17.178	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	251008	17.591	ug/l	99
85) sec-Butylbenzene	13.15	105	266228	17.059	ug/l	99
86) p-Isopropyltoluene	13.26	119	241008	17.508	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	122720	17.375	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	124510	17.339	ug/l	98
89) n-Butylbenzene	13.59	91	211464	16.666	ug/l	99
90) Hexachloroethane	13.85	117	41509	15.836	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	121642	17.542	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19895	15.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	69404	16.977	ug/l	98
94) Hexachlorobutadiene	14.98	225	30522	18.035	ug/l	98
95) Naphthalene	15.10	128	221023	16.365	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	66160	16.749	ug/l	99

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

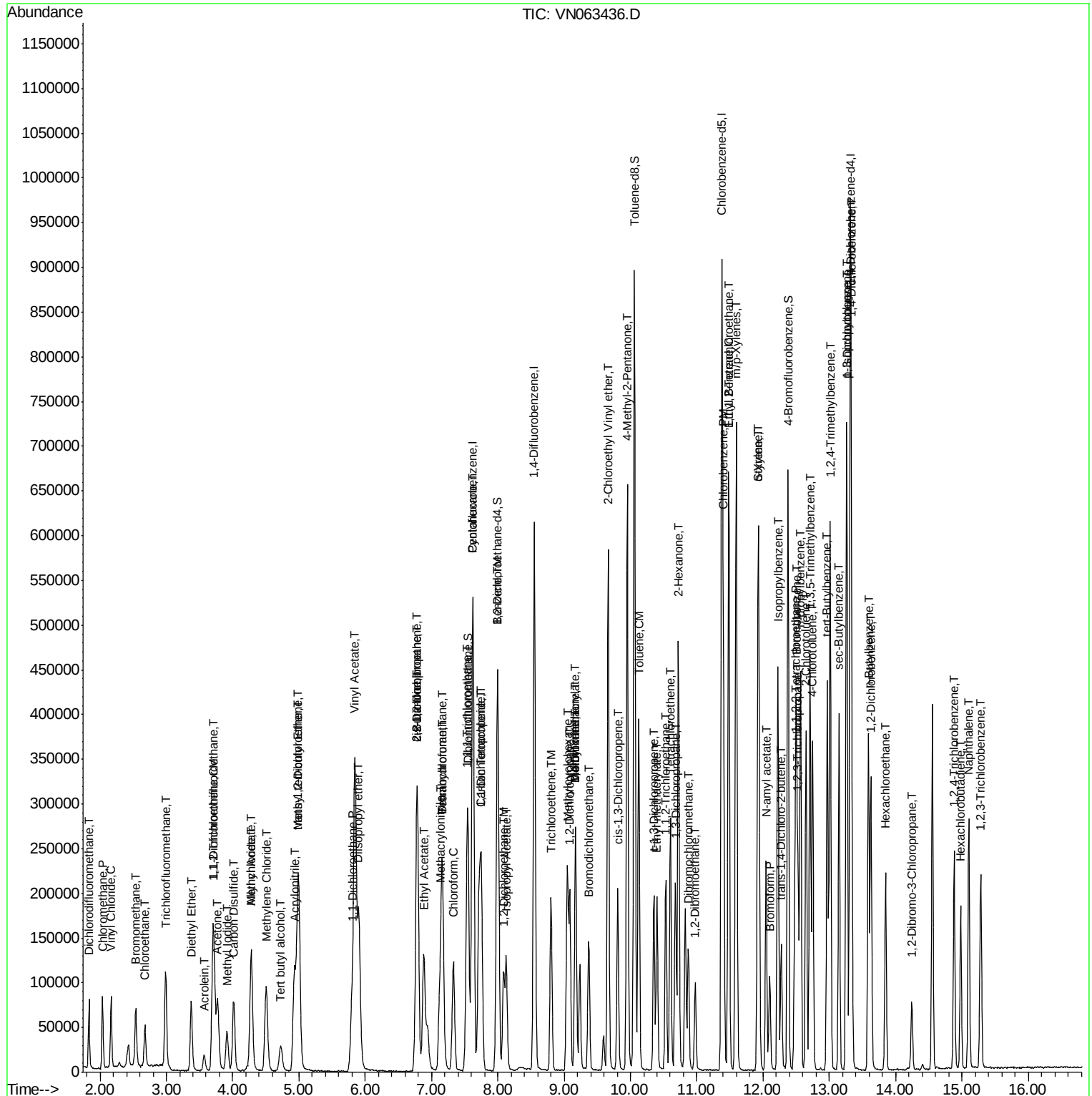
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Data File : VN063436.D
Acq On : 17 Sep 2020 22:47
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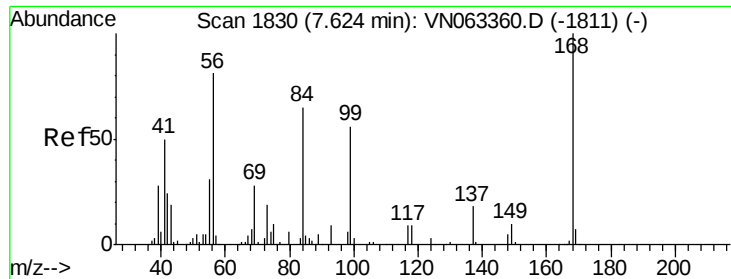
Instrument :
MSVOA_N
Client Sample ID :
VN0917MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion:168 Resp: 283803

Ion Ratio Lower Upper

168 100

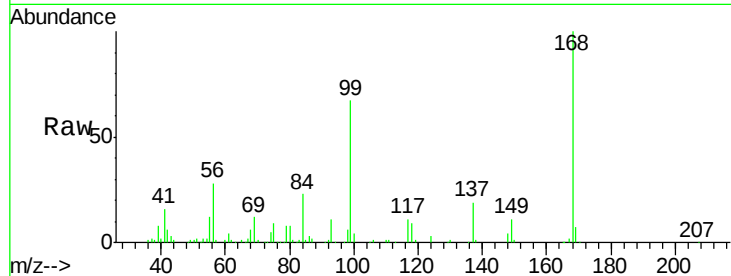
99 66.9 53.0 79.6

Manual Integrations

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9/18/2020 10:02:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

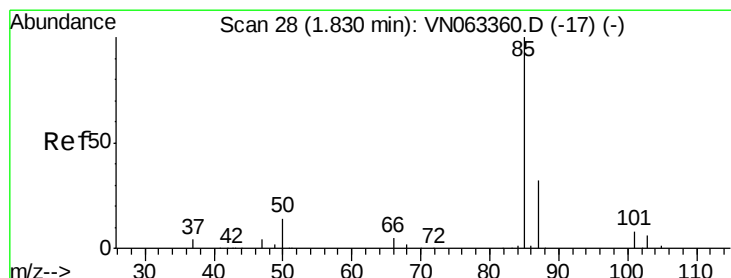
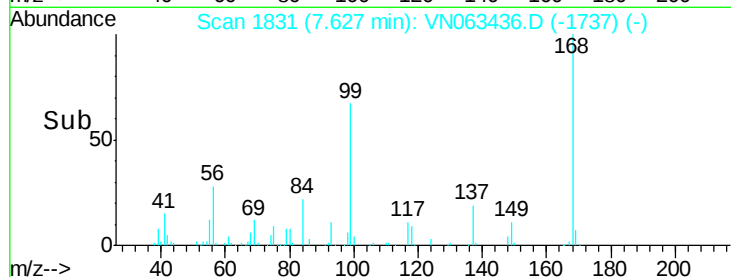
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.641 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063436.D

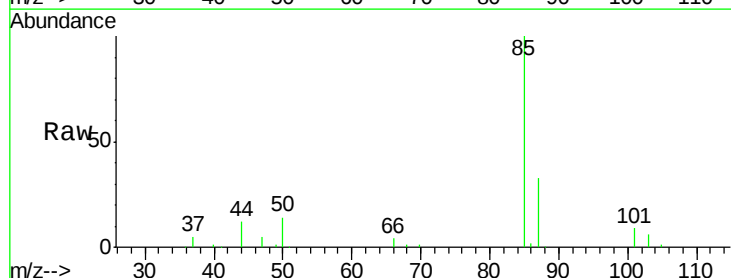
Acq: 17 Sep 2020 22:47

Tgt Ion: 85 Resp: 53505

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

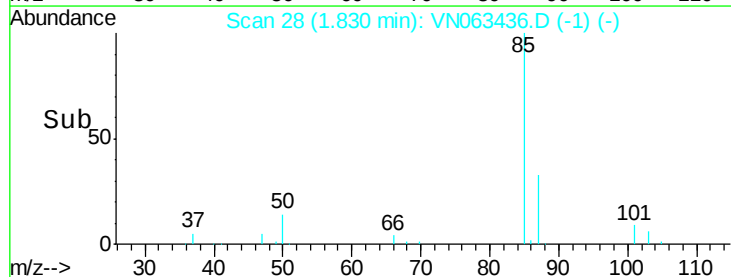
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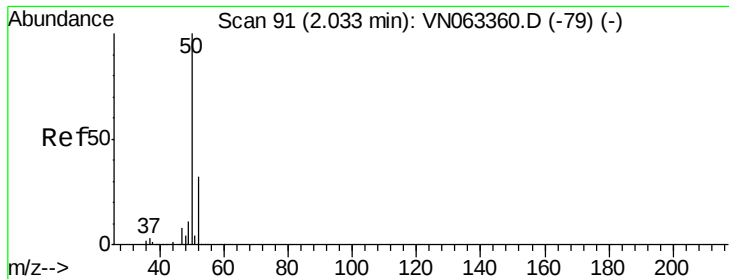
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.386 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 50 Resp: 69695

Ion Ratio Lower Upper

50 100

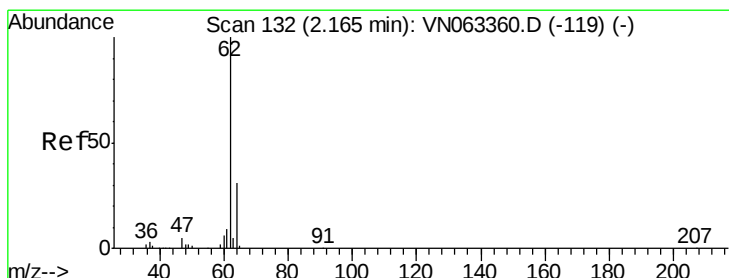
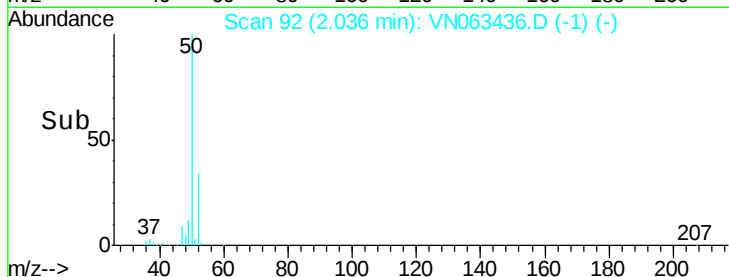
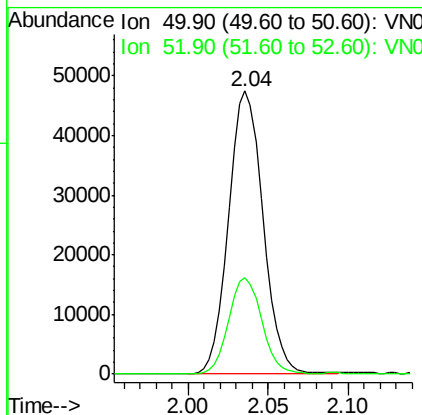
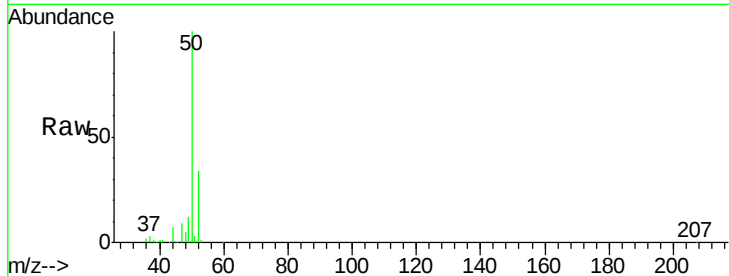
52 34.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.749 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063436.D

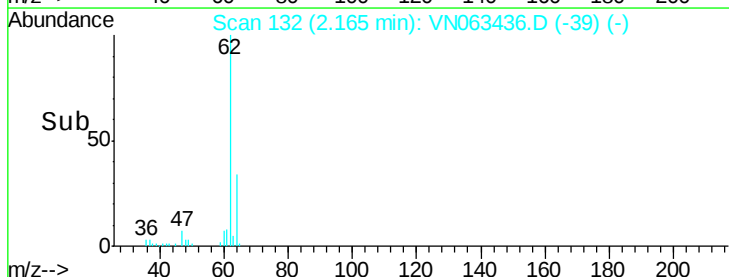
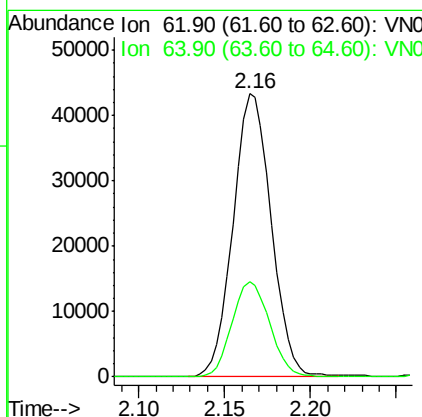
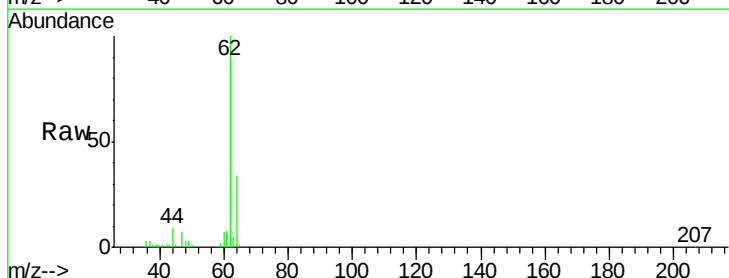
Acq: 17 Sep 2020 22:47

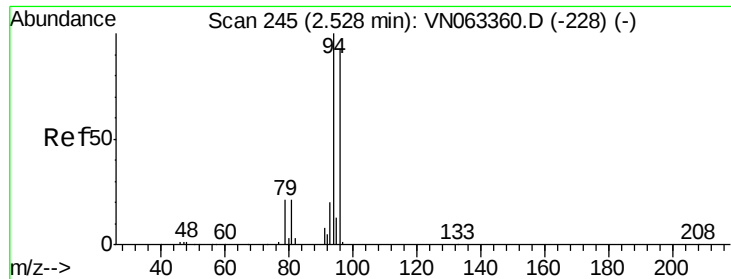
Tgt Ion: 62 Resp: 66887

Ion Ratio Lower Upper

62 100

64 33.8 25.1 37.7





#5

Bromomethane

Concen: 18.824 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 42119

Ion Ratio Lower Upper

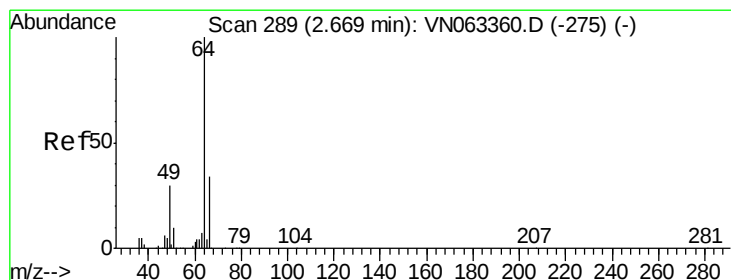
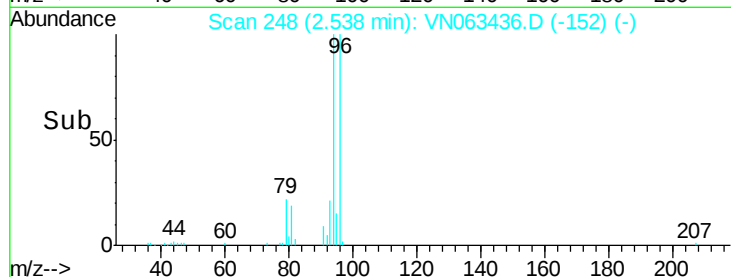
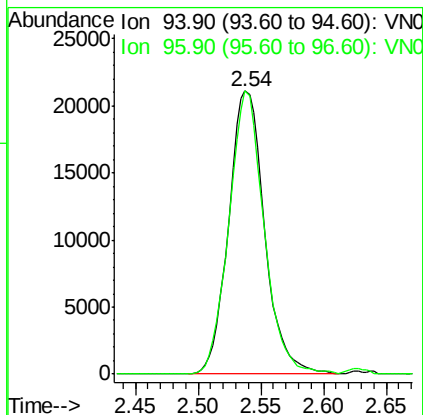
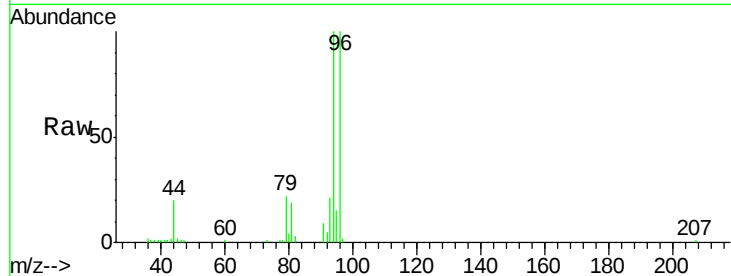
94 100

96 100.0 74.5 111.7

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#6

Chloroethane

Concen: 17.500 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063436.D

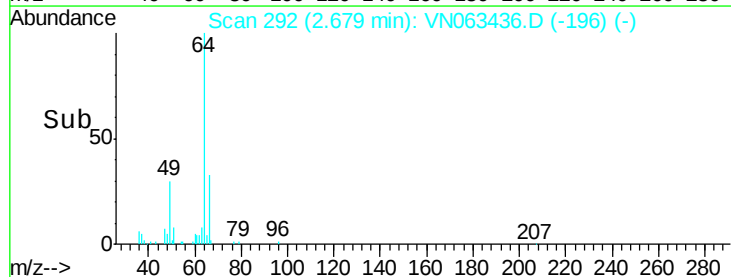
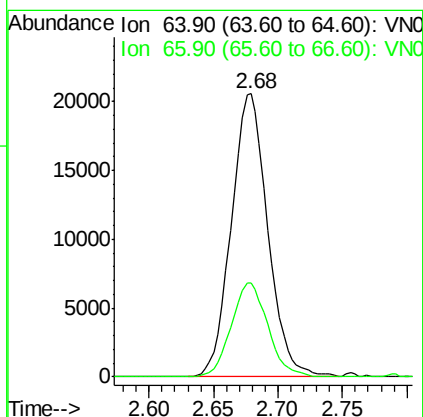
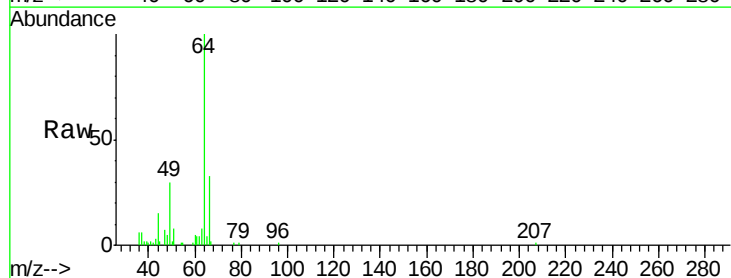
Acq: 17 Sep 2020 22:47

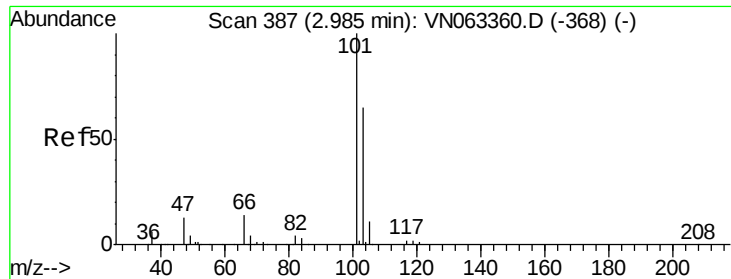
Tgt Ion: 64 Resp: 40481

Ion Ratio Lower Upper

64 100

66 33.2 26.9 40.3





#7

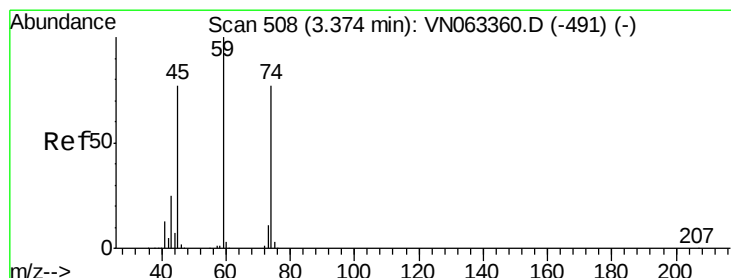
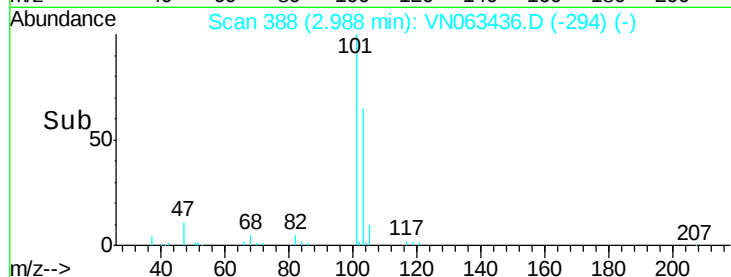
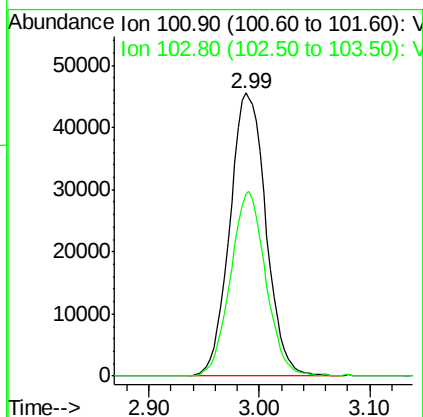
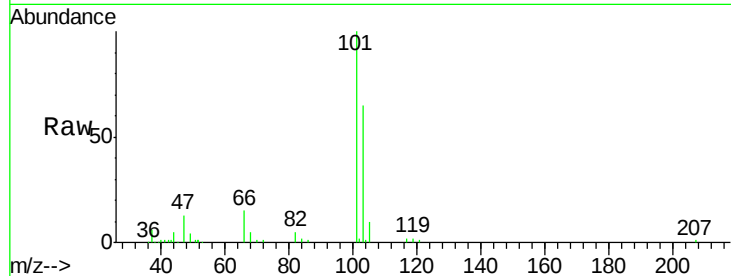
Trichlorofluoromethane
Concen: 18.345 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
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ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.3	78.5

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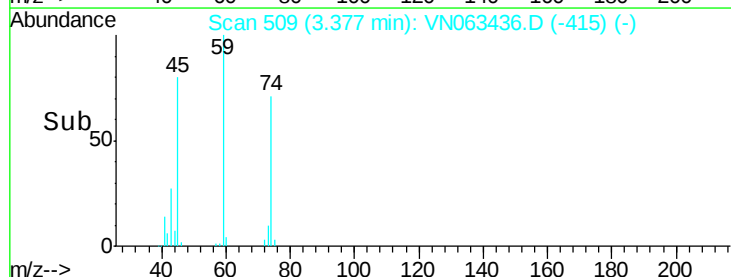
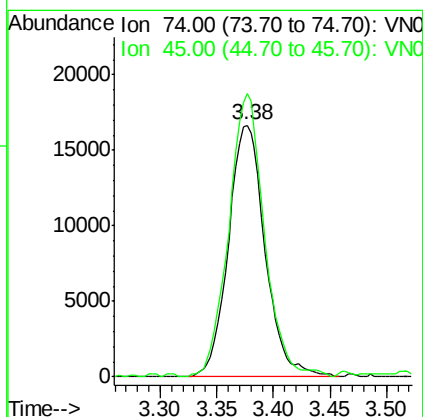
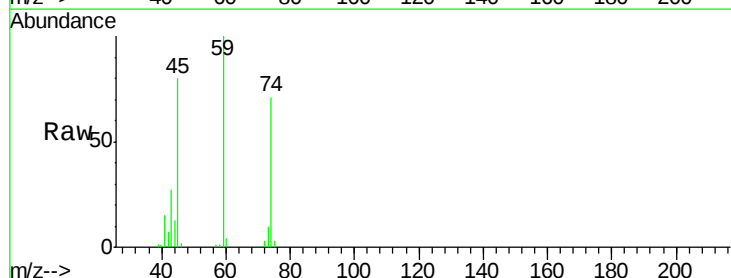
MMDadoda
9/18/2020 10:02:57 AM

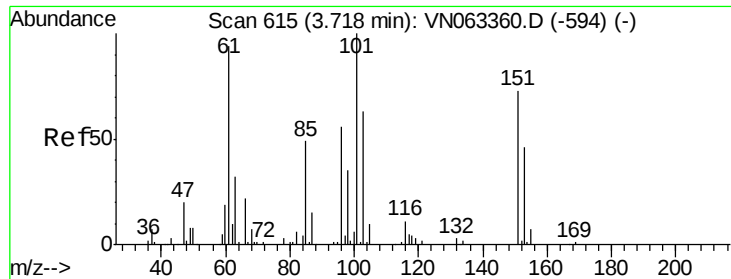


#8

Diethyl Ether
Concen: 17.168 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.4	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.741 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

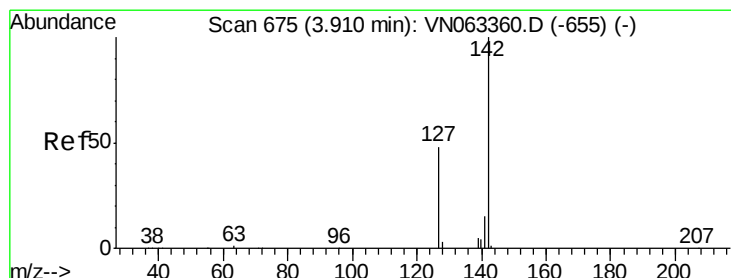
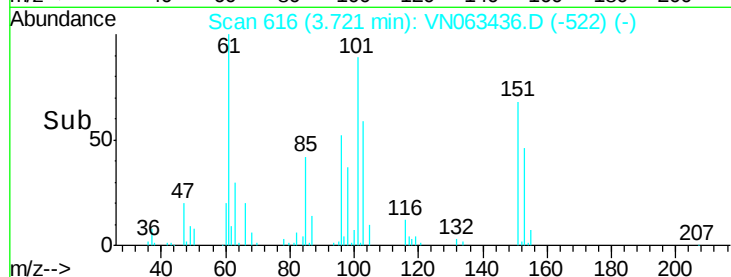
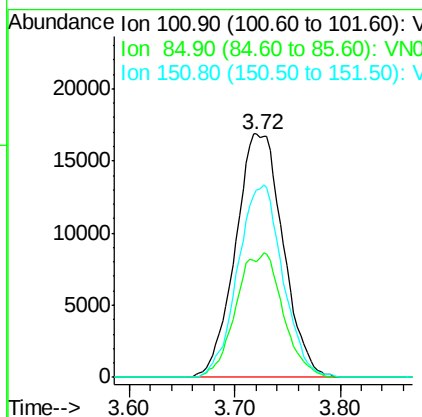
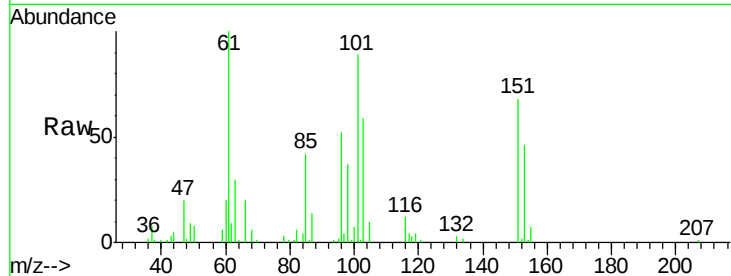
ClientSampled :

VN0917MBS01

Tot Ion:	101	Resp:	52933
Ion Ratio	Lower	Upper	
101	100		
85	23.9	37.7	56.5#
151	74.6	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.438 ug/l

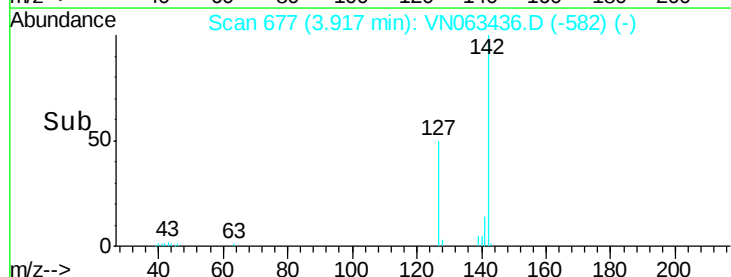
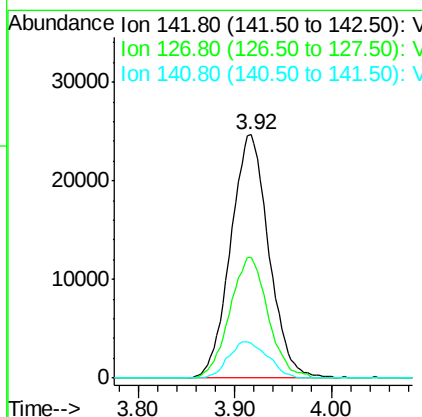
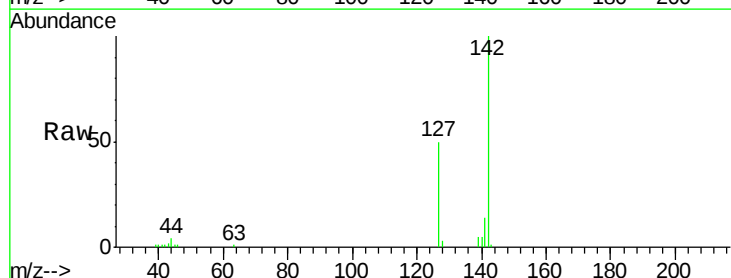
RT: 3.92 min Scan# 677

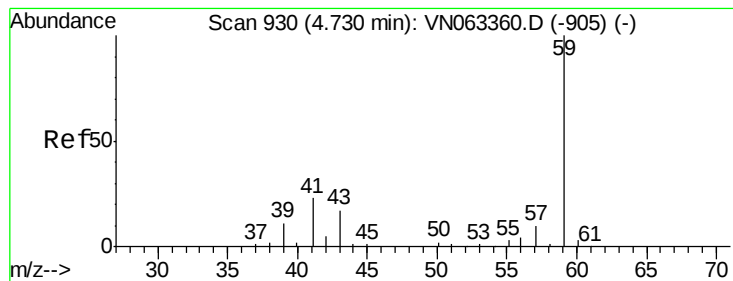
Delta R.T. 0.01 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion:	142	Resp:	67669
Ion Ratio	Lower	Upper	
142	100		
127	49.7	39.0	58.6
141	15.3	11.6	17.4





#11

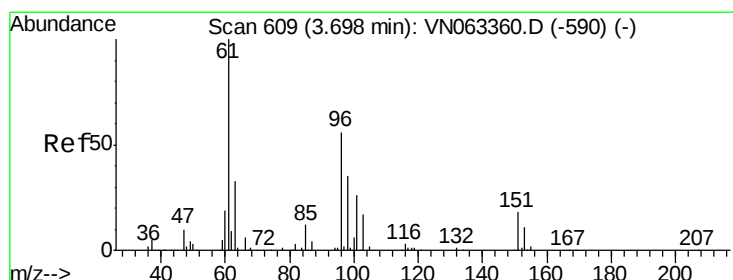
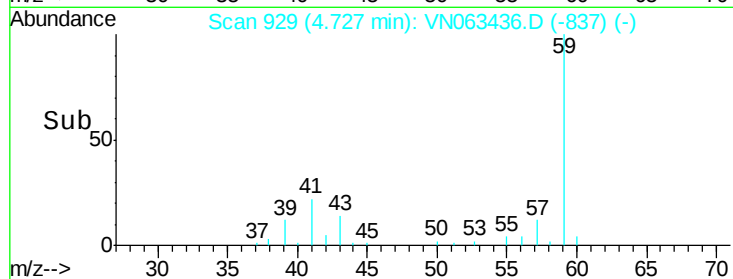
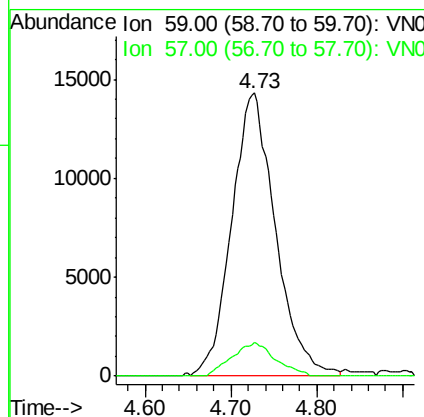
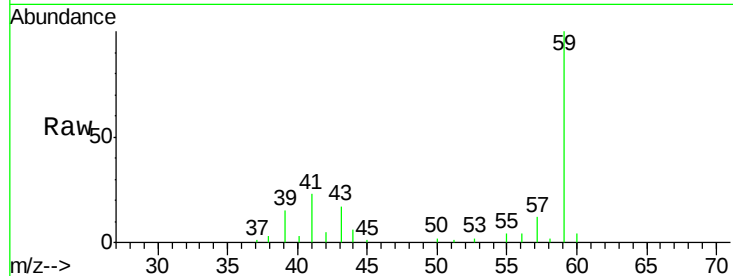
Tert butyl alcohol
Concen: 75.819 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	59	57	Ratio	100	11.7	Resp	50744	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	11.7	Resp	50744	Lower	8.4	Upper	12.6

Manual Integrations
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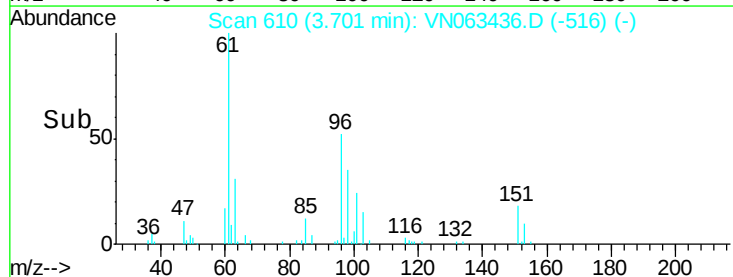
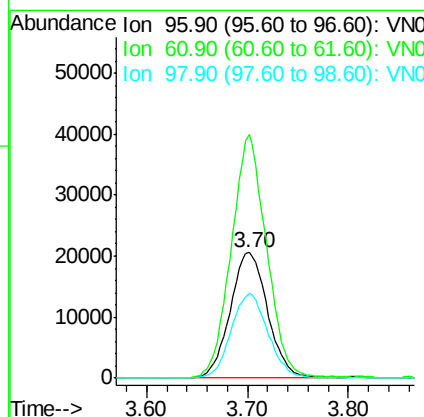
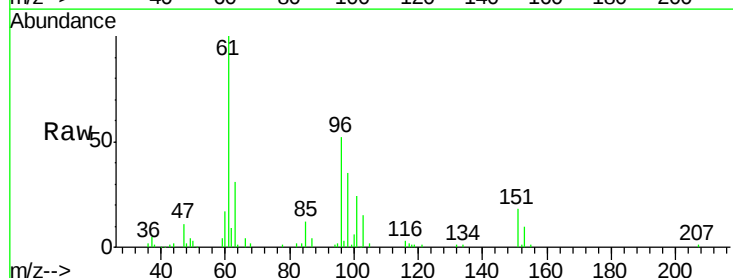
MMDadoda
9/18/2020 10:02:57 AM

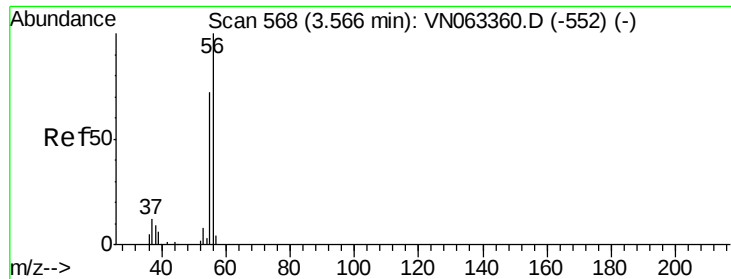


#12

1,1-Dichloroethene
Concen: 16.635 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	96	61	98	Ratio	100	194.0	67.6	Resp	53278	Lower	143.4	50.6	Upper	215.2	76.0
Ion	96	61	98	Ratio	100	194.0	67.6	Resp	53278	Lower	143.4	50.6	Upper	215.2	76.0





#13

Acrolein

Concen: 83.085 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 56 Resp: 20607

Ion Ratio Lower Upper

56 100

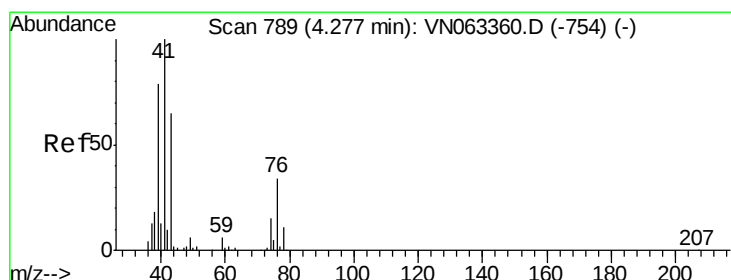
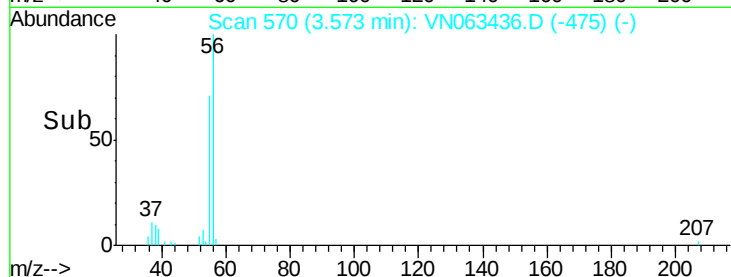
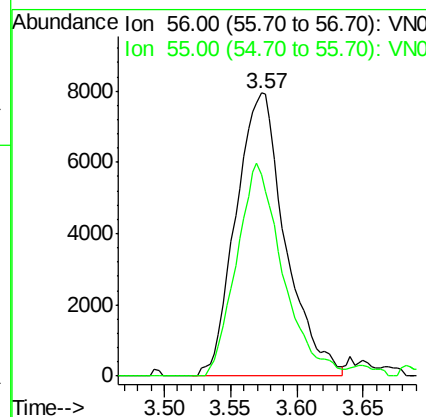
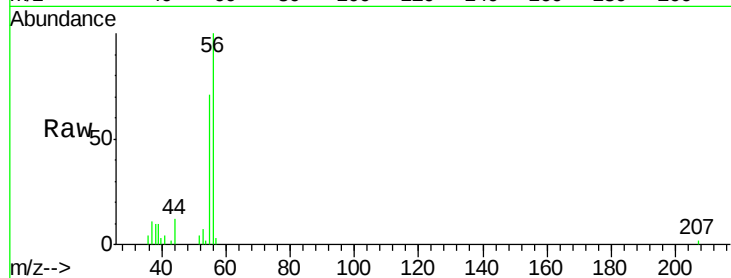
55 69.9 58.2 87.2

Manual Integrations

APPROVED

MMDadoda

9/18/2020 10:02:57 AM



#14

Allyl chloride

Concen: 16.417 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

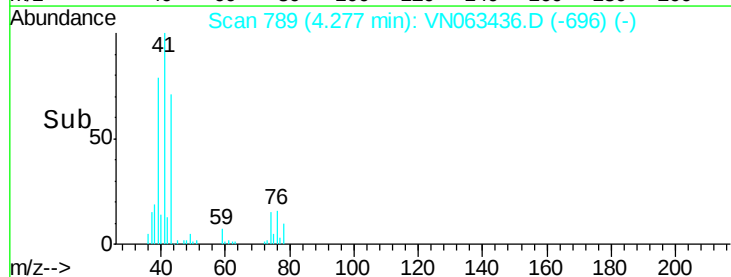
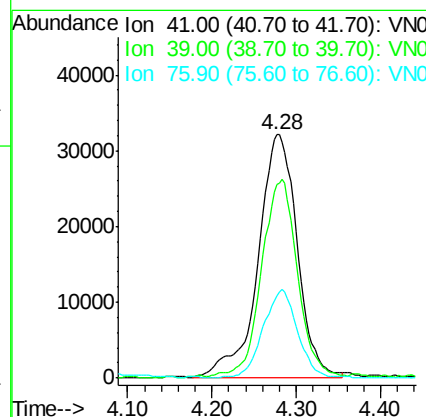
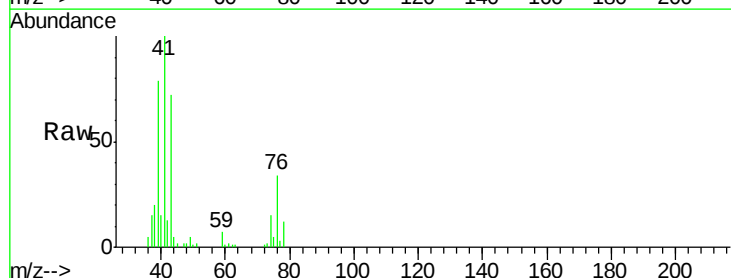
Tgt Ion: 41 Resp: 103999

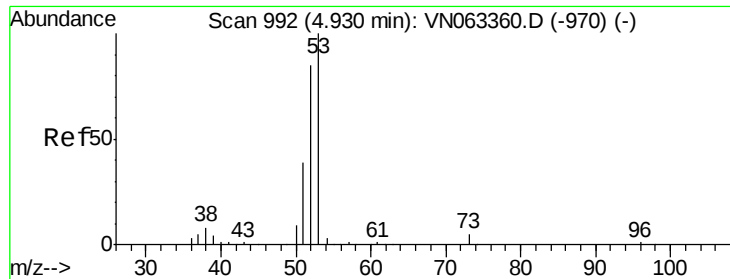
Ion Ratio Lower Upper

41 100

39 72.5 59.3 88.9

76 31.9 25.3 37.9





#15

Acrylonitrile

Concen: 85.064 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

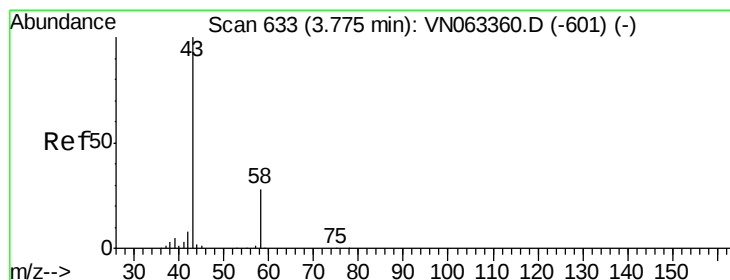
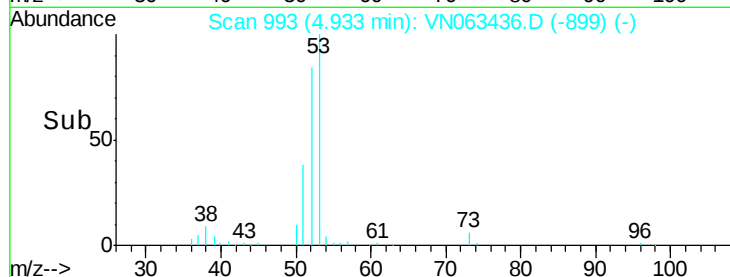
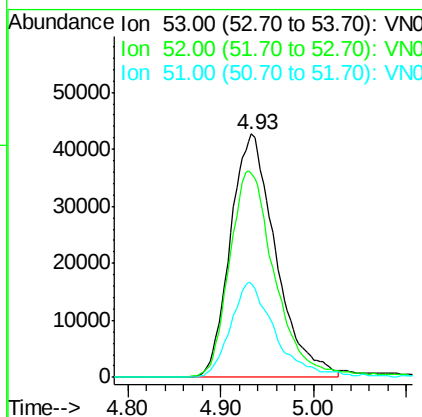
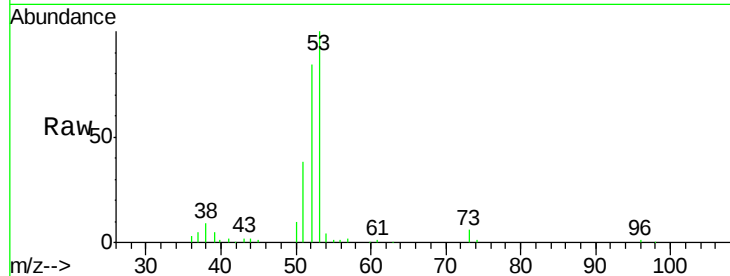
ClientSampleId :

VN0917MBS01

Tot Ion:	53	Resp:	144815
Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.4	99.6
51	37.2	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 82.236 ug/l

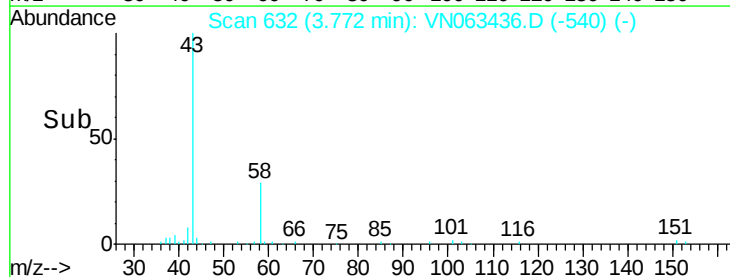
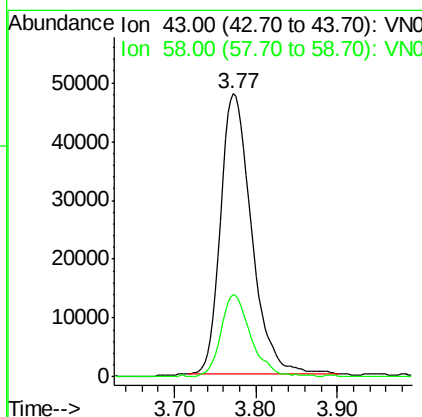
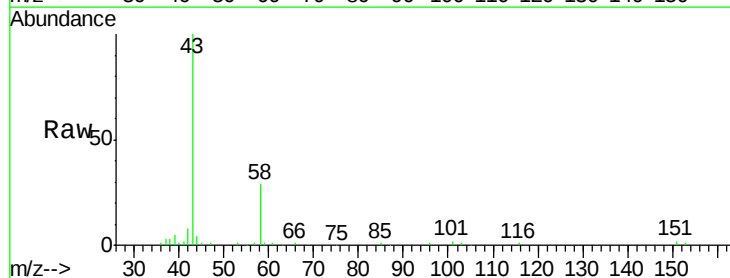
RT: 3.77 min Scan# 632

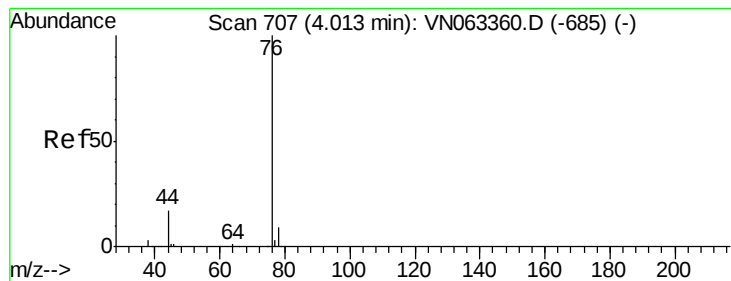
Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion:	43	Resp:	127682
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.3	33.5





#17

Carbon Disulfide

Concen: 16.406 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 76 Resp: 152833

Ion Ratio Lower Upper

76 100

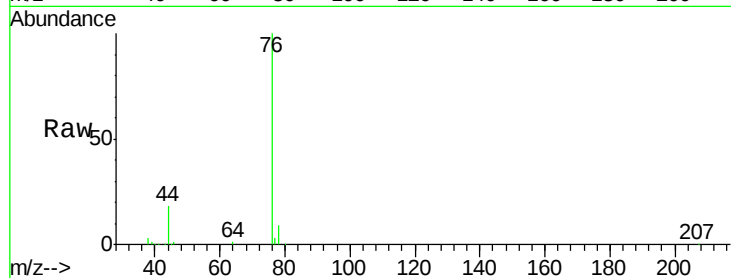
78 9.1 7.2 10.8

Manual Integrations

APPROVED

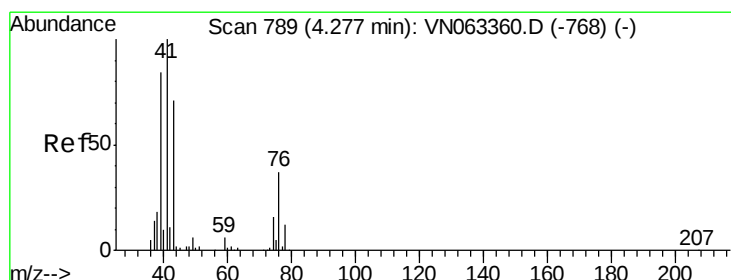
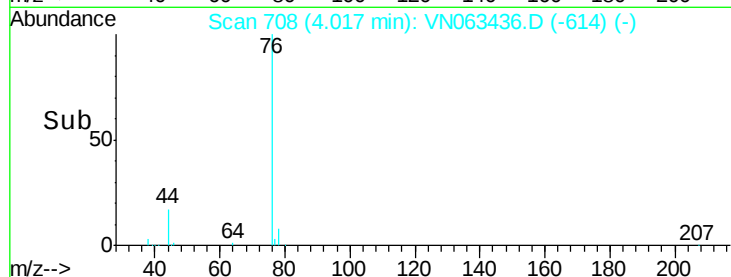
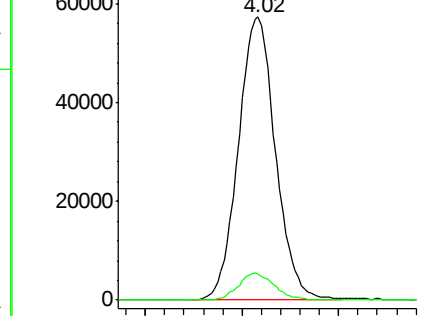
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.427 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063436.D

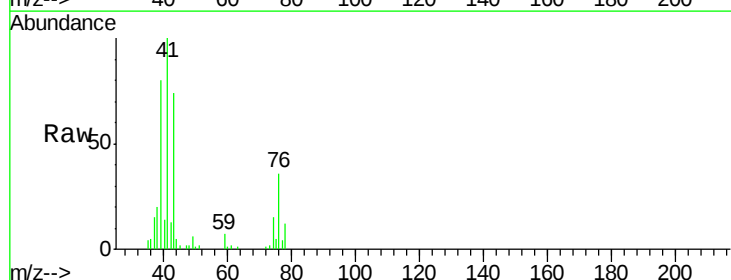
Acq: 17 Sep 2020 22:47

Tgt Ion: 43 Resp: 68691

Ion Ratio Lower Upper

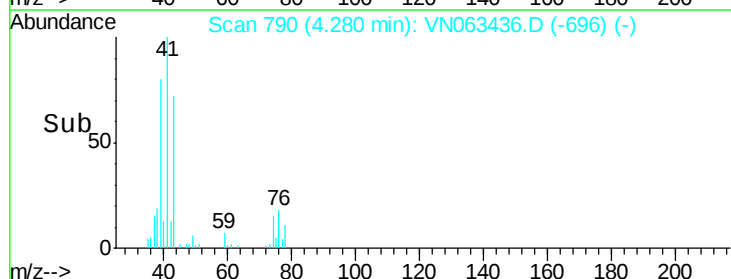
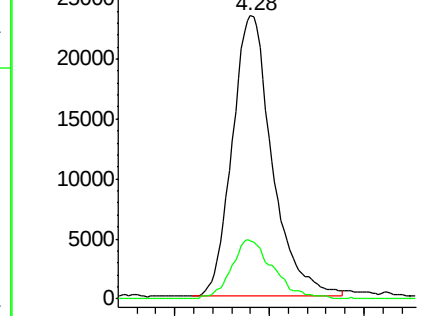
43 100

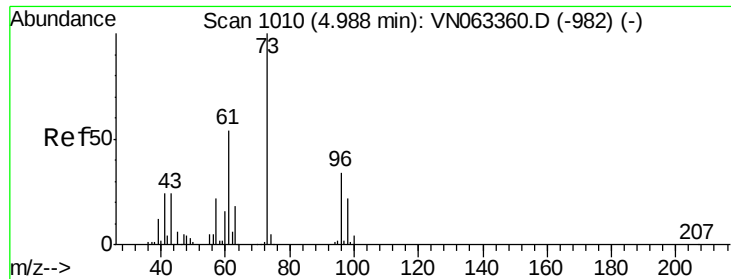
74 21.7 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





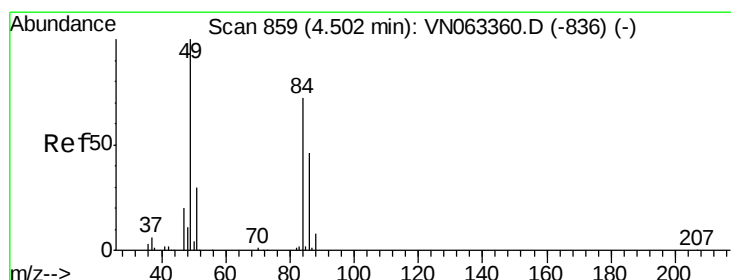
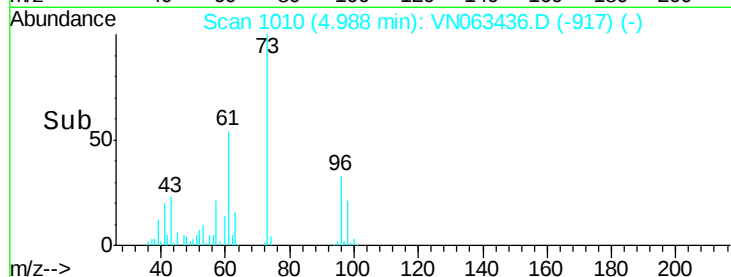
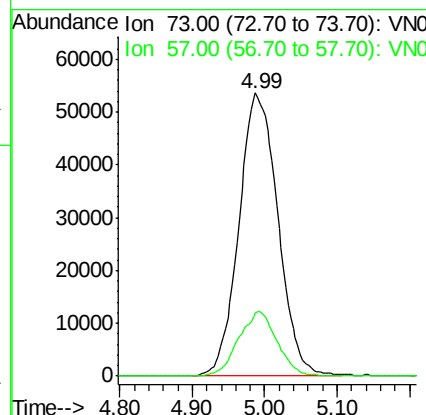
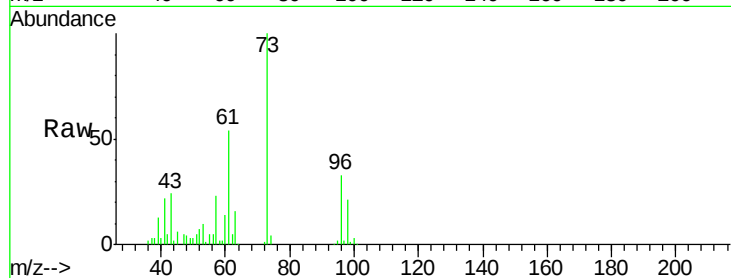
#19
Methvl tert-butvl Ether
Concen: 16.845 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion: 73 Resp: 201072
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

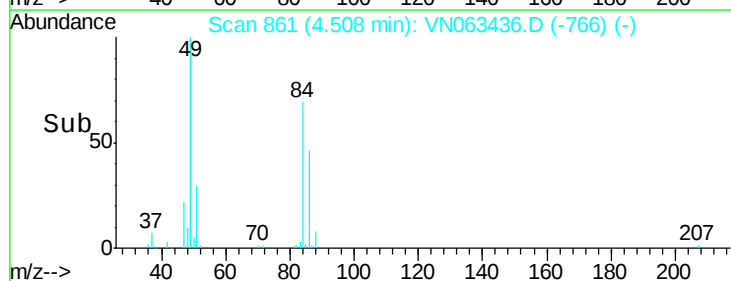
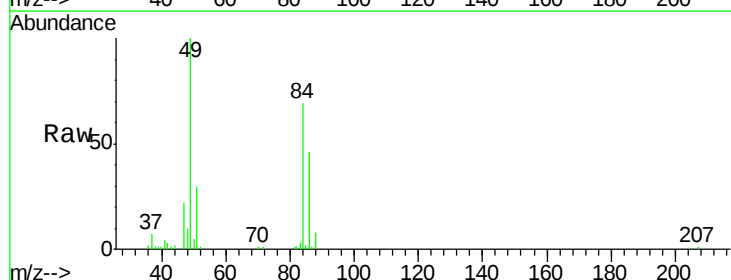
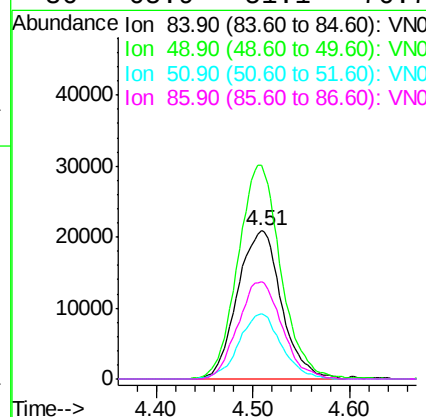
Manual Integrations
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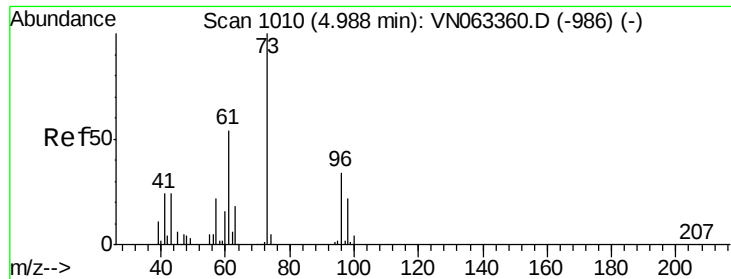
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#20
Methylene Chloride
Concen: 16.805 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion: 84 Resp: 66107
Ion Ratio Lower Upper
84 100
49 143.1 110.7 166.1
51 43.9 32.9 49.3
86 65.9 51.1 76.7





#21

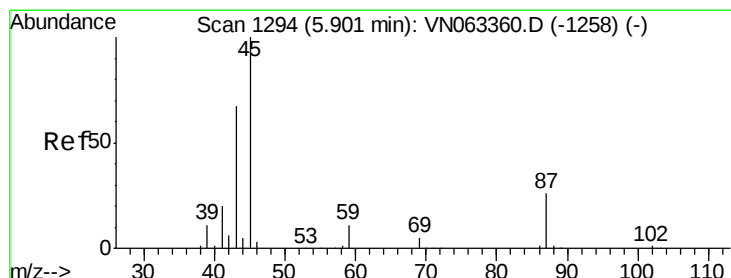
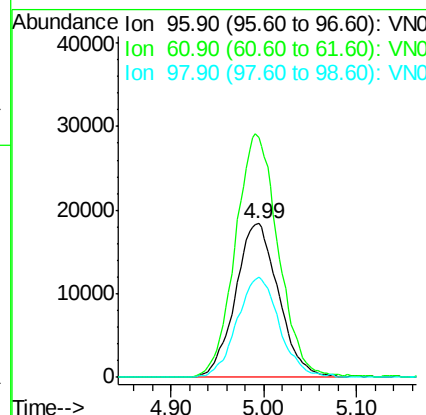
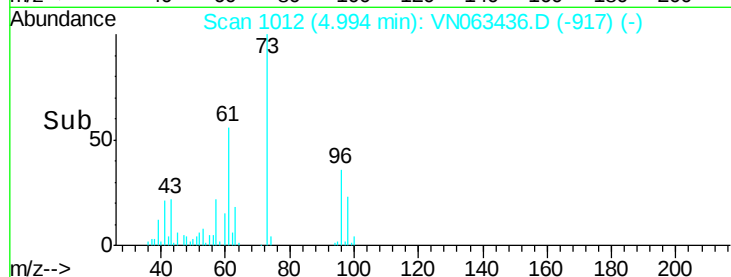
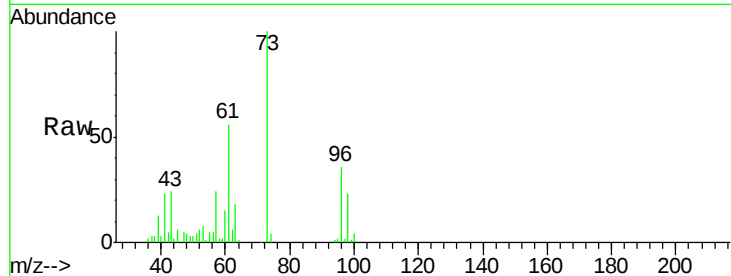
trans-1,2-Dichloroethene
Concen: 16.697 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	126.2	189.4
98	65.0	51.0	76.4

Manual Integrations
APPROVED

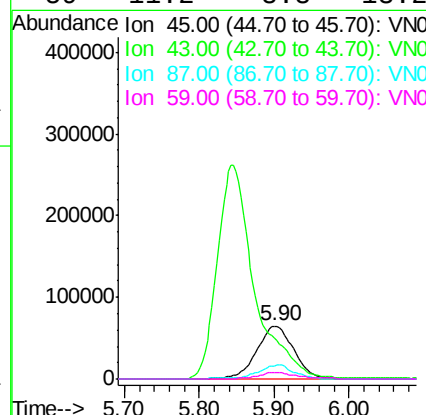
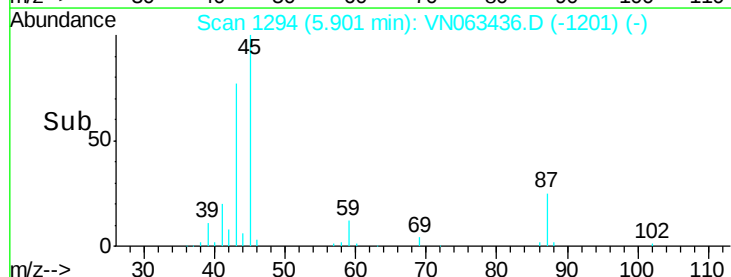
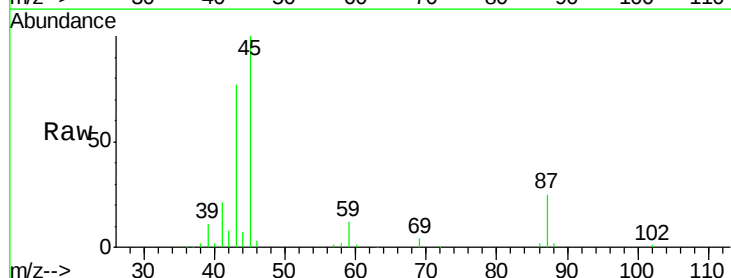
MMDadoda
9/18/2020 10:02:57 AM

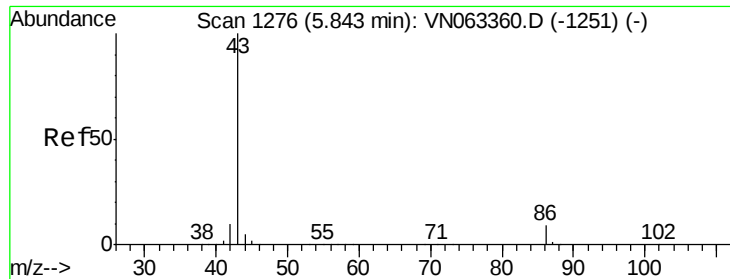


#22

Diisopropyl ether
Concen: 17.313 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.3	53.5	80.3
87	25.1	21.2	31.8
59	11.2	8.8	13.2





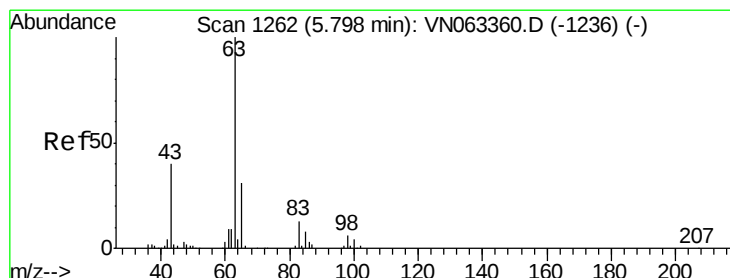
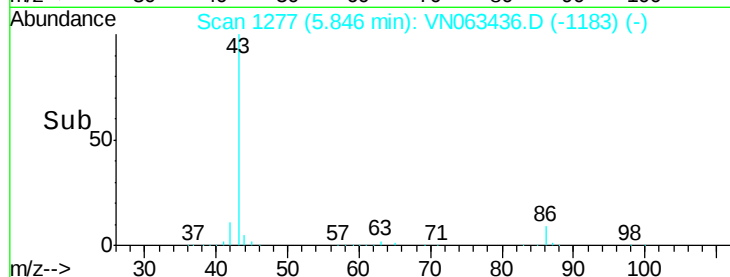
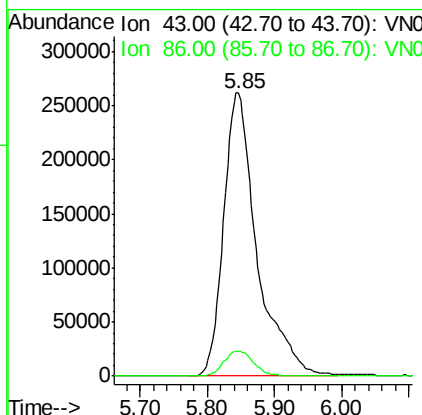
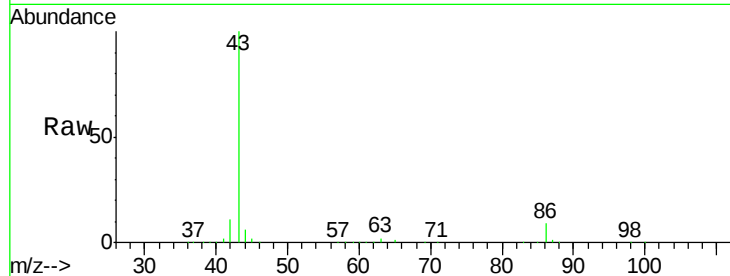
#23
 Vinyl Acetate
 Concen: 84.982 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBS01

Tot Ion	43	Resp	901727
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	7.1	10.7

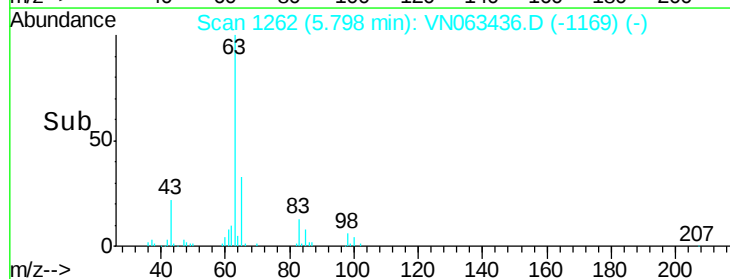
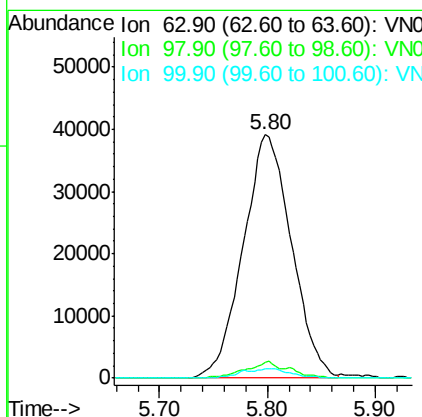
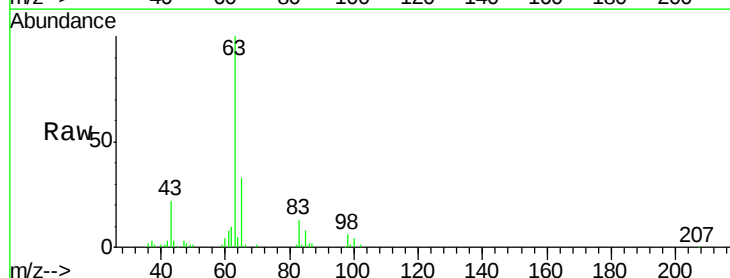
Manual Integrations
 APPROVED

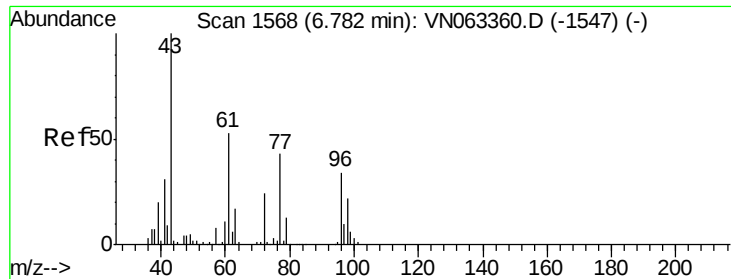
MMDadoda
 9/18/2020 10:02:57 AM



#24
 1,1-Dichloroethane
 Concen: 17.283 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Tgt Ion	63	Resp	121909
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	2.9	8.8
100	3.7	2.1	6.3





#25

2-Butanone

Concen: 83.765 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 43 Resp: 200022

Ion Ratio Lower Upper

43 100

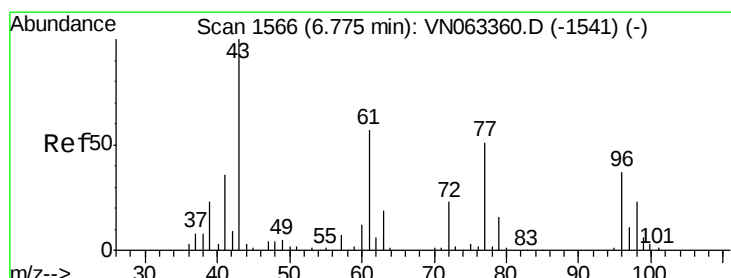
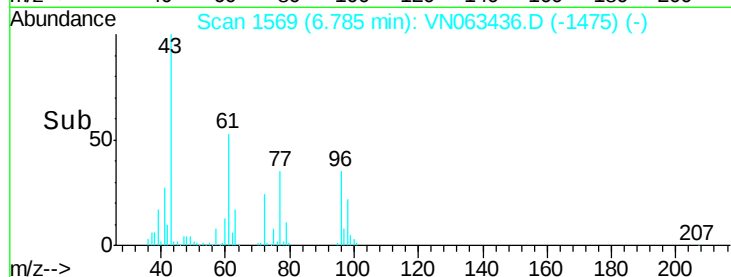
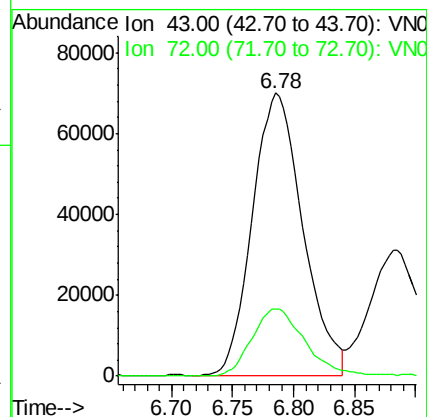
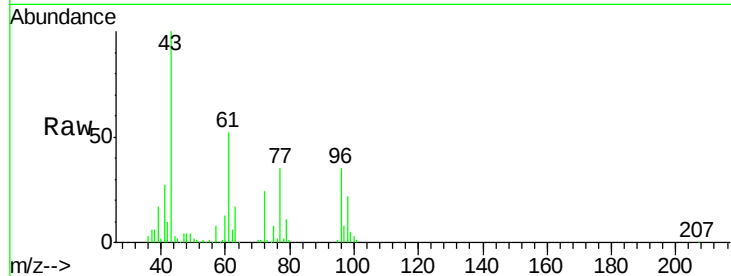
72 23.8 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/18/2020 10:02:57 AM



#26

2,2-Dichloropropane

Concen: 14.080 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063436.D

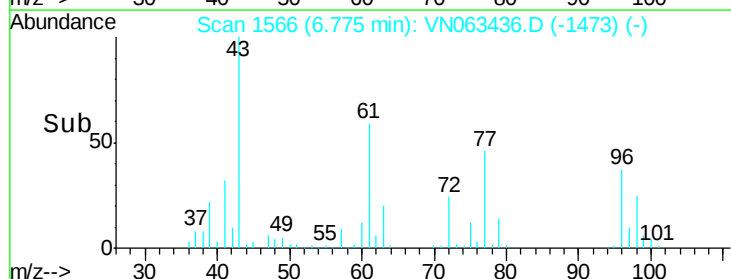
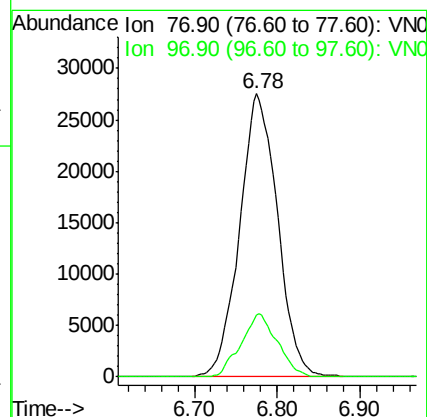
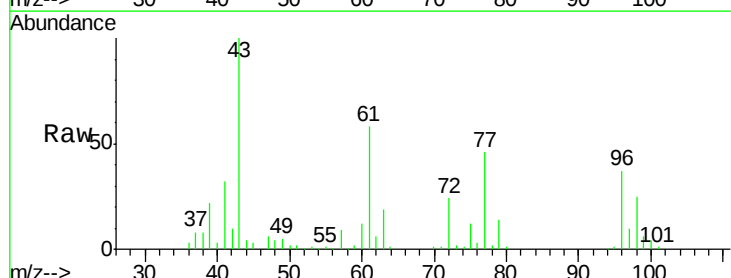
Acq: 17 Sep 2020 22:47

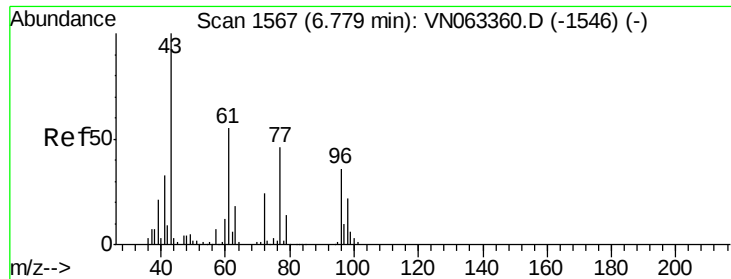
Tgt Ion: 77 Resp: 87440

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 17.408 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063436.D

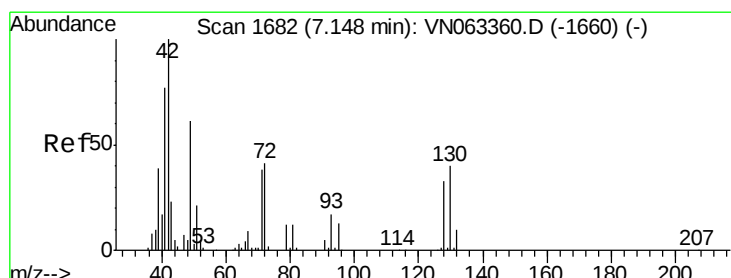
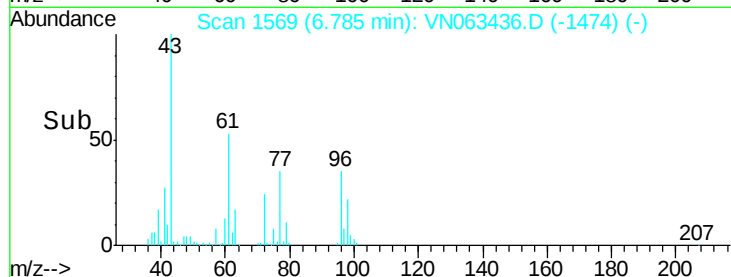
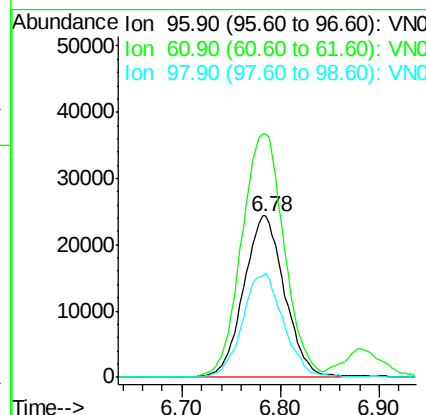
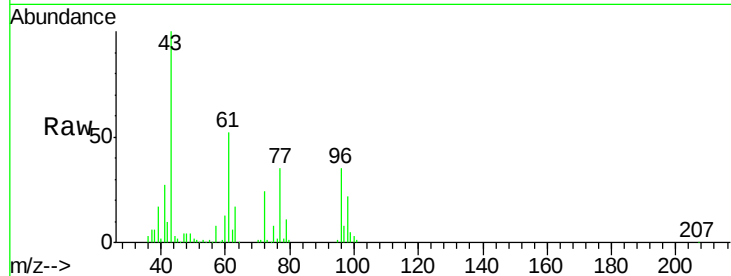
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	69914		
61	156.8		0.0	319.6
98	64.6		0.0	127.8

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#28

Bromochloromethane

Concen: 19.181 ug/l

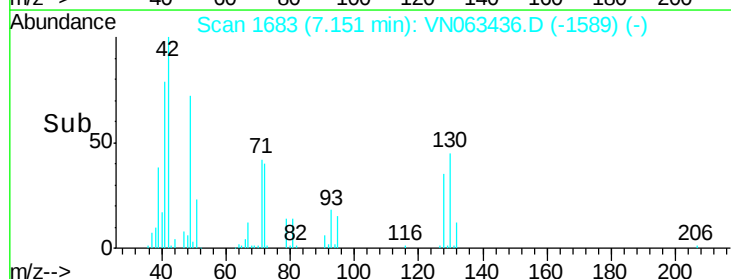
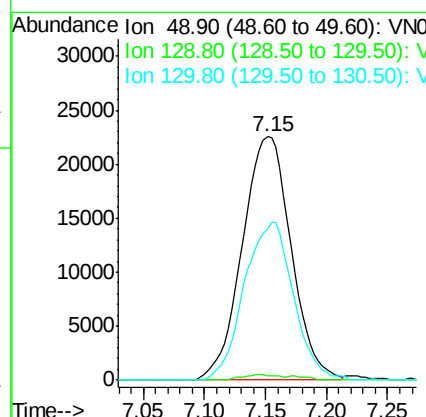
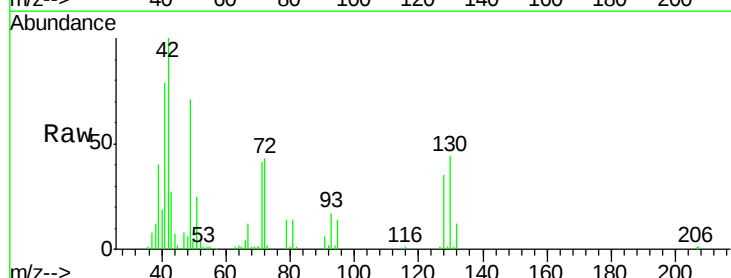
RT: 7.15 min Scan# 1683

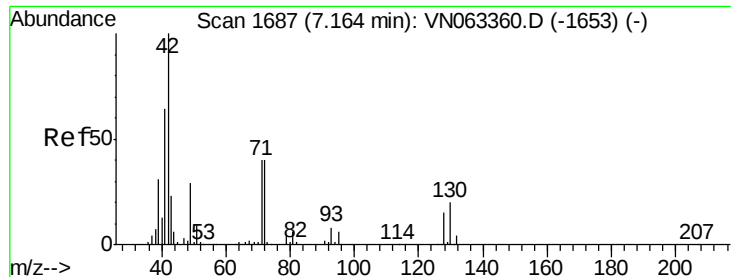
Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62472		
129	1.5		0.0	3.8
130	65.3		52.2	78.2





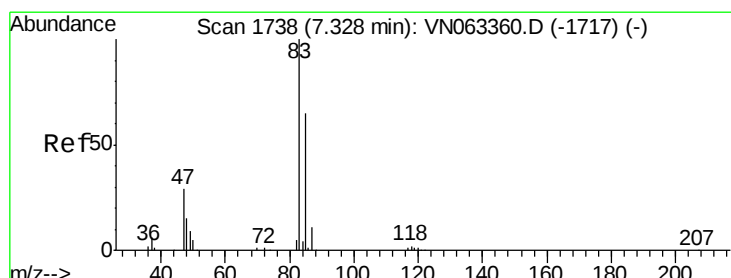
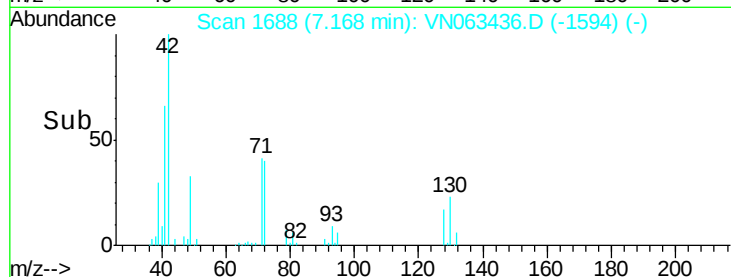
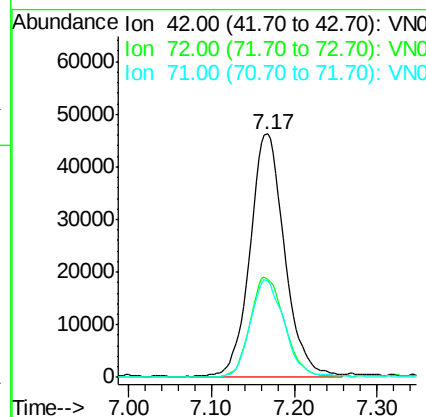
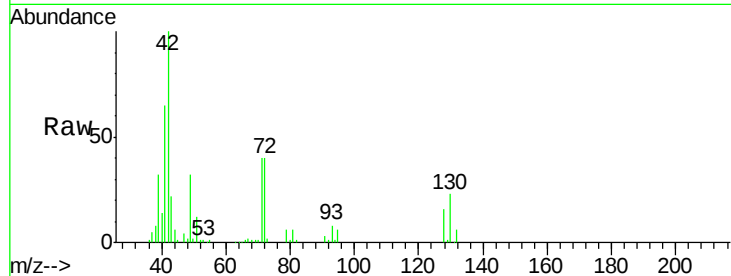
#29
Tetrahydrofuran
Concen: 81.833 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.1	48.1
71	39.7	31.2	46.8

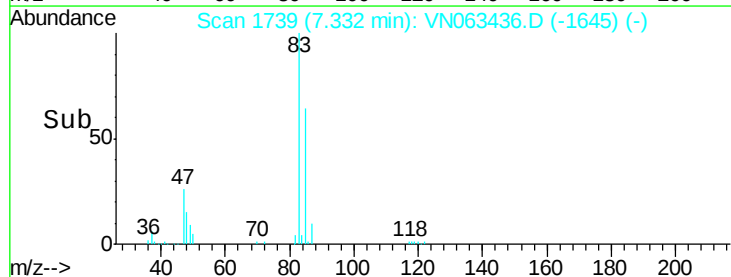
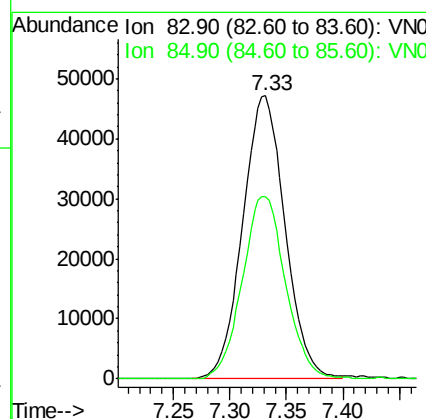
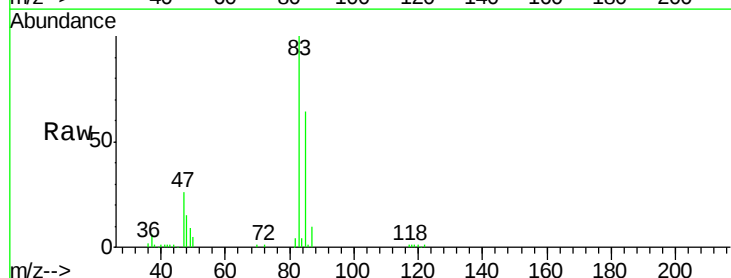
Manual Integrations
APPROVED

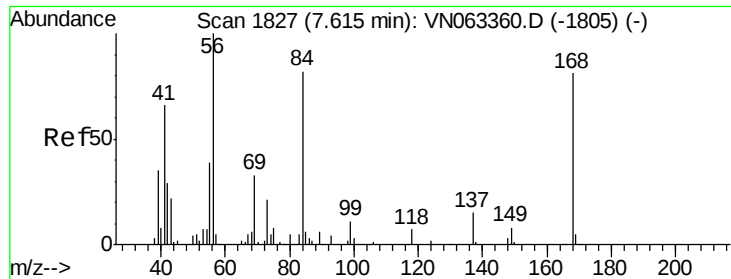
MMDadoda
9/18/2020 10:02:57 AM



#30
Chloroform
Concen: 17.340 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1





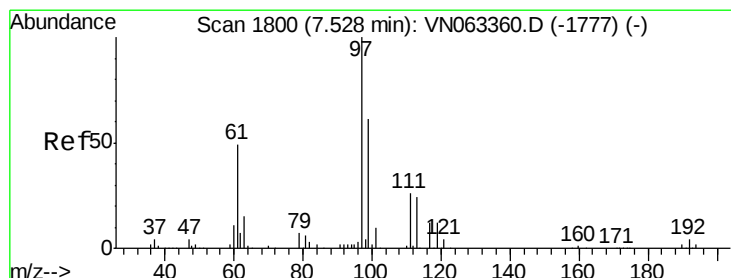
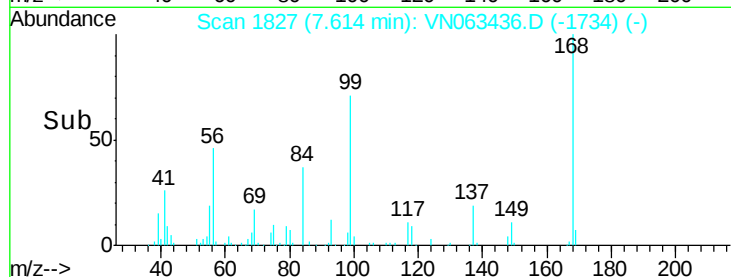
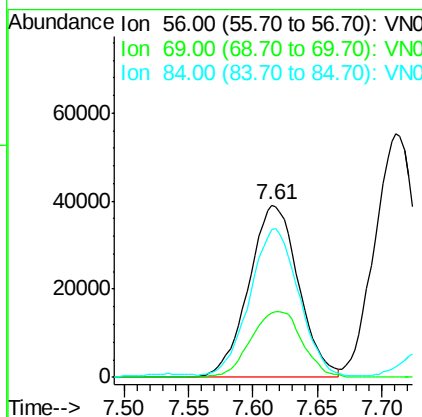
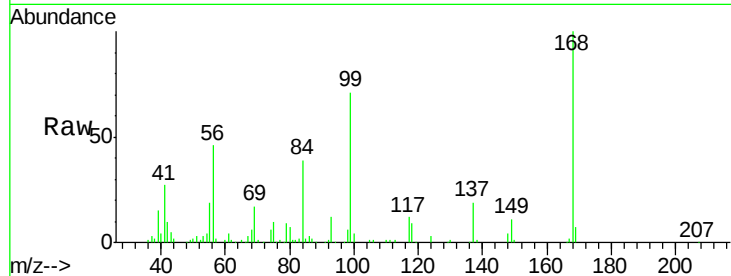
#31
Cvclohexane
Concen: 15.771 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.1	39.1
84	83.7	65.4	98.2

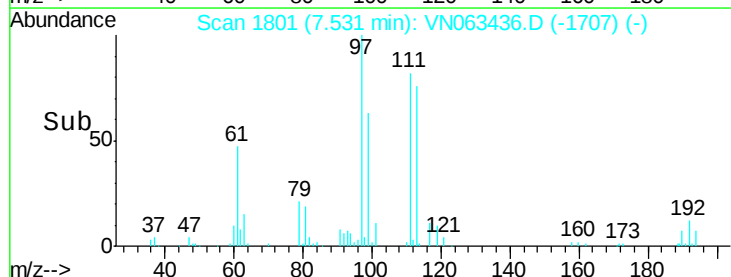
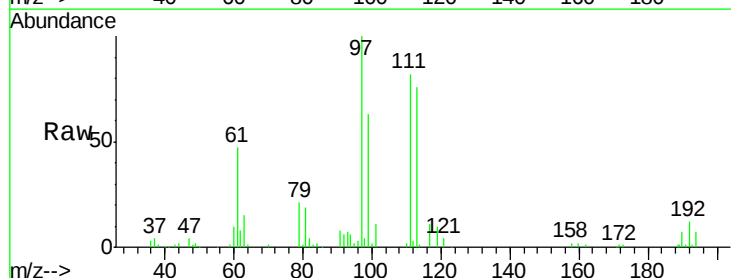
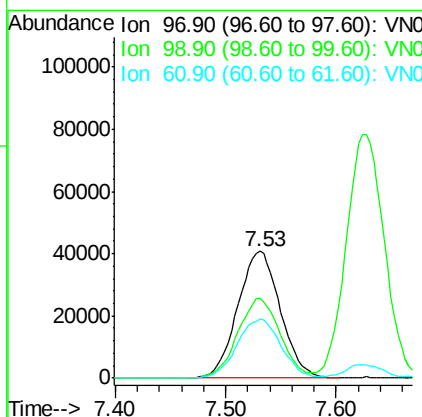
Manual Integrations
APPROVED

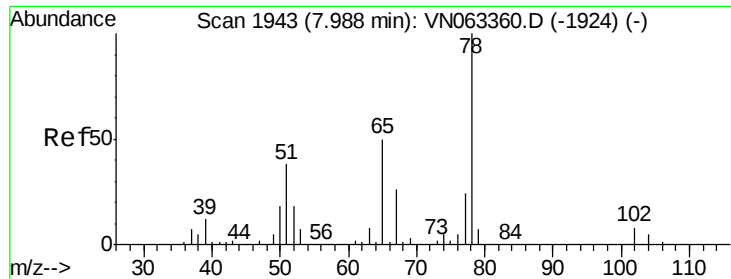
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.322 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	50.6	76.0
61	48.1	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 46.044 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 65 Resp: 222443

Ion Ratio Lower Upper

65 100

67 51.5

0.0

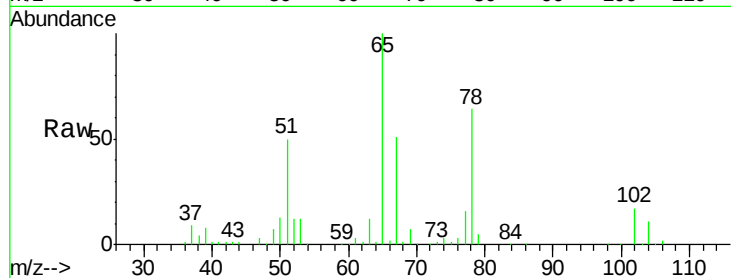
104.2

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Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

7.99

100000

80000

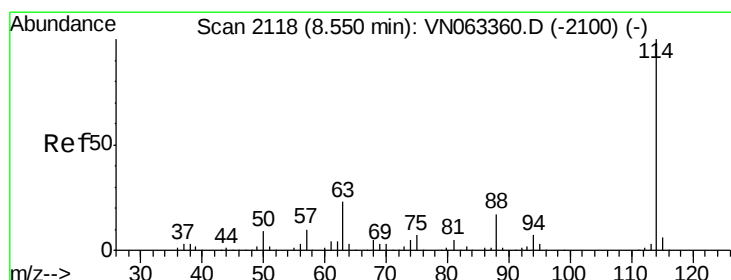
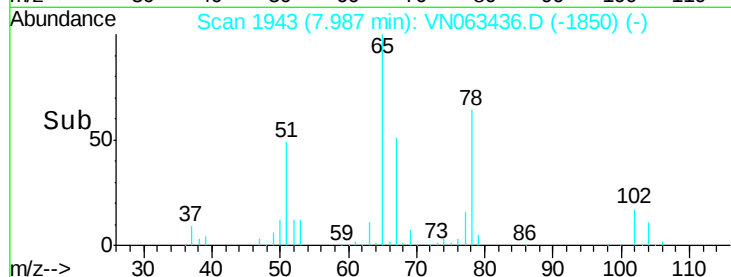
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion: 114 Resp: 506874

Ion Ratio Lower Upper

114 100

63 23.5

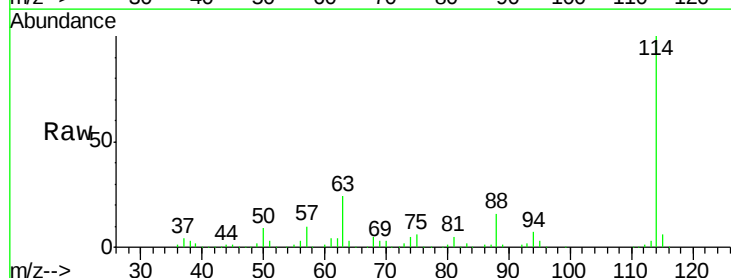
0.0

46.4

88 16.2

0.0

33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

8.55

300000

250000

200000

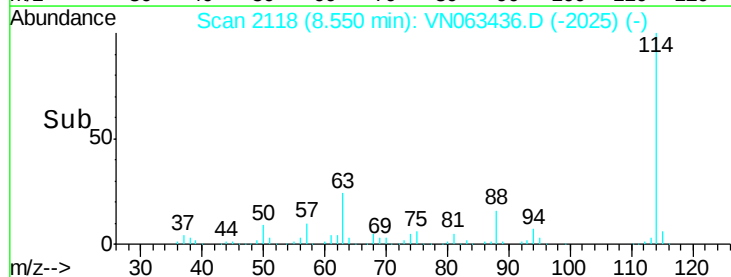
150000

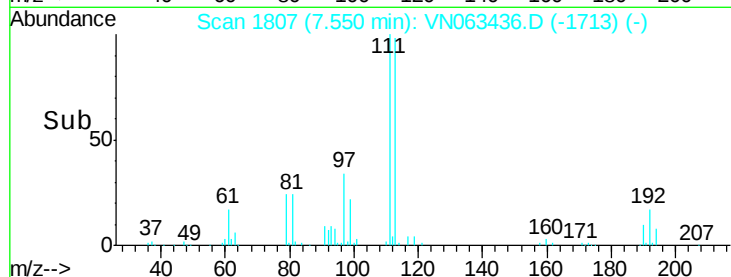
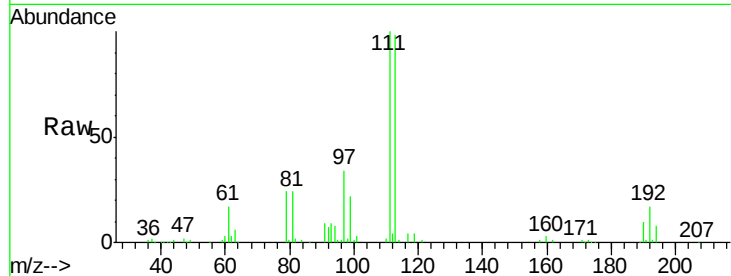
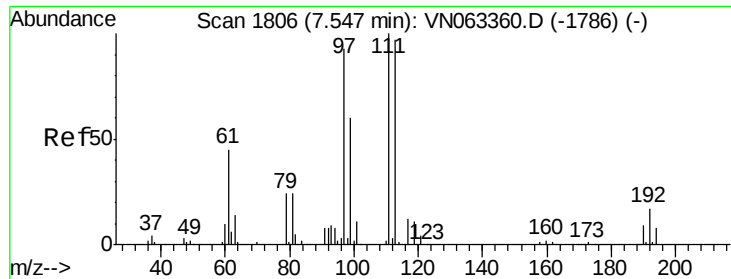
100000

50000

0

Time-->





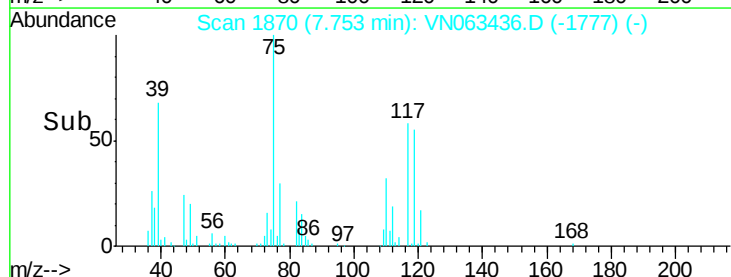
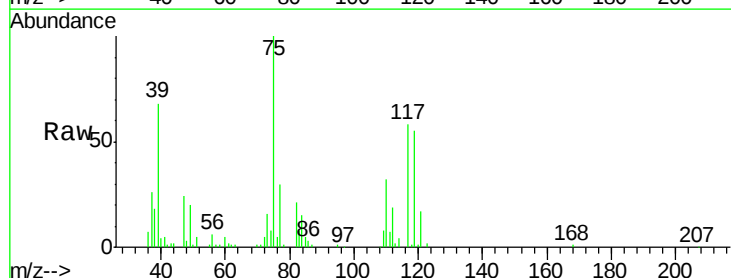
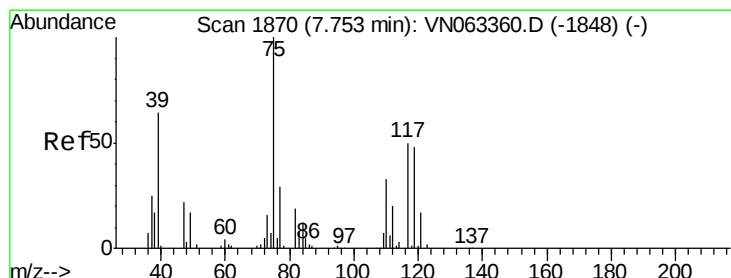
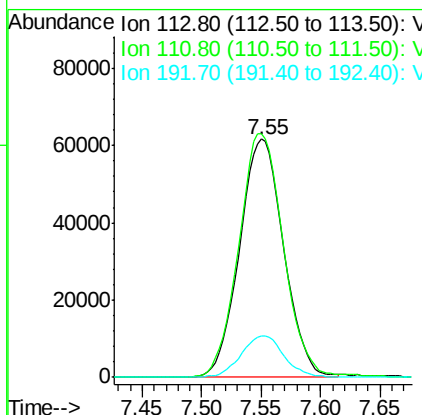
#35
Dibromofluoromethane
Concen: 45.084 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158199		
111	103.4	82.9	124.3	
192	17.0	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

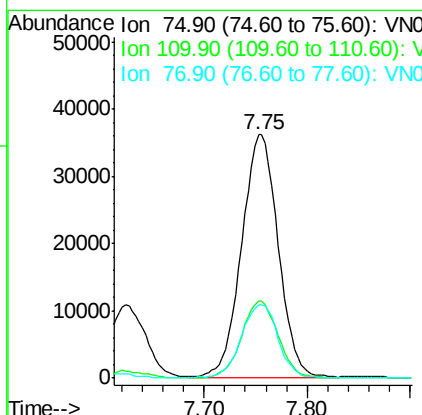
Manual Integrations
APPROVED

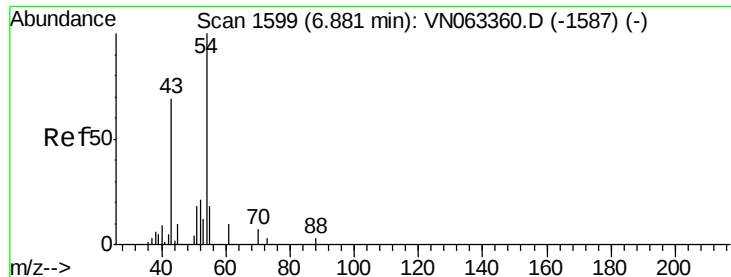
MMDadoda
9/18/2020 10:02:57 AM



#36
1,1-Dichloropropene
Concen: 16.635 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89832		
110	31.5	16.5	49.5	
77	30.4	24.6	36.8	





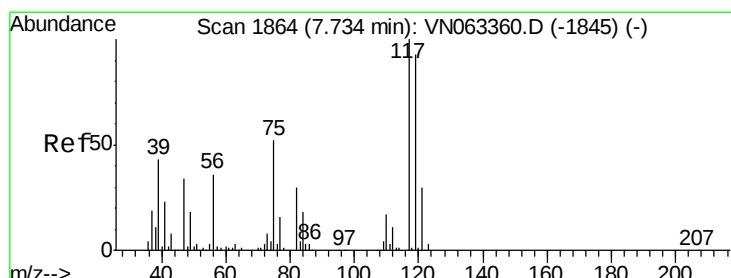
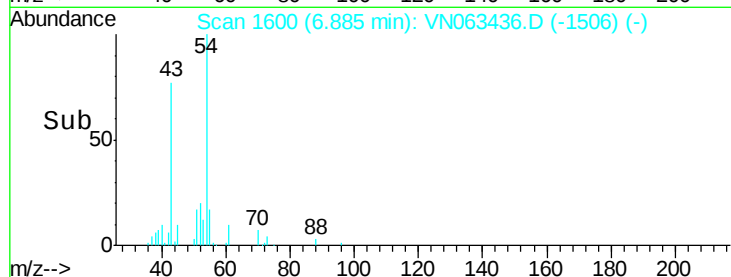
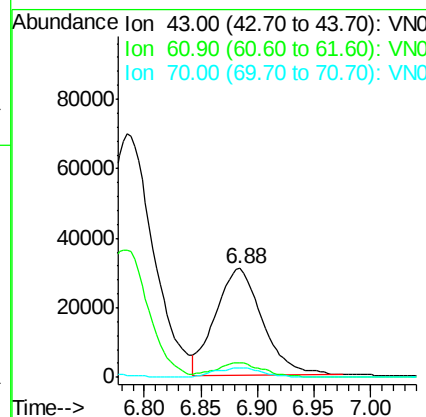
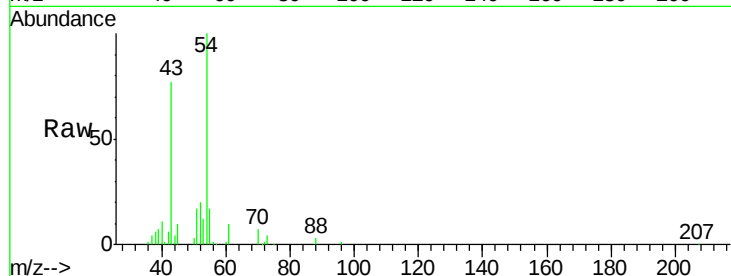
#37
Ethyl Acetate
Concen: 16.786 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	15.8
70	9.0	7.2	10.8

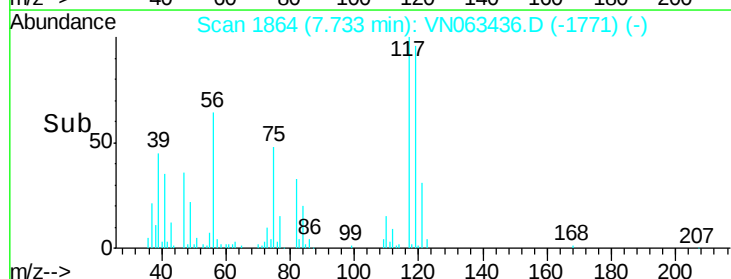
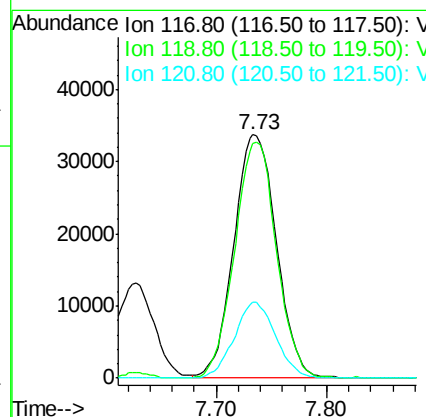
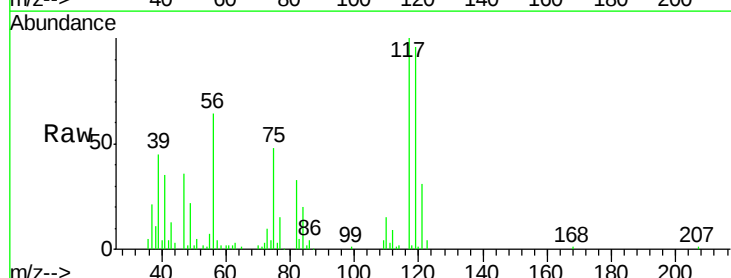
Manual Integrations
APPROVED

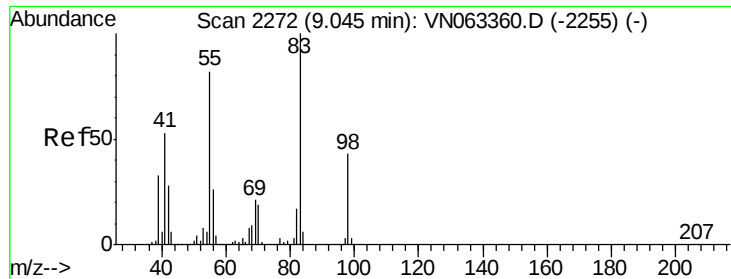
MMDadoda
9/18/2020 10:02:57 AM



#38
Carbon Tetrachloride
Concen: 16.360 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	74.5	111.7
121	31.4	24.1	36.1





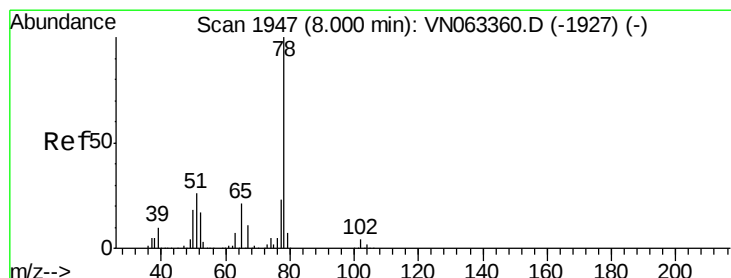
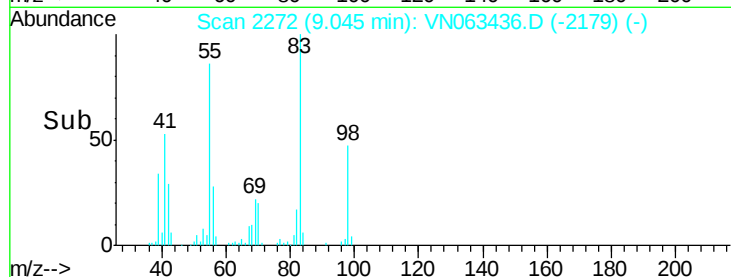
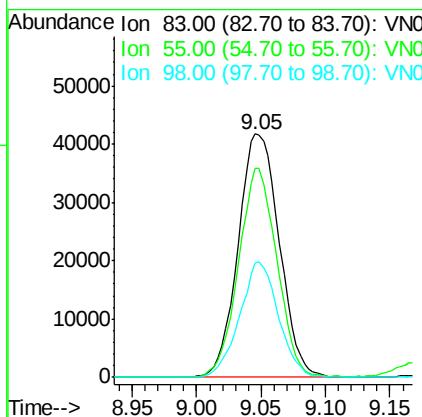
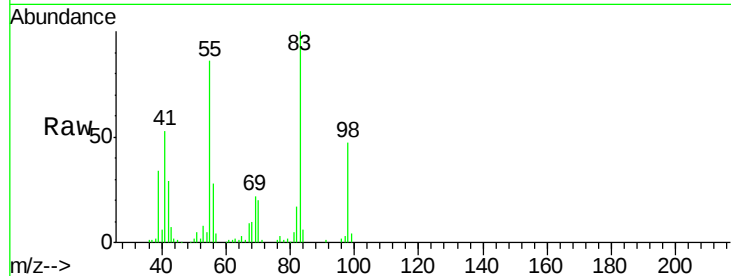
#39
Methvlcvclohexane
Concen: 15.840 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampled :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	65.5	98.3
98	46.8	34.2	51.4

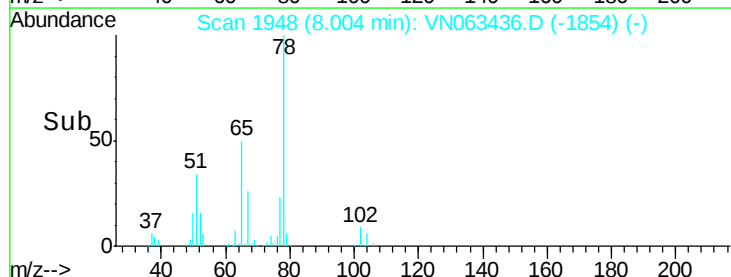
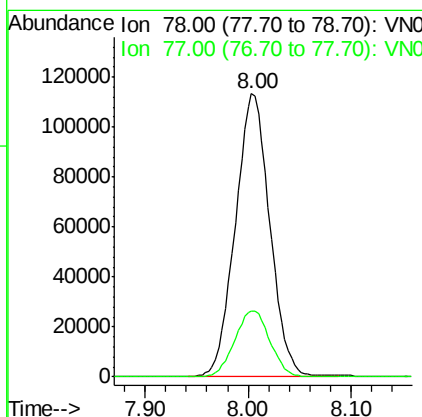
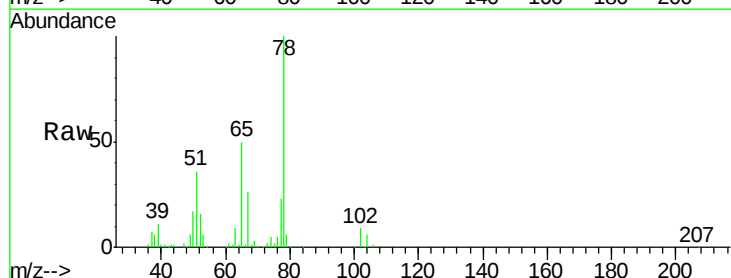
Manual Integrations
APPROVED

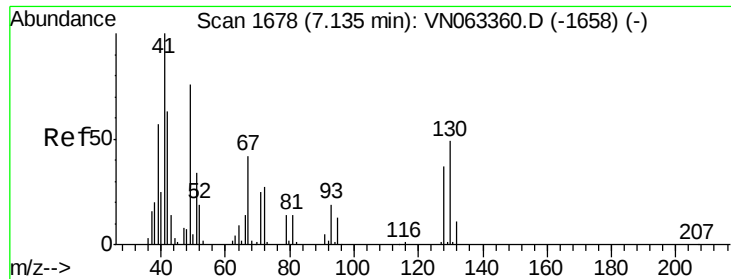
MMDadoda
9/18/2020 10:02:57 AM



#40
Benzene
Concen: 17.129 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5





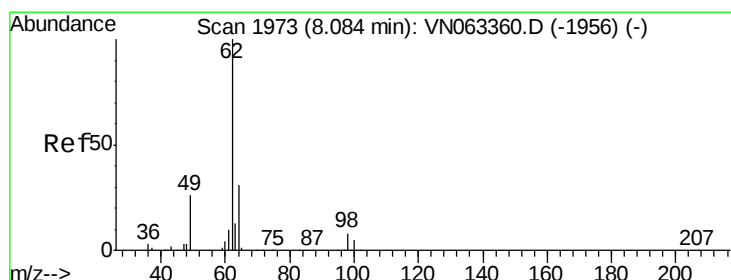
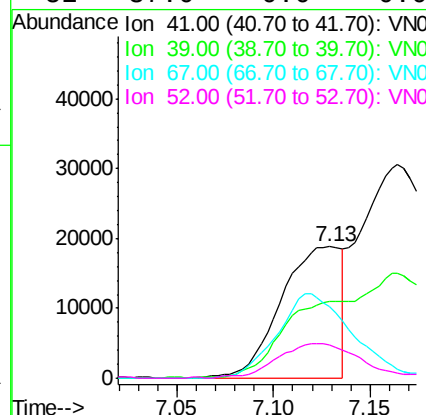
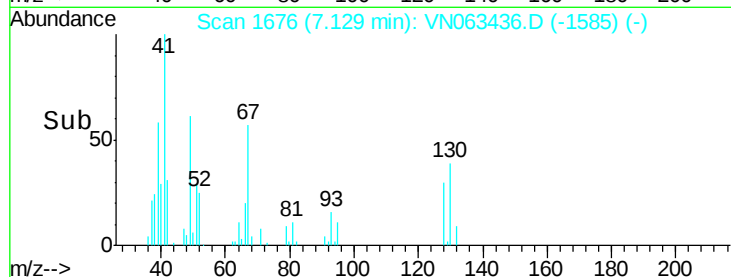
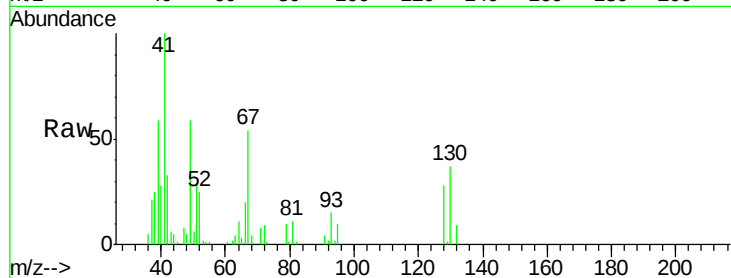
#41
Methacrylonitrile
Concen: 17.239 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.6	0.0	0.0#
67	79.6	0.0	0.0#
52	37.0	0.0	0.0#

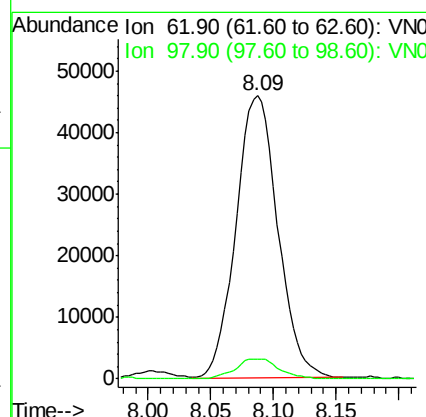
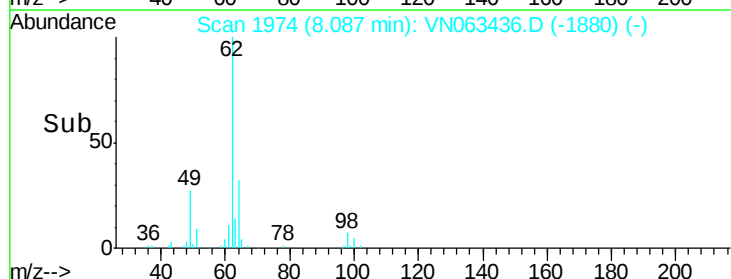
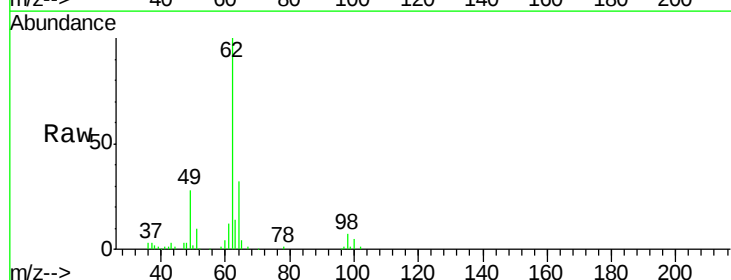
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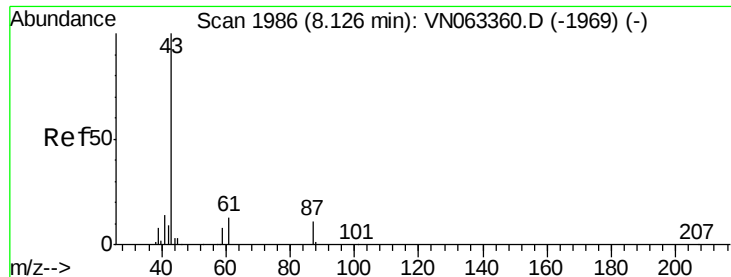
MMDadoda
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#42
1,2-Dichloroethane
Concen: 17.180 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6





#43

Isopropyl Acetate

Concen: 15.839 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

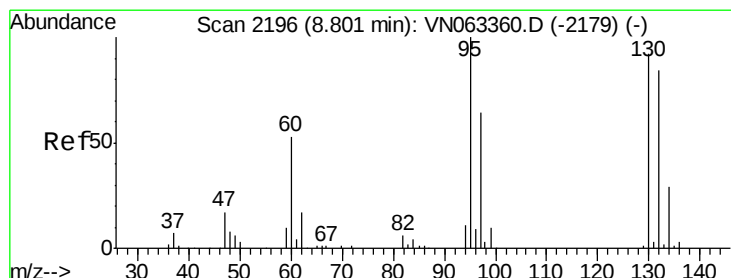
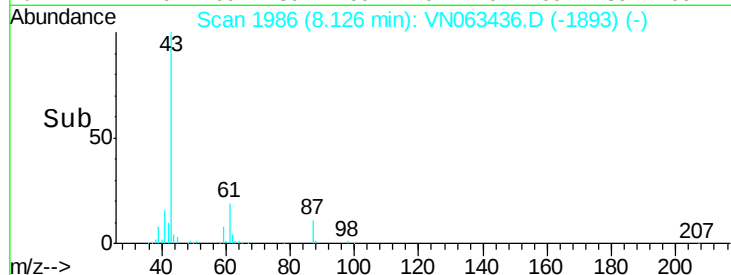
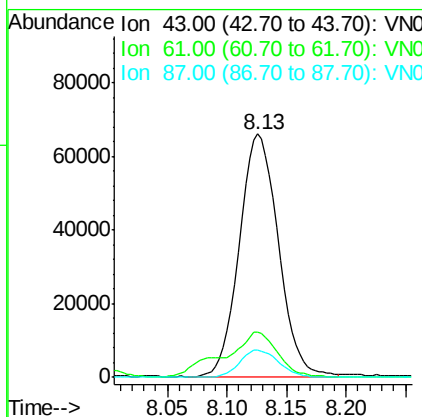
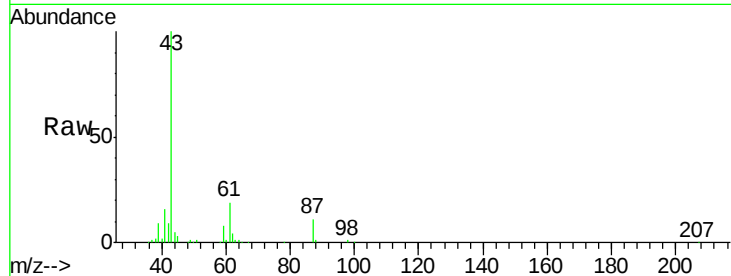
ClientSampleId :

VN0917MBS01

Tot Ion	43	Resp	150105
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.2	21.2
87	11.2	9.0	13.6

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#44

Trichloroethene

Concen: 17.181 ug/l

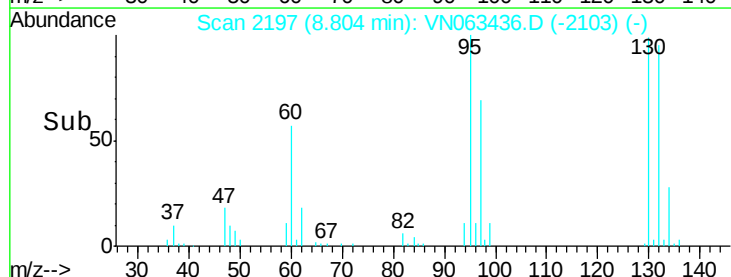
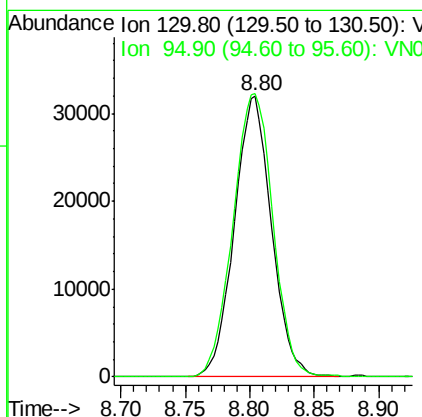
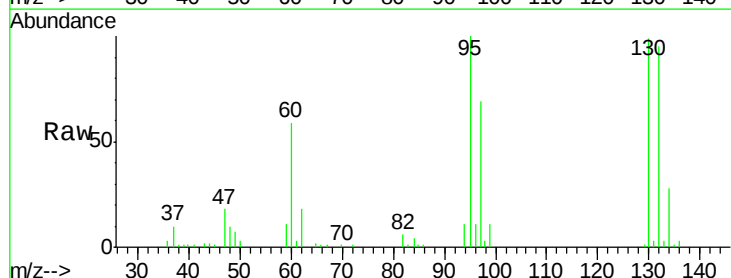
RT: 8.80 min Scan# 2197

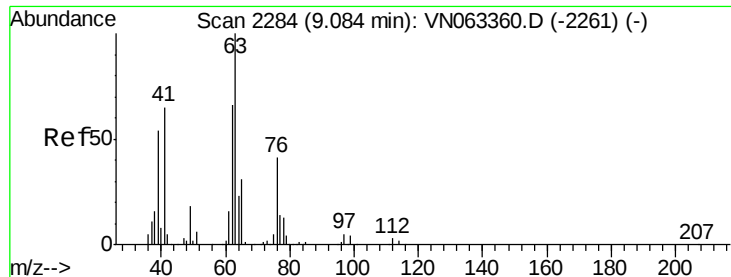
Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion	130	Resp	64236
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	217.4





#45

1,2-Dichloropropane

Concen: 17.389 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 63 Resp: 73008

Ion Ratio Lower Upper

63 100

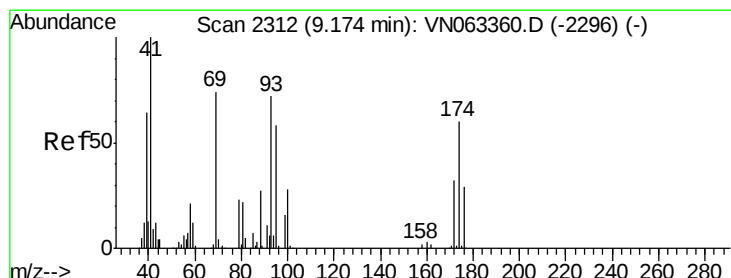
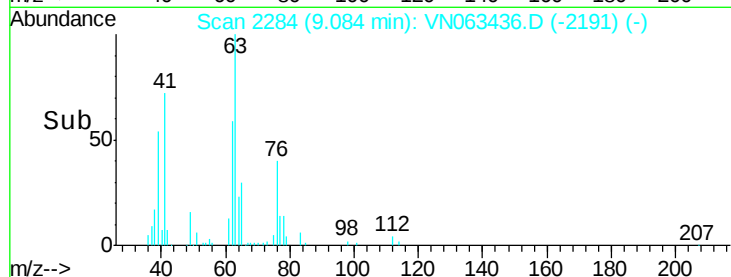
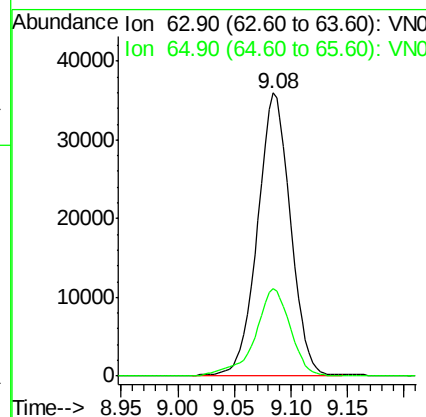
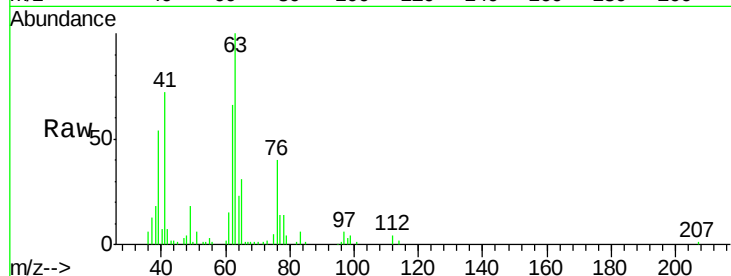
65 30.8 25.0 37.6

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#46

Dibromomethane

Concen: 17.046 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

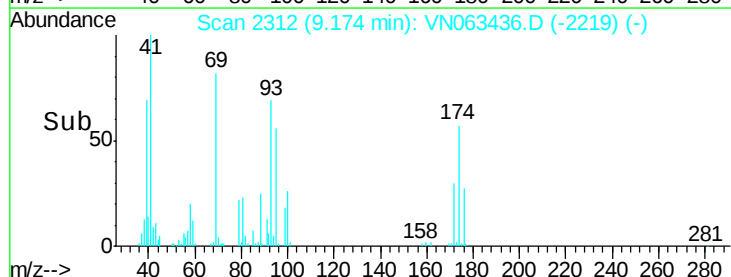
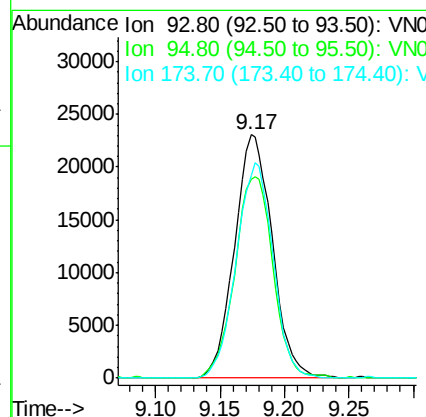
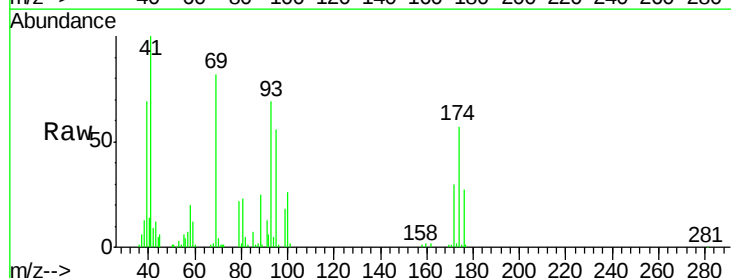
Tgt Ion: 93 Resp: 47038

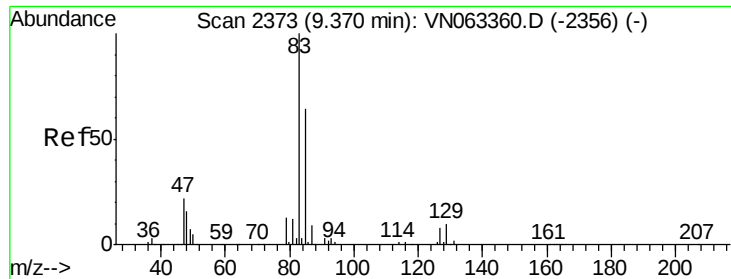
Ion Ratio Lower Upper

93 100

95 83.6 65.6 98.4

174 85.9 68.1 102.1





#47

Bromodichloromethane

Concen: 16.771 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

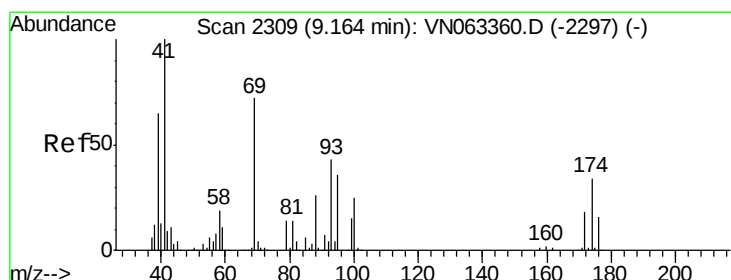
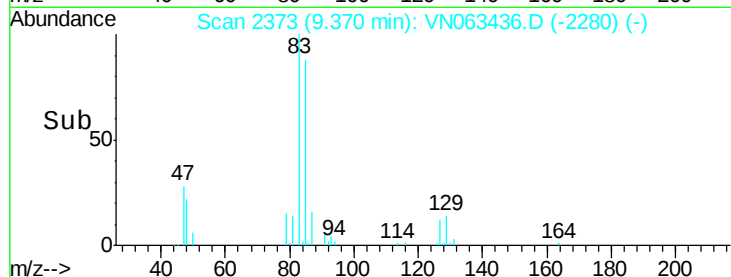
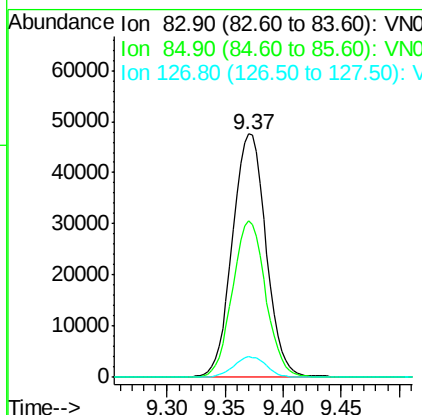
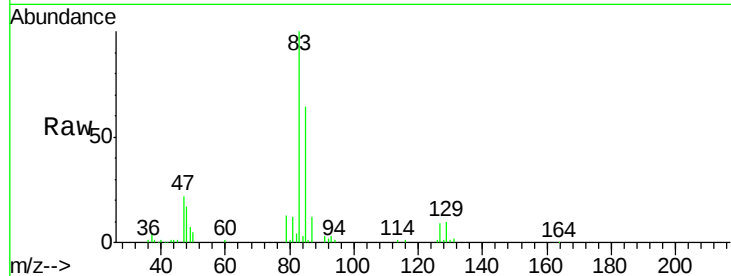
ClientSampleId :

VN0917MBS01

Tot Ion:	83	Resp:	96142
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6
127	8.5	6.3	9.5

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#48

Methyl methacrylate

Concen: 16.329 ug/l

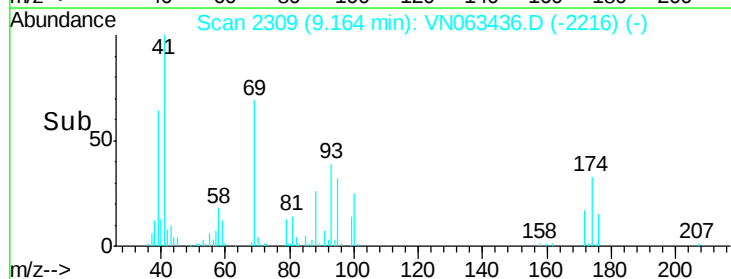
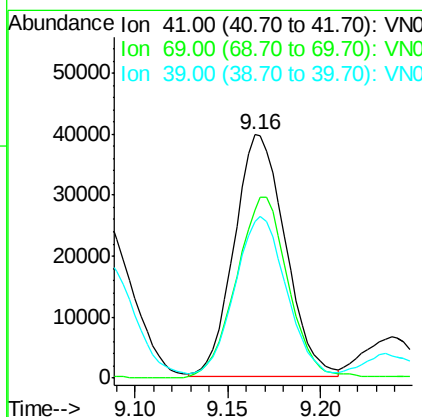
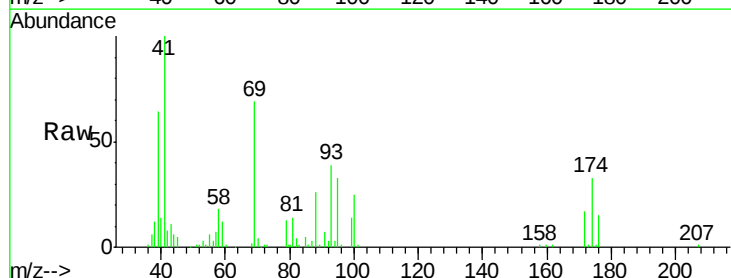
RT: 9.16 min Scan# 2309

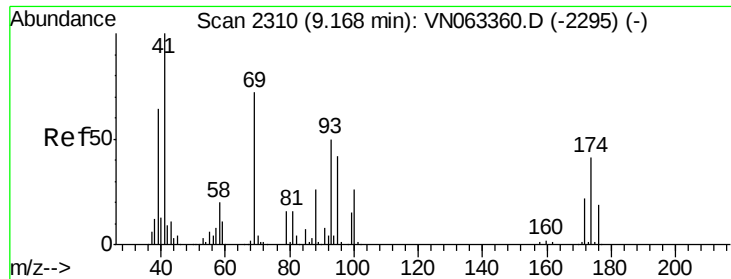
Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion:	41	Resp:	76026
Ion	Ratio	Lower	Upper
41	100		
69	76.1	59.3	88.9
39	67.6	52.9	79.3





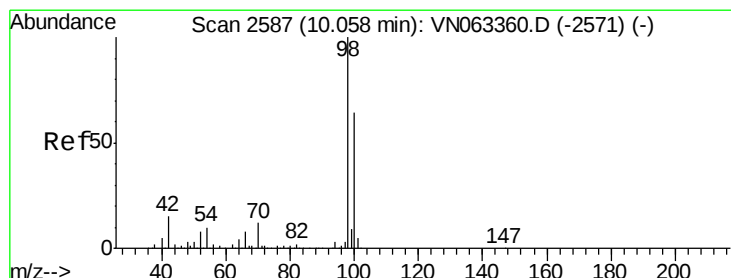
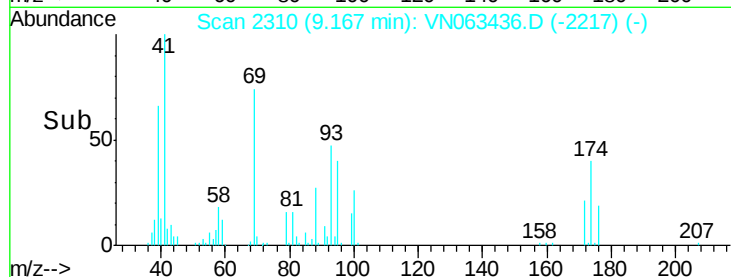
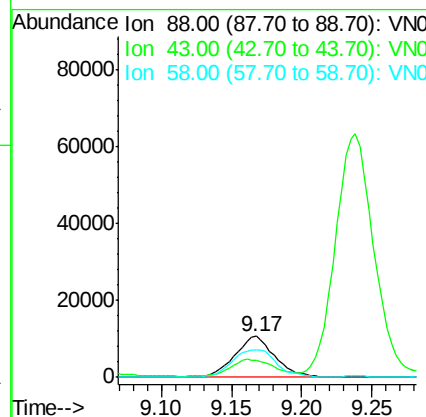
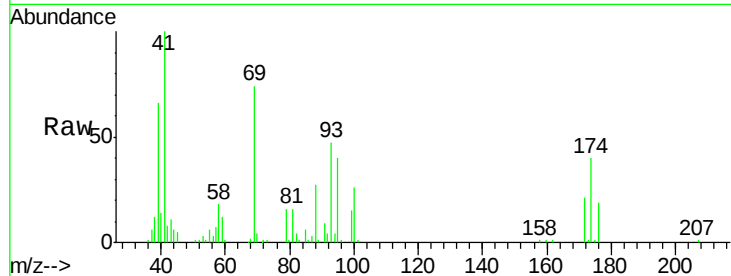
#49
1,4-Dioxane
Concen: 315.806 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	88	Resp	21101
Ion Ratio	Lower	Upper	
88	100		
43	45.2	32.6	49.0
58	74.7	60.0	90.0

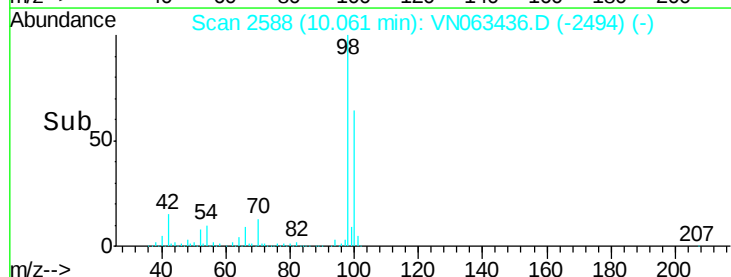
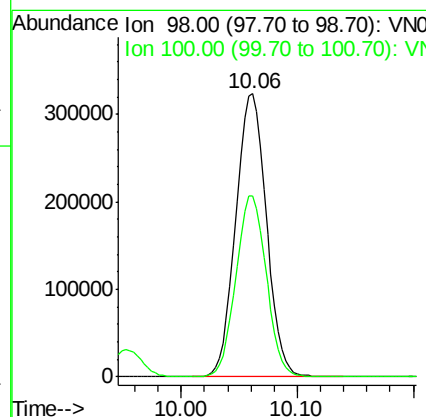
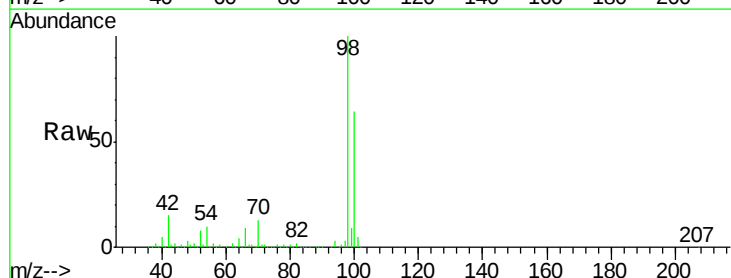
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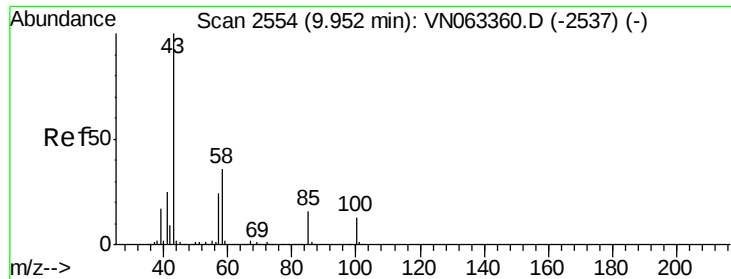
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#50
Toluene-d8
Concen: 44.907 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	98	Resp	592522
Ion Ratio	Lower	Upper	
98	100		
100	63.2	50.7	76.1





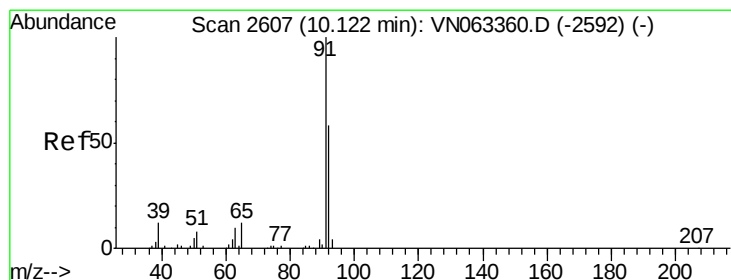
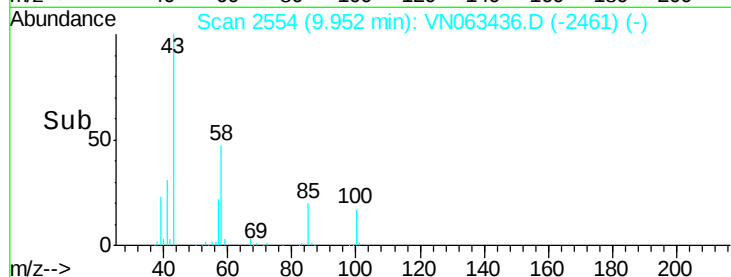
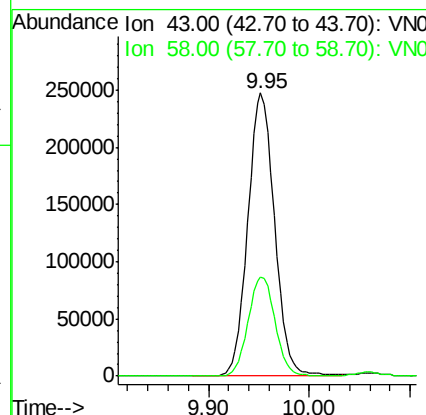
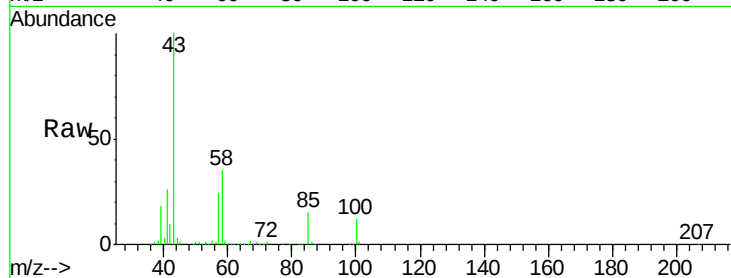
#51
4-Methyl-2-Pentanone
Concen: 84.921 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	43	Resp	450542
Ion Ratio	Lower	Upper	
43	100		
58	35.7	29.0	43.6

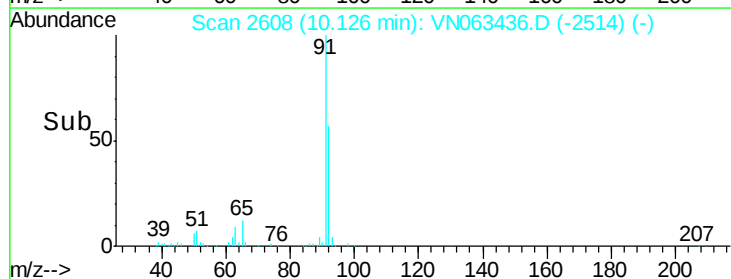
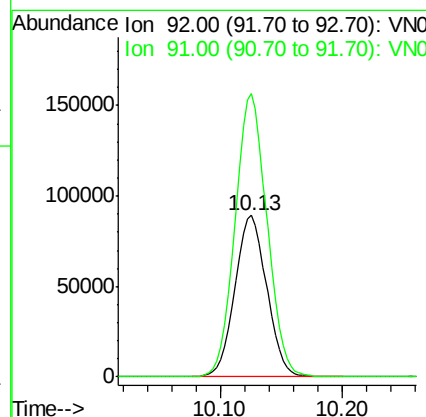
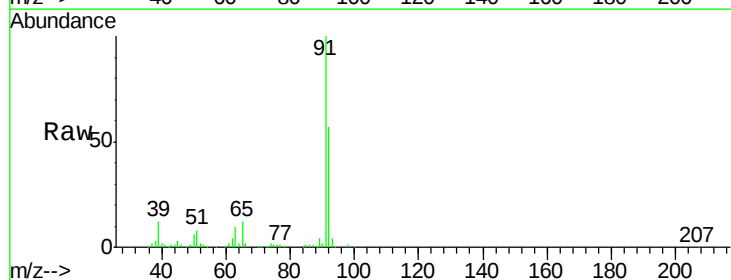
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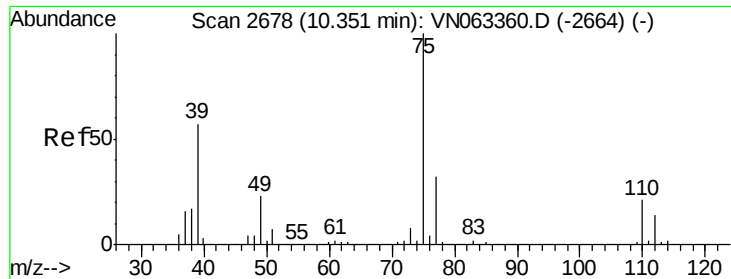
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#52
Toluene
Concen: 17.500 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	92	Resp	162188
Ion Ratio	Lower	Upper	
92	100		
91	175.4	139.7	209.5





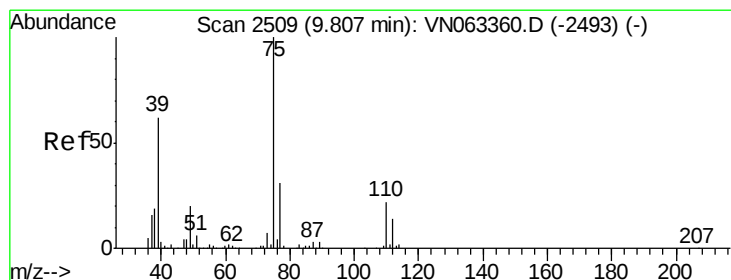
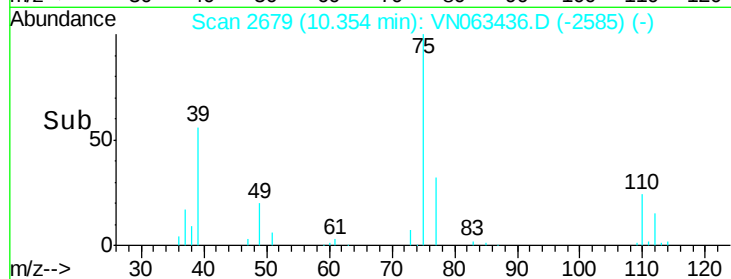
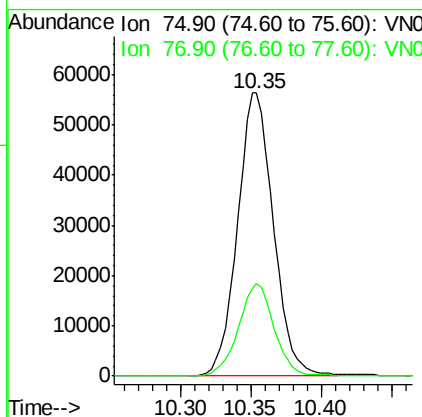
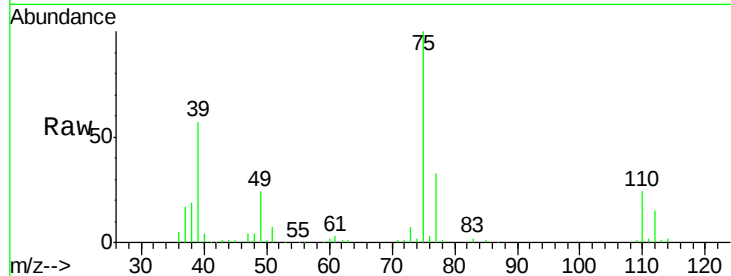
#53
 t-1,3-Dichloropropene
 Concen: 15.714 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBS01

Tot Ion: 75 Resp: 100567
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2

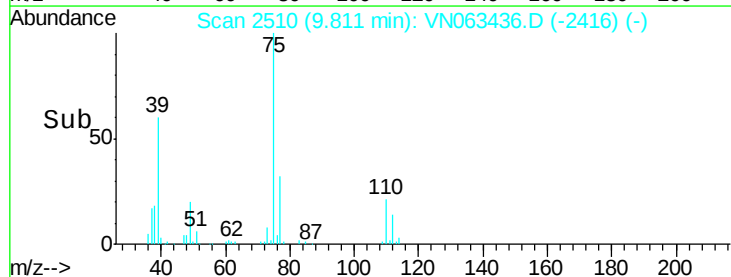
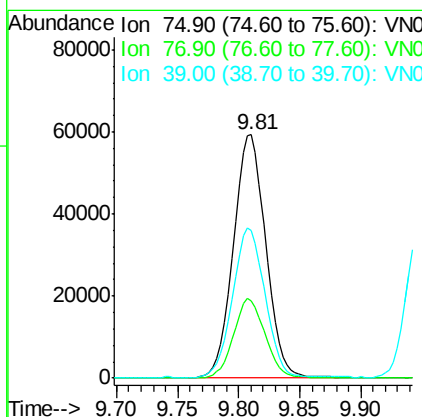
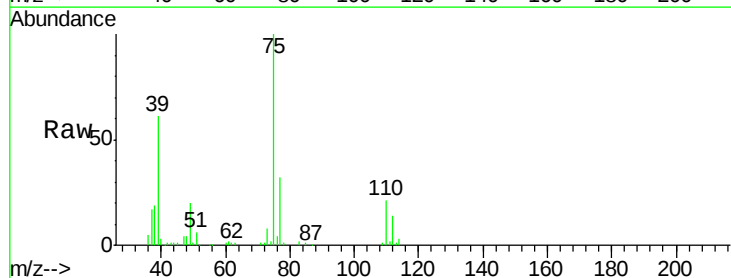
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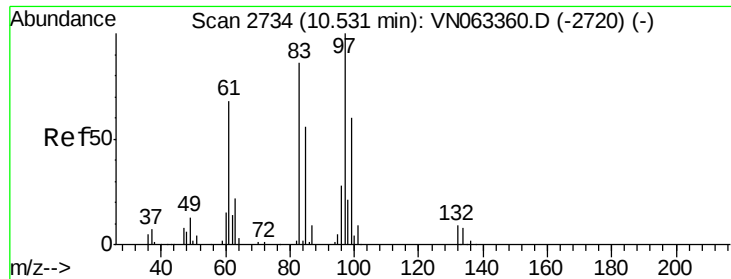
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 16.203 ug/l
 RT: 9.81 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Tgt Ion: 75 Resp: 109378
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0
 39 60.2 49.8 74.8





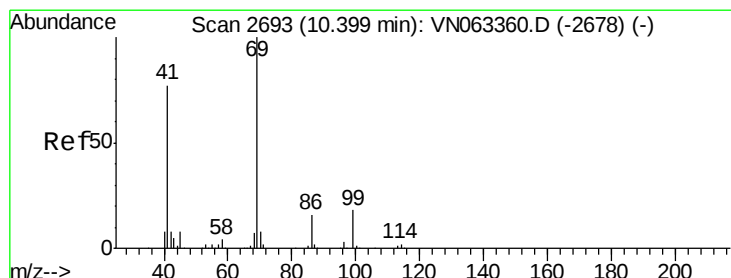
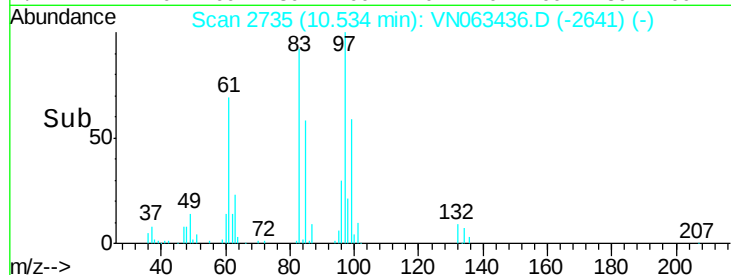
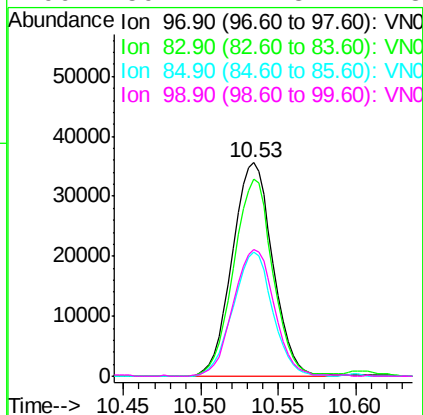
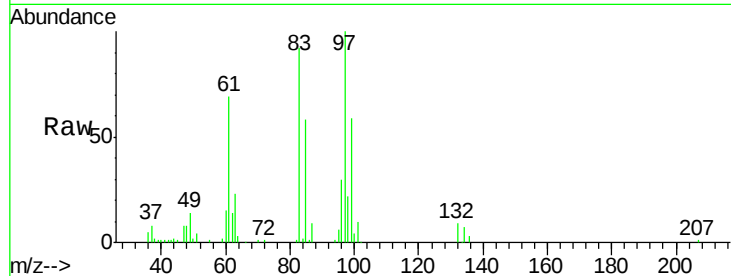
#55
 1,1,2-Trichloroethane
 Concen: 17.607 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBS01

Tot Ion:	97	Resp:	64816
Ion	Ratio	Lower	Upper
97	100		
83	92.4	68.9	103.3
85	58.2	44.8	67.2
99	59.1	47.8	71.8

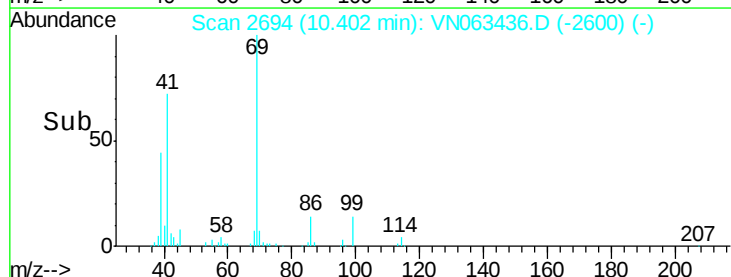
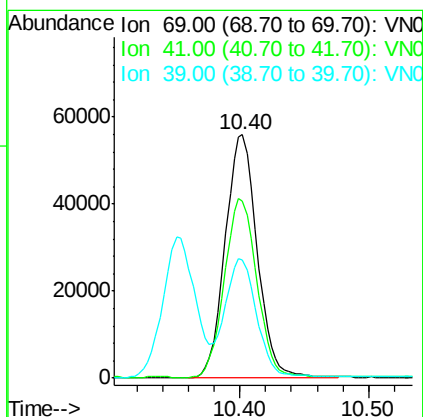
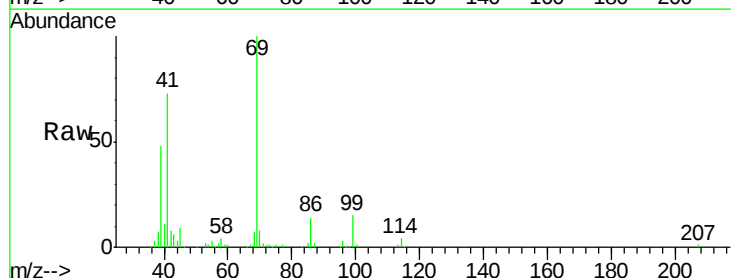
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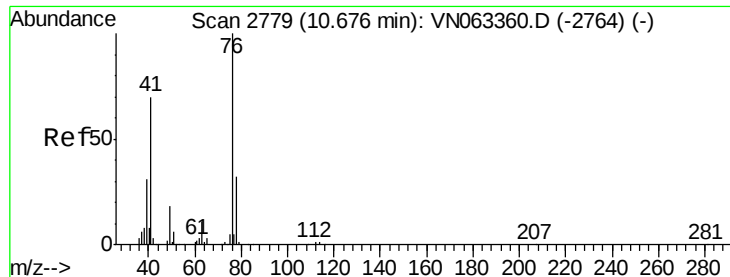
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#56
 Ethyl methacrylate
 Concen: 16.843 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Tgt Ion:	69	Resp:	96798
Ion	Ratio	Lower	Upper
69	100		
41	74.2	61.0	91.6
39	47.5	39.2	58.8





#57

1,3-Dichloropropane

Concen: 16.639 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 76 Resp: 110461

Ion Ratio Lower Upper

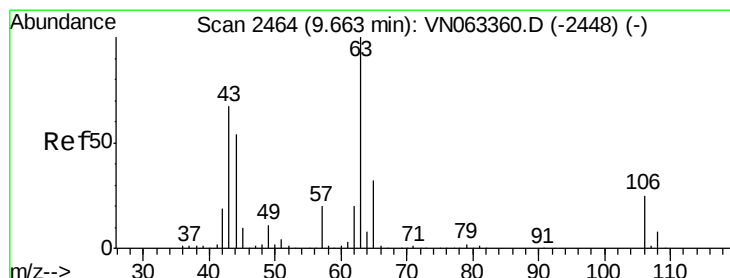
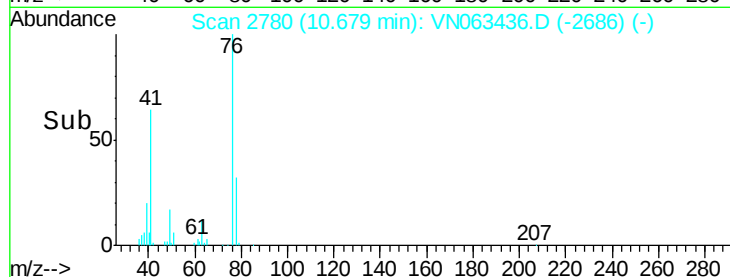
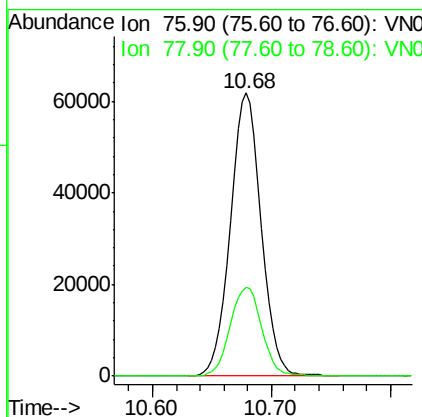
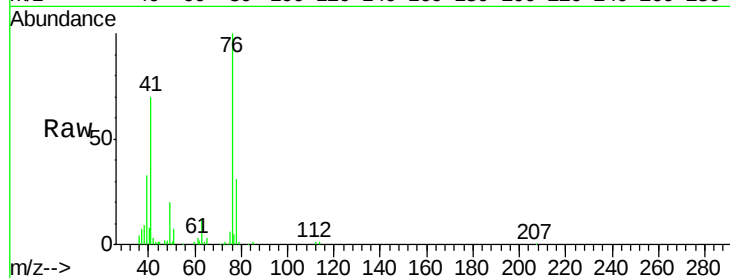
76 100

78 32.3 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 85.863 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063436.D

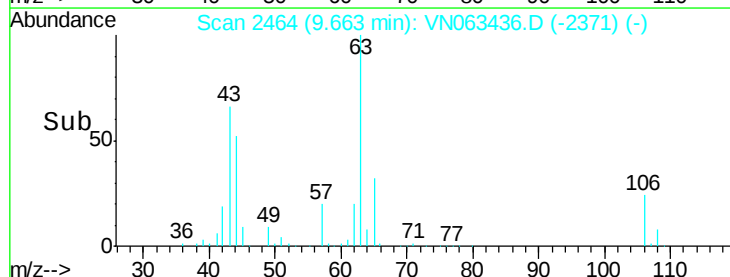
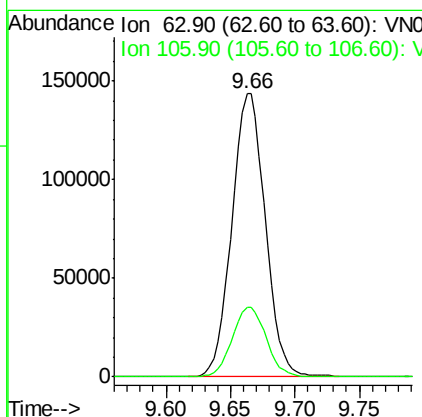
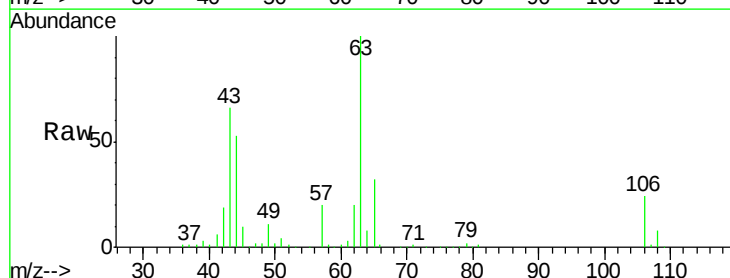
Acq: 17 Sep 2020 22:47

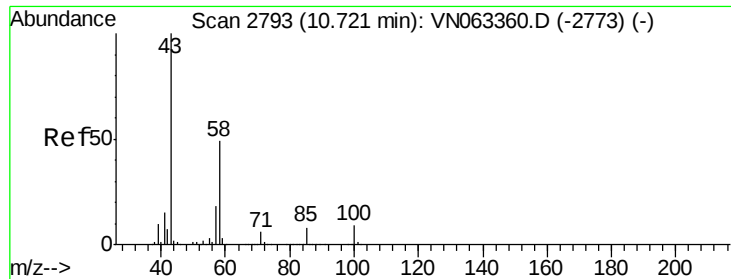
Tgt Ion: 63 Resp: 258856

Ion Ratio Lower Upper

63 100

106 25.1 19.5 29.3





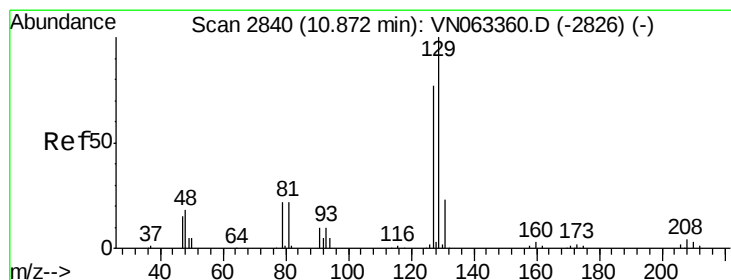
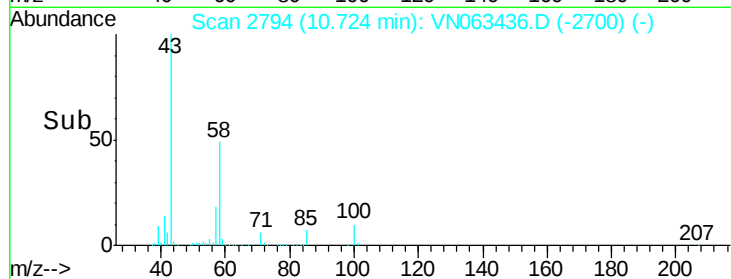
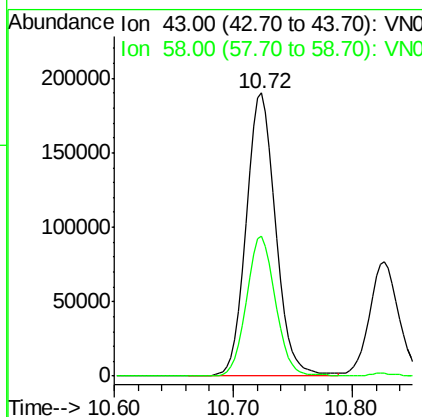
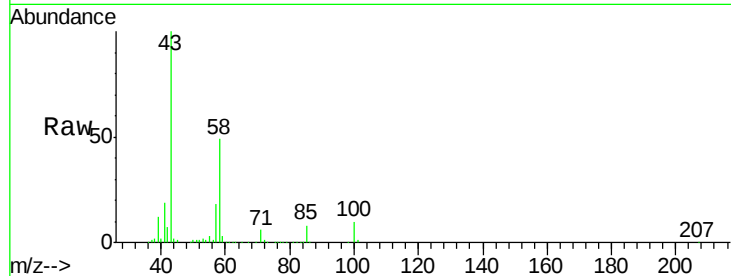
#59
2-Hexanone
Concen: 84.368 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion: 43 Resp: 324280
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1

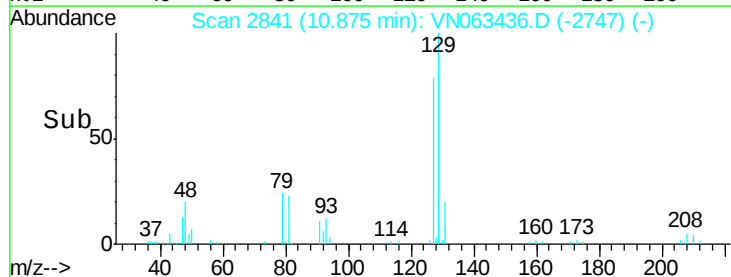
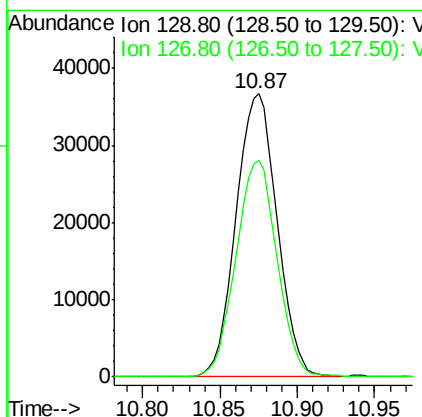
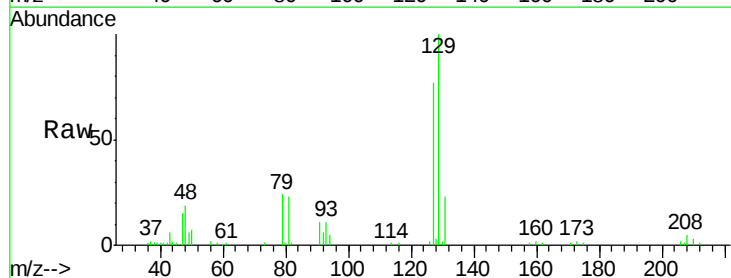
Manual Integrations
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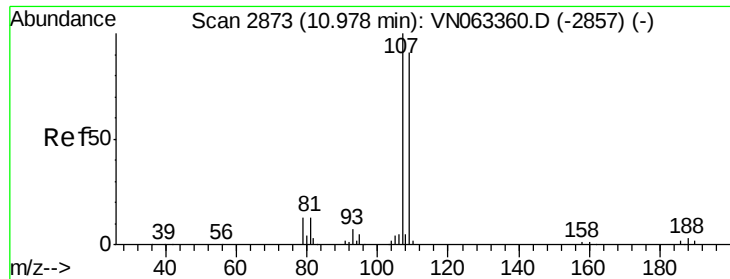
MMDadoda
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#60
Dibromochloromethane
Concen: 16.263 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion: 129 Resp: 67636
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3





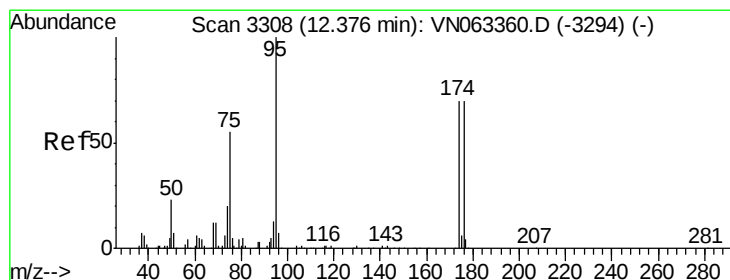
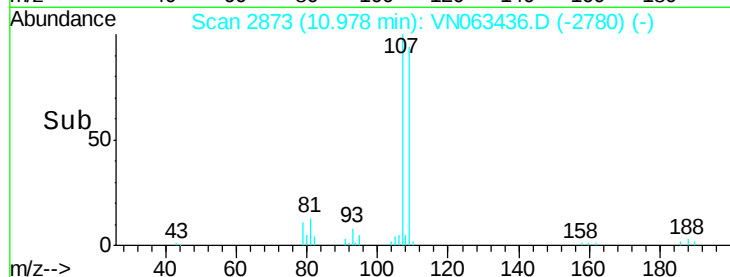
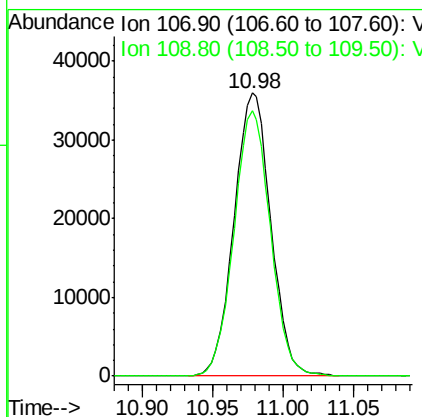
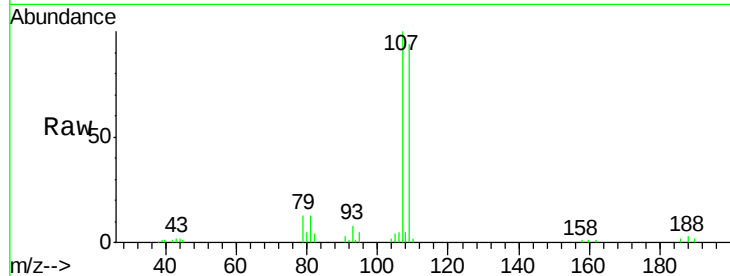
#61
1,2-Dibromoethane
Concen: 17.246 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	74.6	111.8

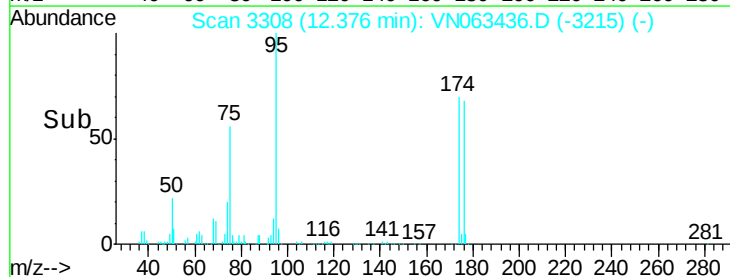
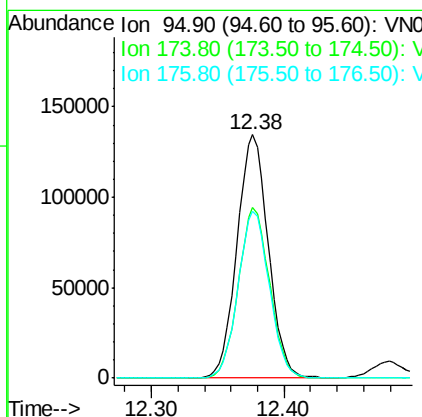
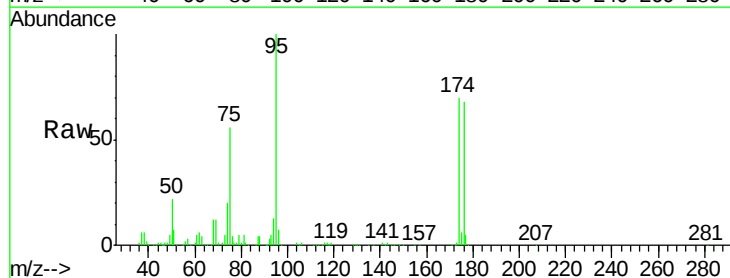
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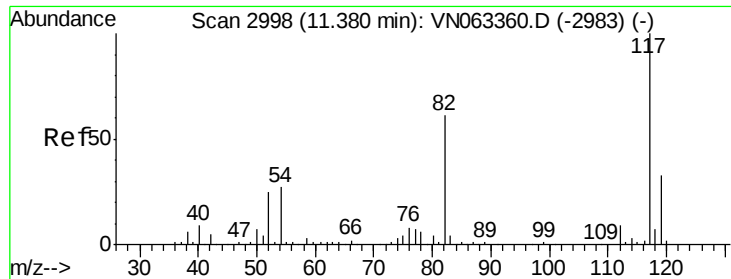
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 45.663 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	140.8
176	68.4	0.0	137.6





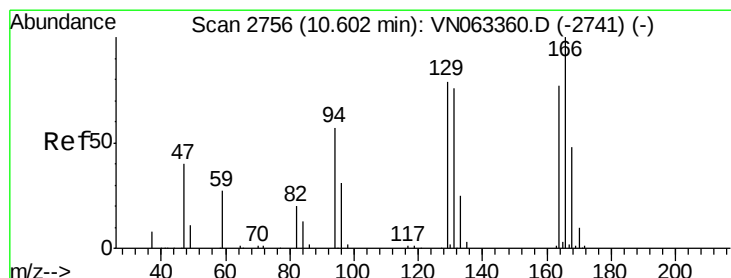
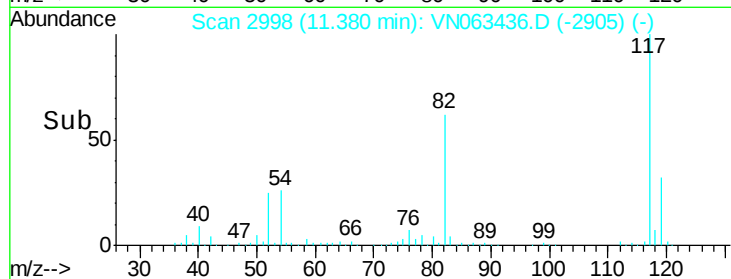
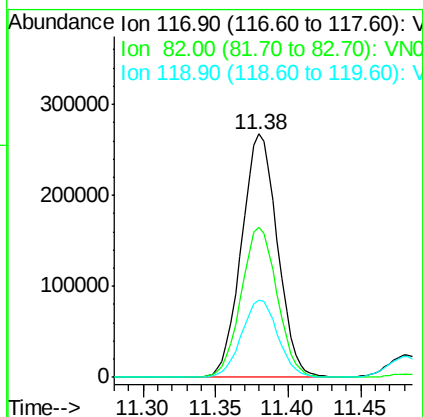
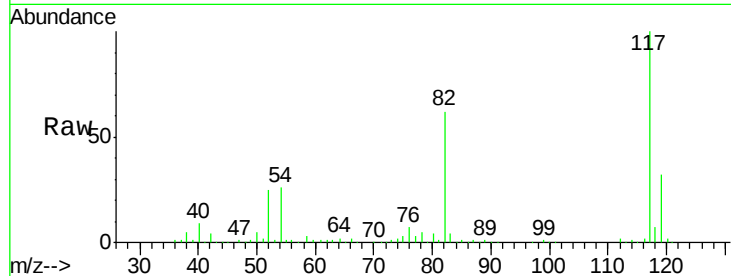
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	49.2	73.8
119	31.9	26.2	39.4

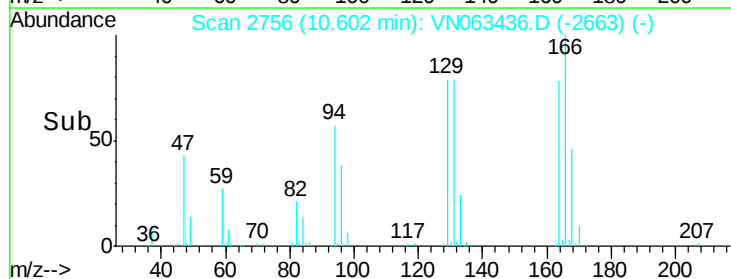
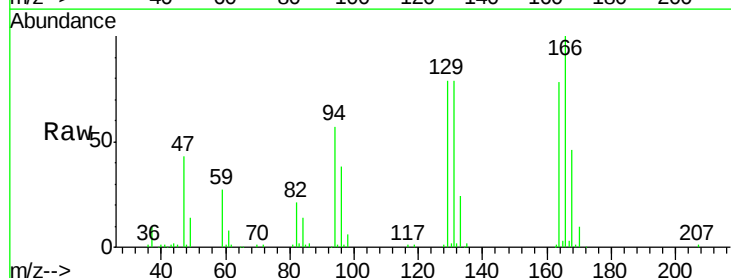
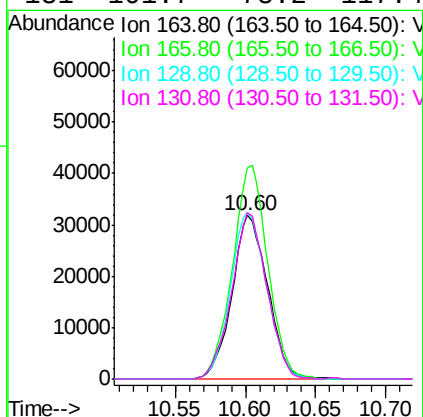
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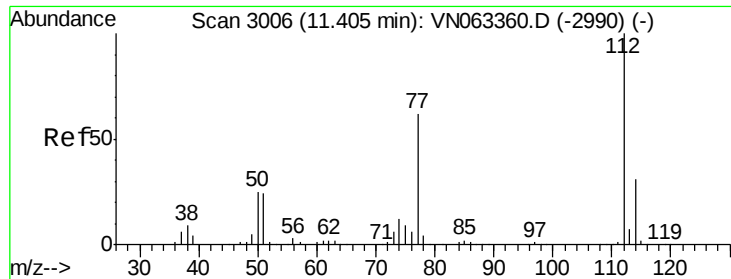
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#64
Tetrachloroethene
Concen: 17.934 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.4	155.0
129	101.8	81.8	122.6
131	101.7	78.2	117.4





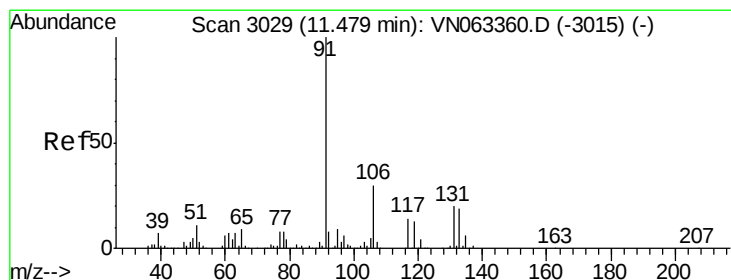
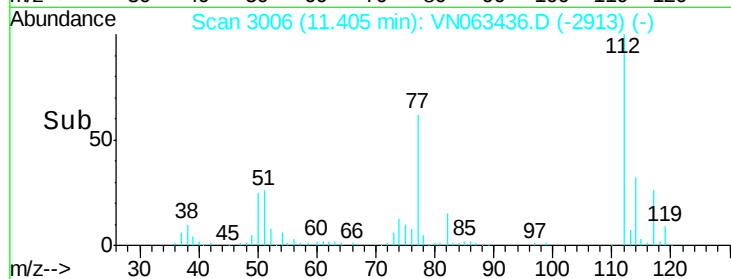
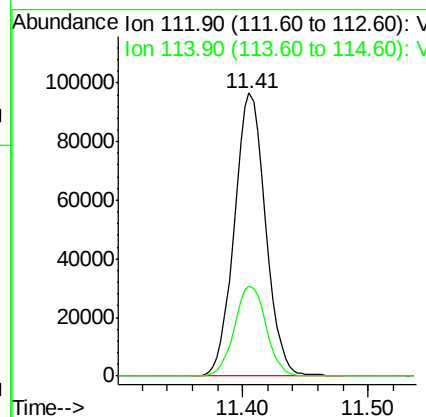
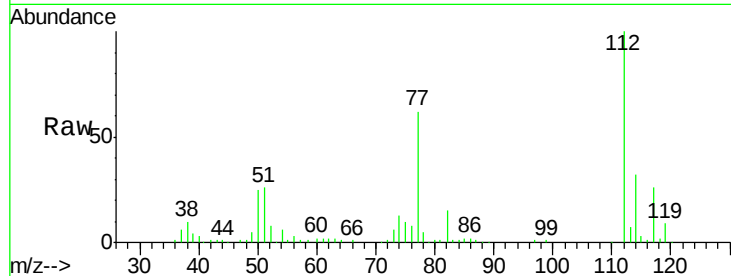
#65
Chlorobenzene
Concen: 16.983 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion:112 Resp: 166579
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

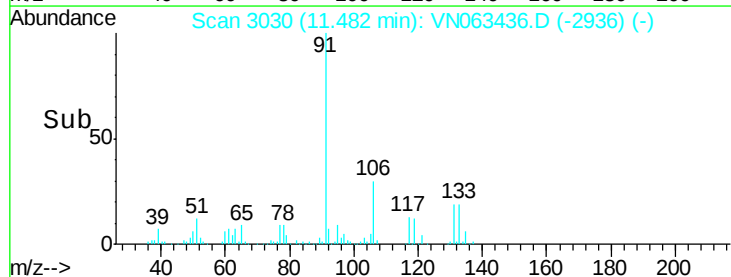
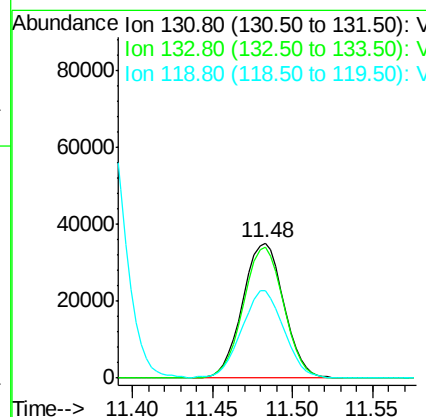
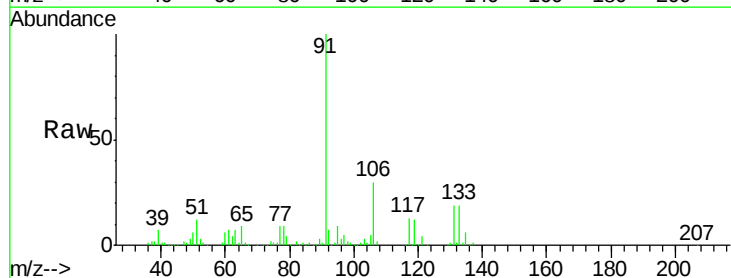
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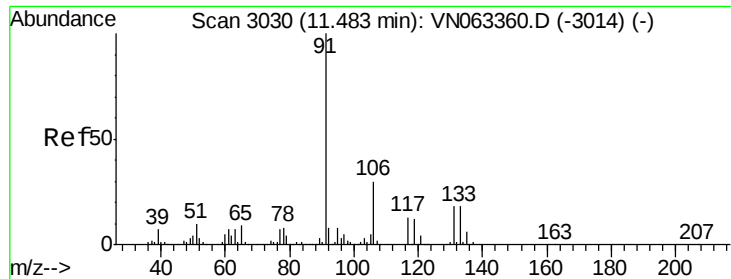
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.205 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion:131 Resp: 61858
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 65.0 33.6 100.8





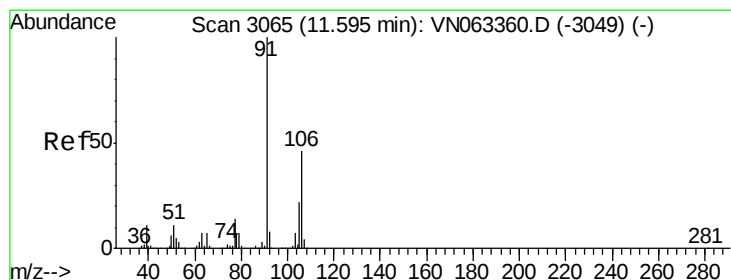
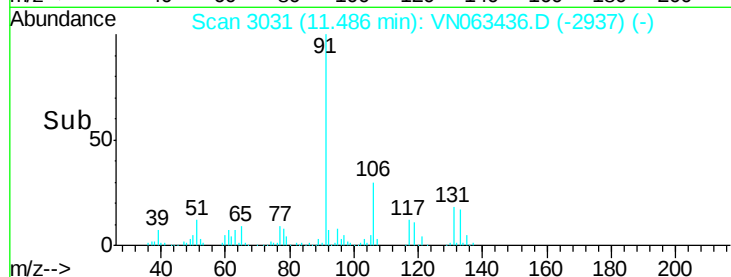
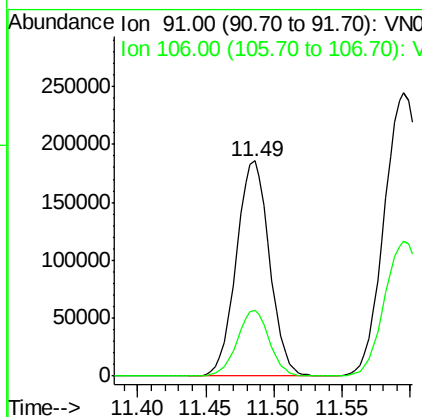
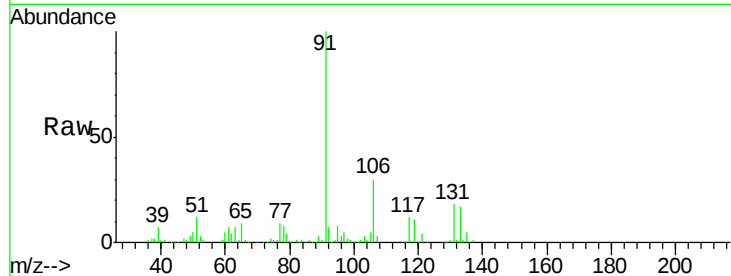
#67
Ethyl Benzene
Concen: 17.035 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion: 91 Resp: 314664
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6

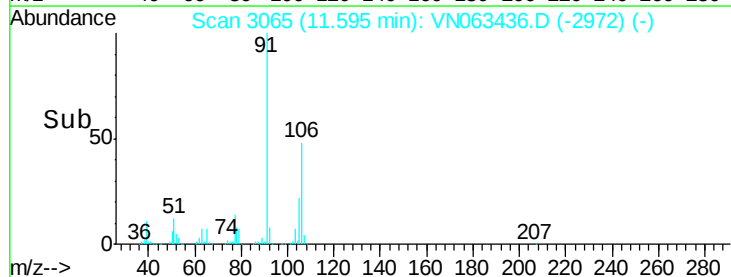
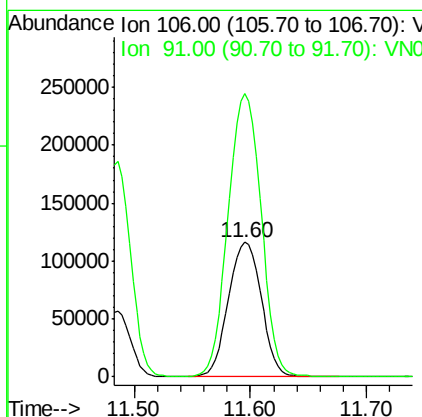
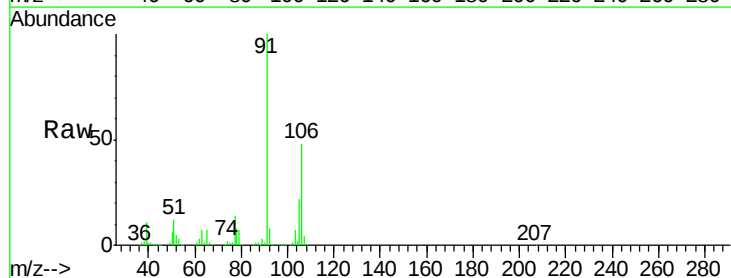
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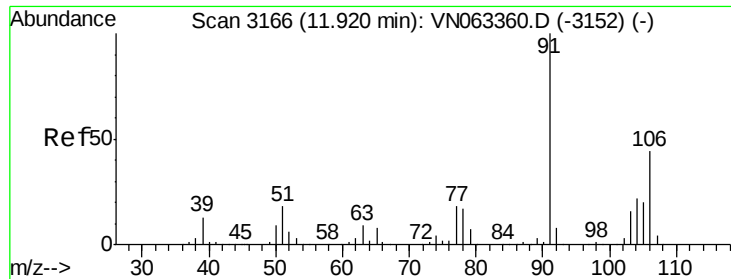
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#68
m/p-Xylenes
Concen: 34.476 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion: 106 Resp: 229605
Ion Ratio Lower Upper
106 100
91 209.4 171.2 256.8





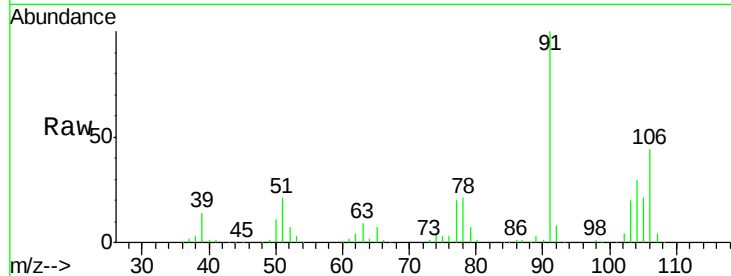
#69
o-Xylene
Concen: 17.146 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

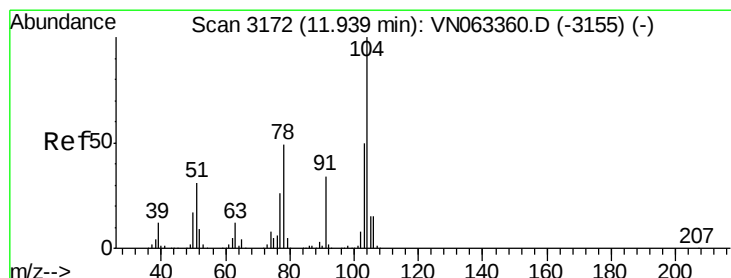
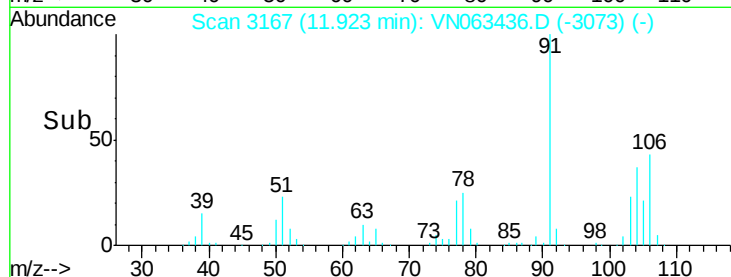
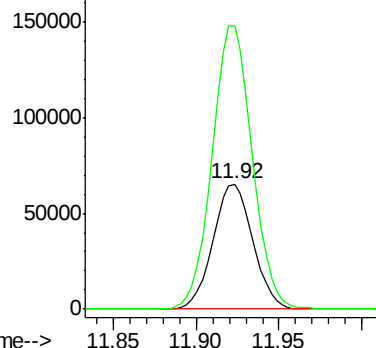
Tot Ion:106 Resp: 108775
Ion Ratio Lower Upper
106 100
91 228.1 113.6 340.8

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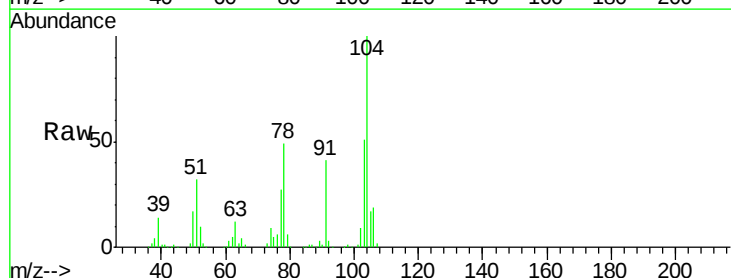


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

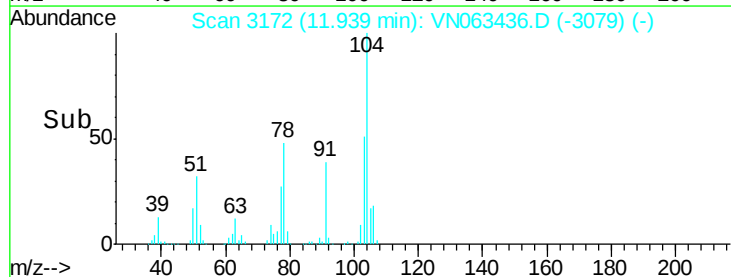
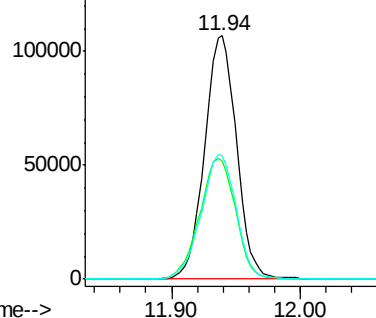


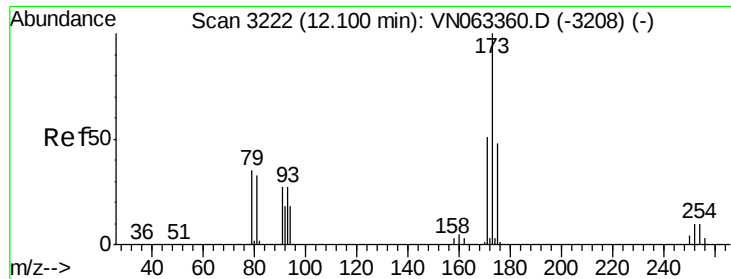
#70
Styrene
Concen: 17.294 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion:104 Resp: 183994
Ion Ratio Lower Upper
104 100
78 56.0 44.4 66.6
103 56.1 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 16.028 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion:173 Resp: 42932

Ion Ratio Lower Upper

173 100

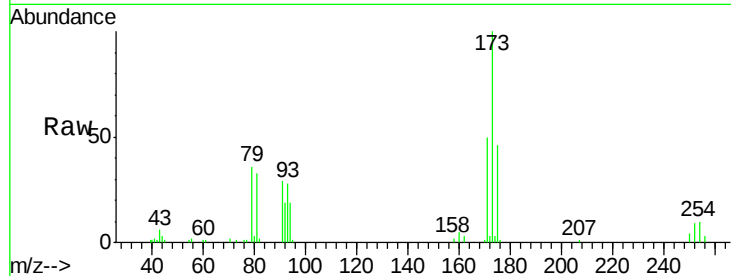
175 48.5 24.0 72.0

254 0.0 0.0 0.0

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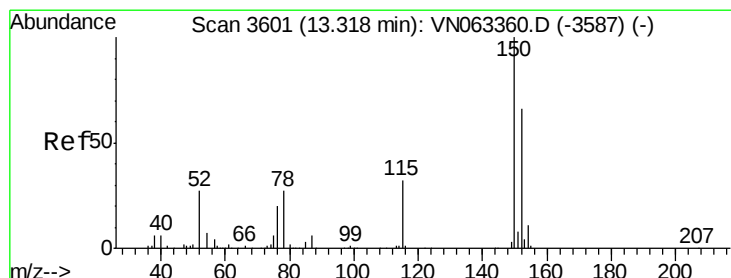
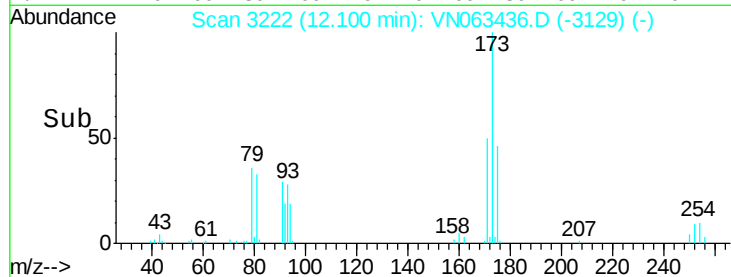
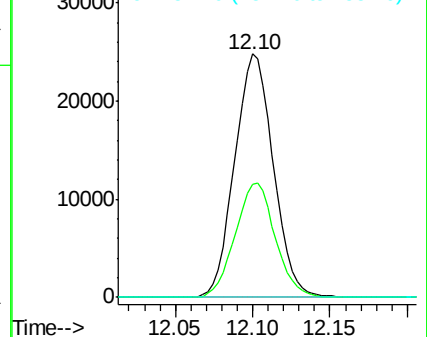
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063436.D

Acq: 17 Sep 2020 22:47

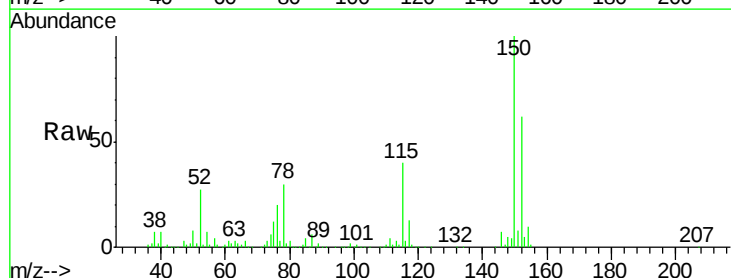
Tgt Ion:152 Resp: 211407

Ion Ratio Lower Upper

152 100

115 66.0 32.2 96.6

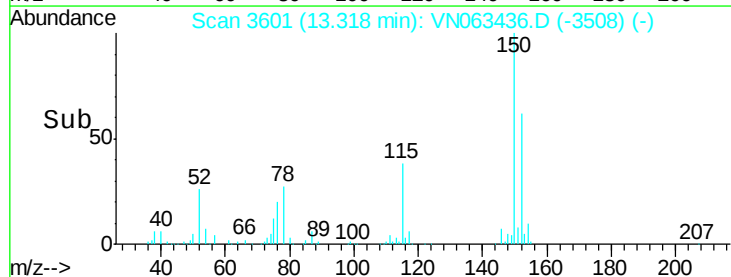
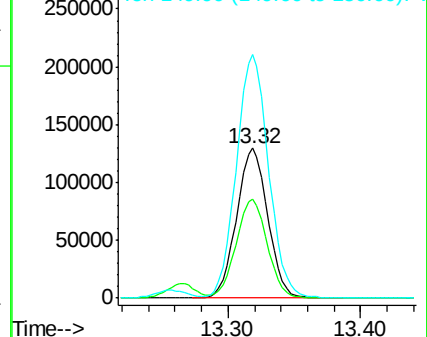
150 167.3 0.0 343.4

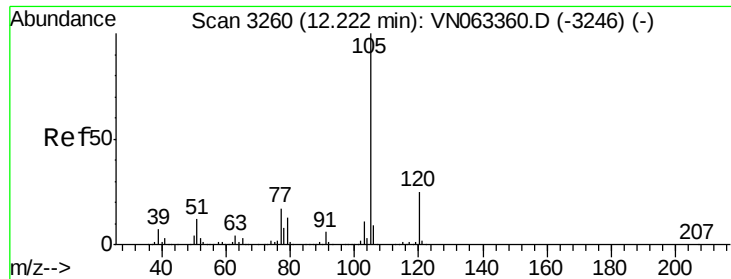


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.182 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 105 Resp: 291073

Ion Ratio Lower Upper

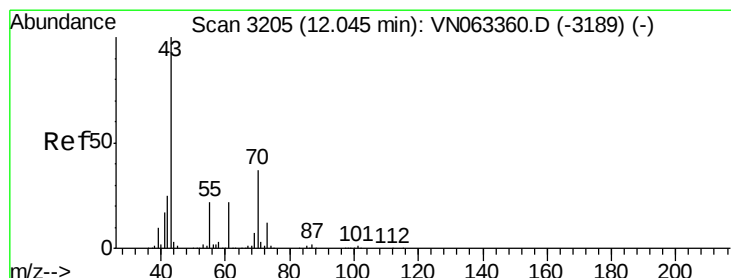
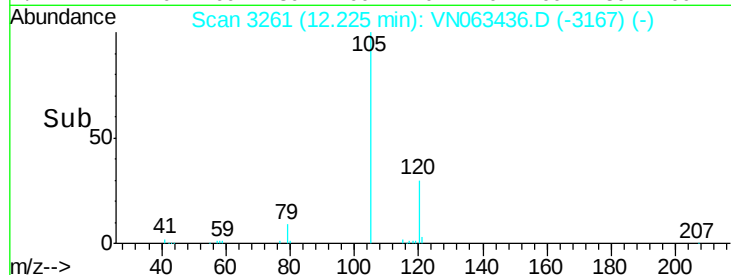
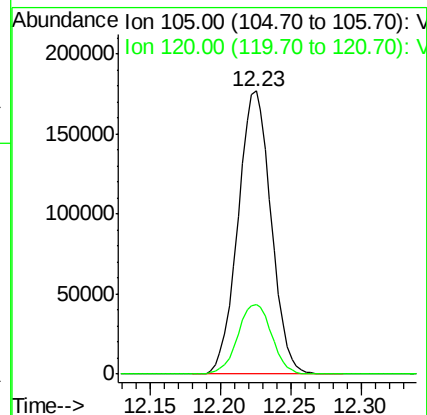
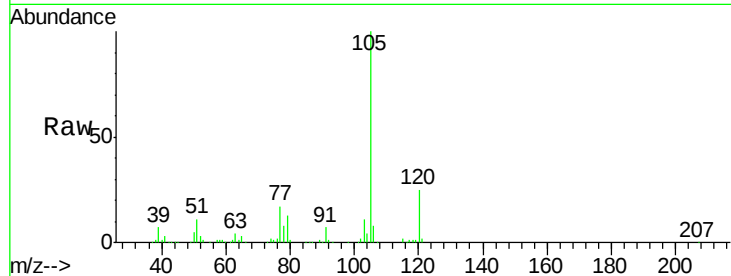
105 100

120 25.2 12.7 38.0

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#74

N-ethyl acetate

Concen: 16.438 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion: 43 Resp: 131823

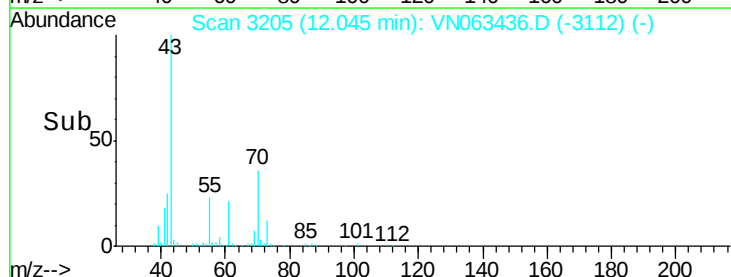
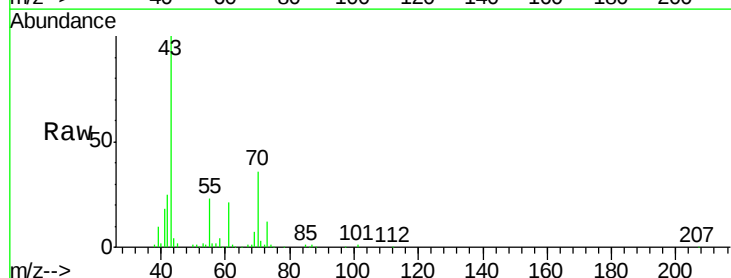
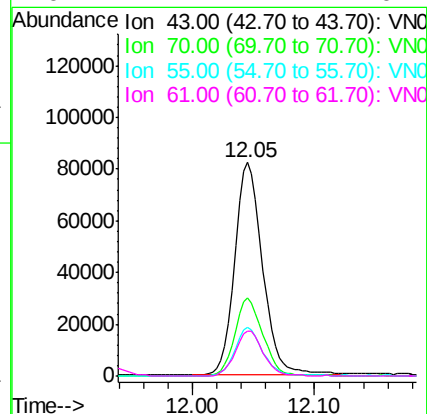
Ion Ratio Lower Upper

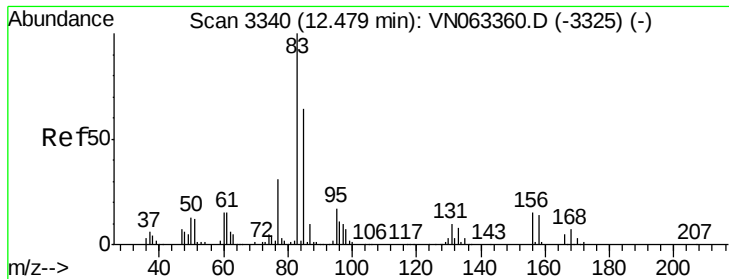
43 100

70 36.2 29.6 44.4

55 22.4 17.7 26.5

61 21.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.067 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

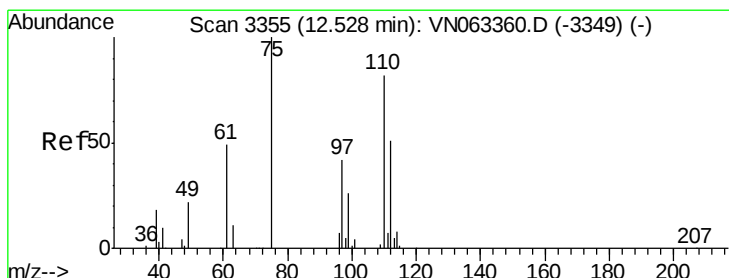
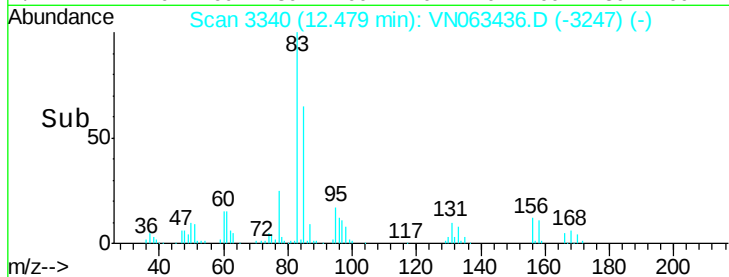
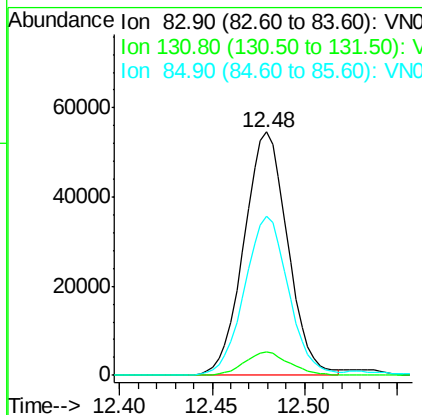
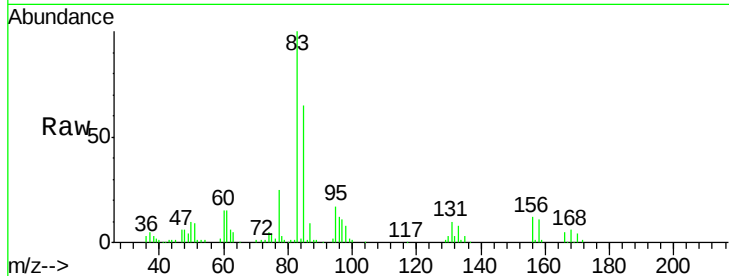
ClientSampleId :

VN0917MBS01

Tot Ion:	83	Resp:	89526
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	65.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 16.322 ug/l m

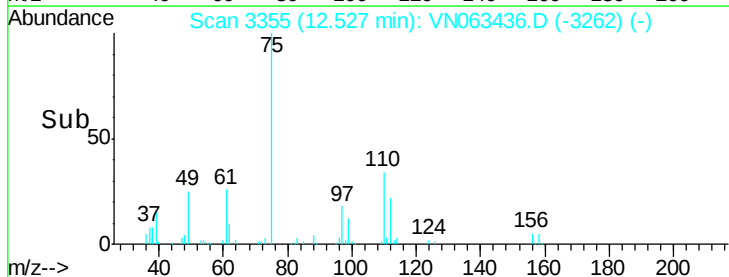
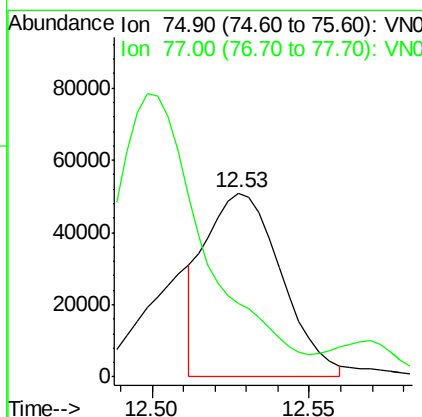
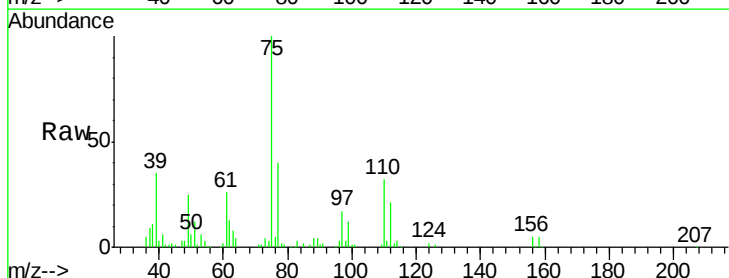
RT: 12.53 min Scan# 3355

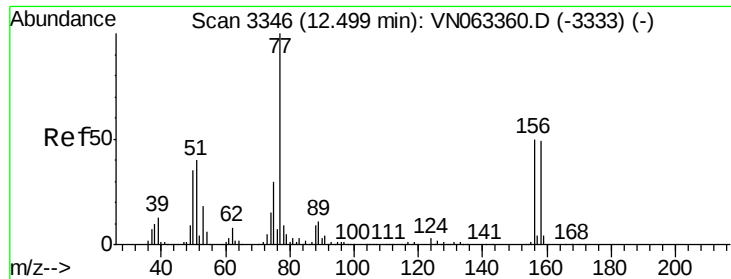
Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion:	75	Resp:	85405
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





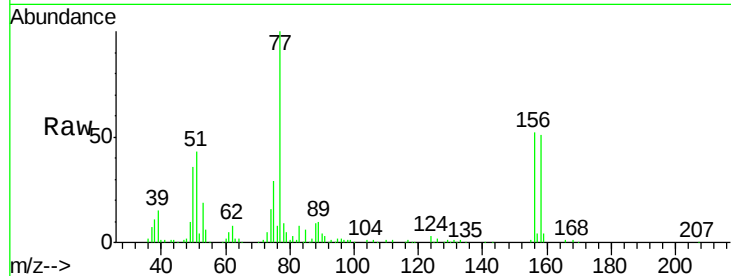
#77
Bromobenzene
Concen: 17.918 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampled :
VN0917MBS01

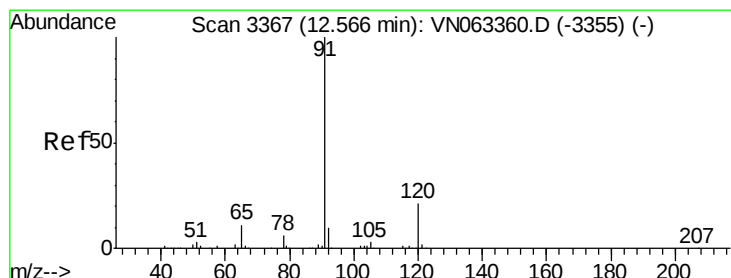
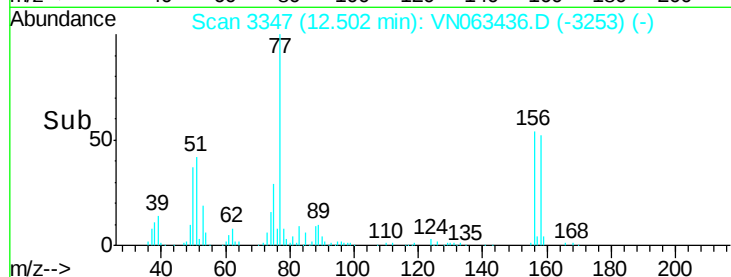
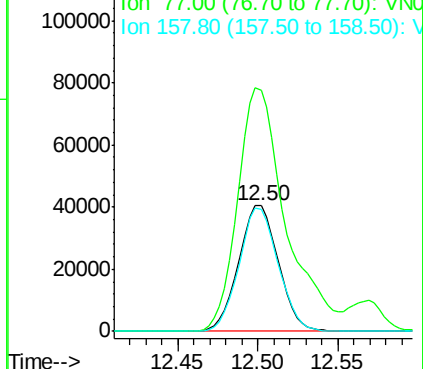
Tot Ion	Ratio	Lower	Upper
156	100		
77	235.0	120.2	360.6
158	96.6	48.9	146.6

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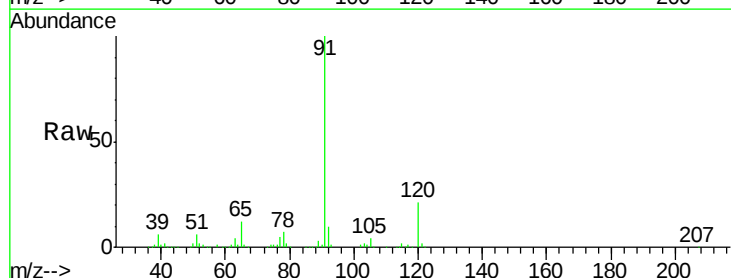


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

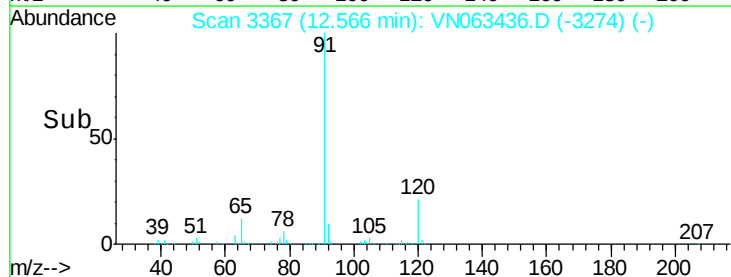
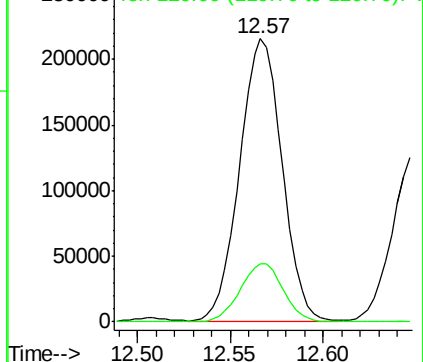


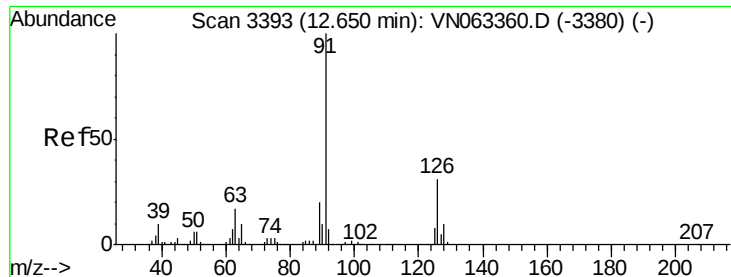
#78
n-propylbenzene
Concen: 17.296 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.728 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBS01

Tot Ion: 91 Resp: 209684

Ion Ratio Lower Upper

91 100

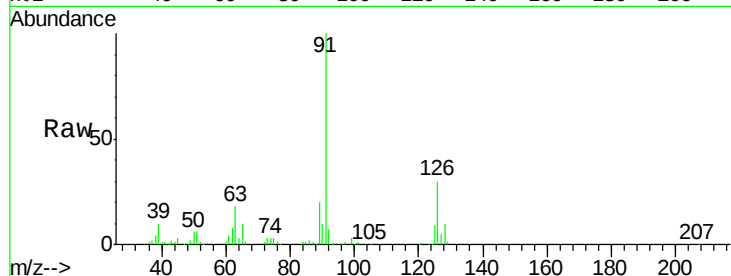
126 30.3 15.8 47.3

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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) (-)

250000

200000

150000

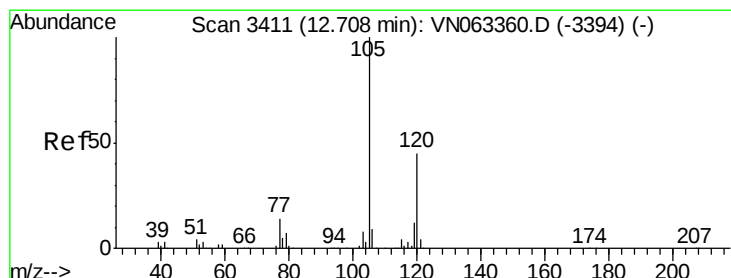
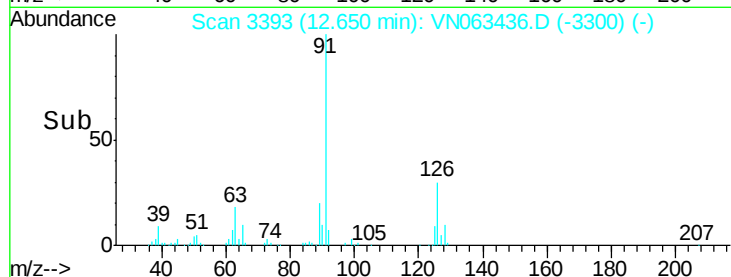
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.588 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063436.D

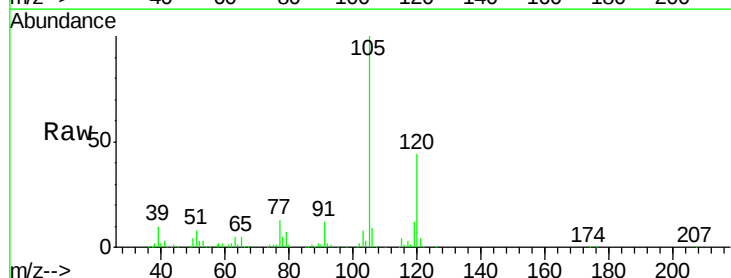
Acq: 17 Sep 2020 22:47

Tgt Ion:105 Resp: 248460

Ion Ratio Lower Upper

105 100

120 45.9 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

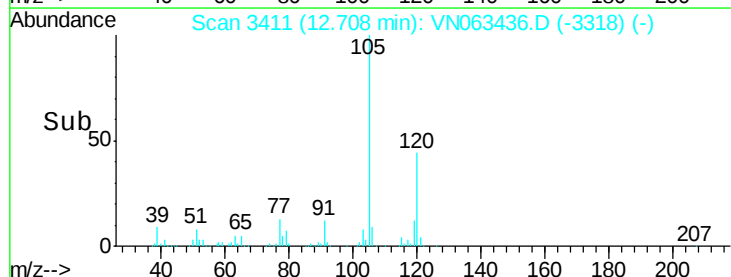
100000

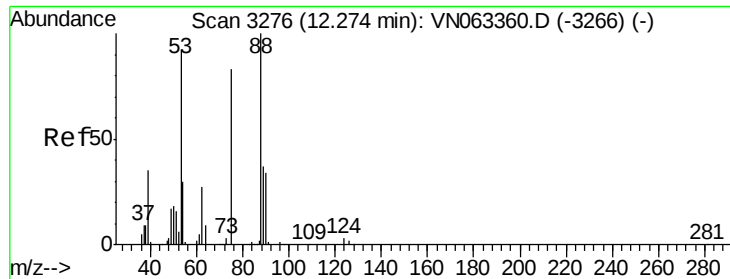
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.206 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

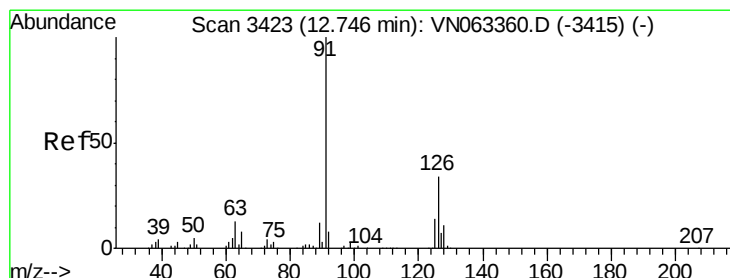
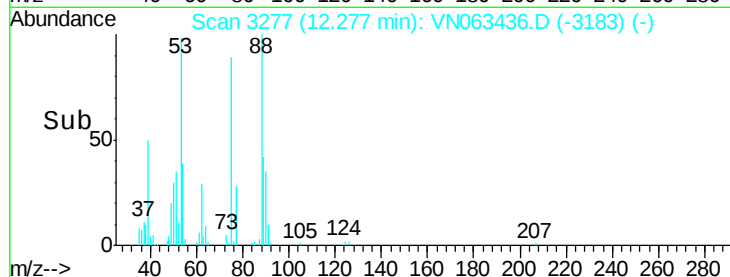
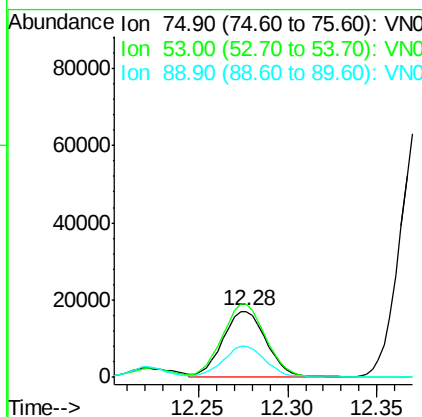
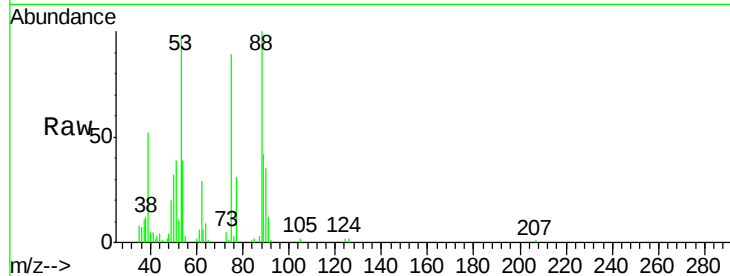
ClientSampleId :

VN0917MBS01

Tot Ion:	75	Resp:	29021
Ion	Ratio	Lower	Upper
75	100		
53	108.3	85.7	128.5
89	46.6	38.0	57.0

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#82

4-Chlorotoluene

Concen: 17.169 ug/l

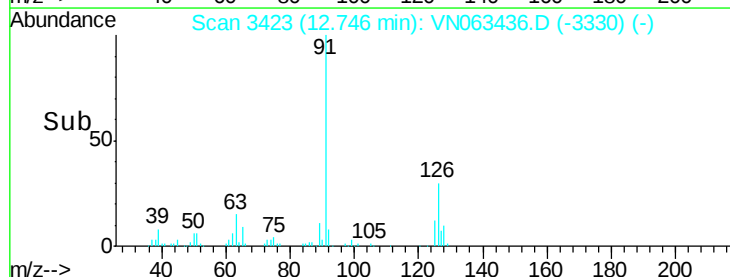
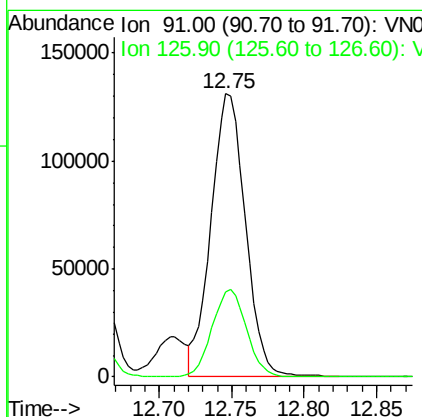
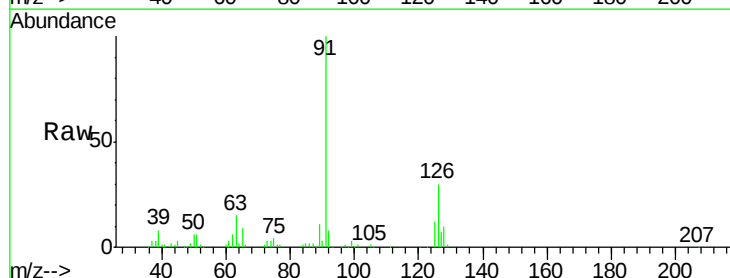
RT: 12.75 min Scan# 3423

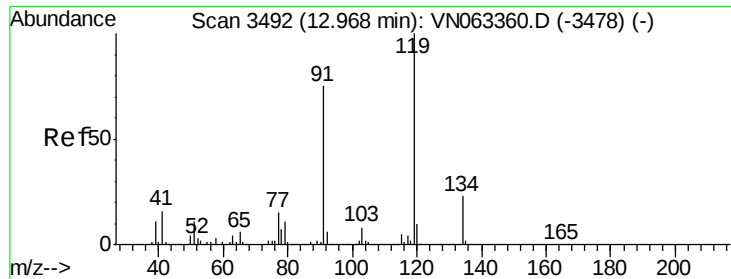
Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion:	91	Resp:	214565
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





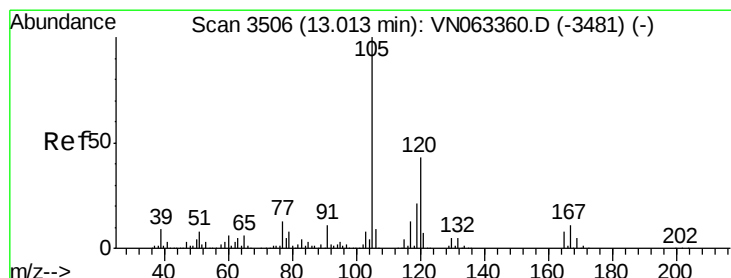
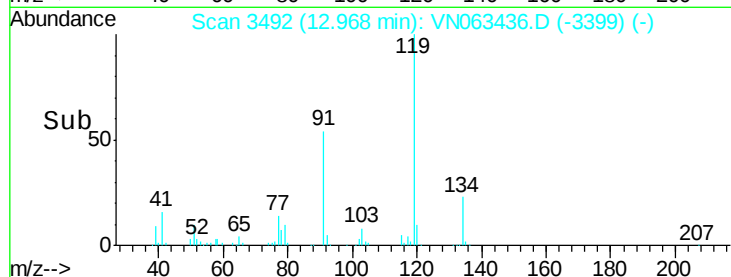
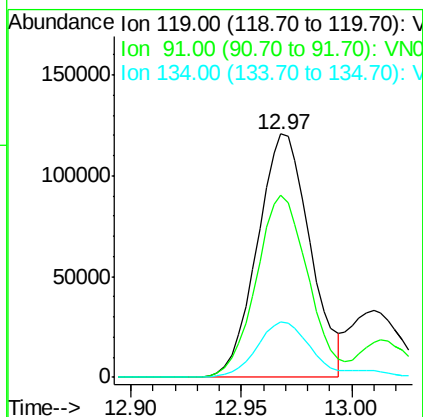
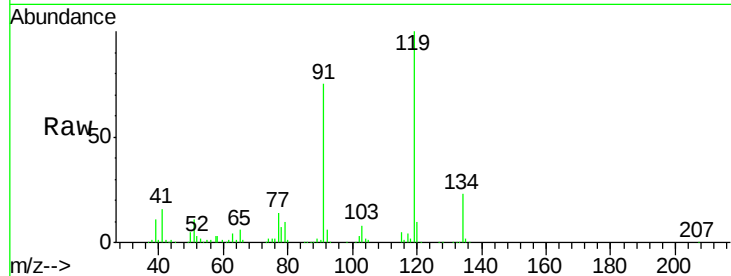
#83
tert-Butylbenzene
Concen: 17.178 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.7	36.3	108.9
134	23.3	12.3	36.8

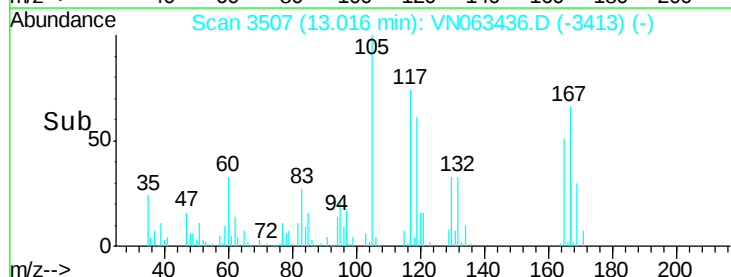
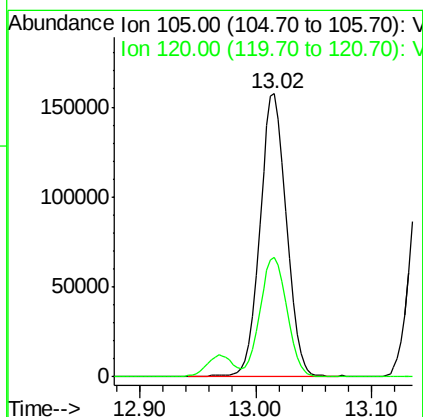
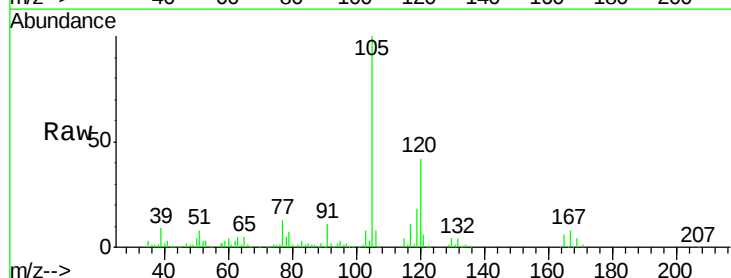
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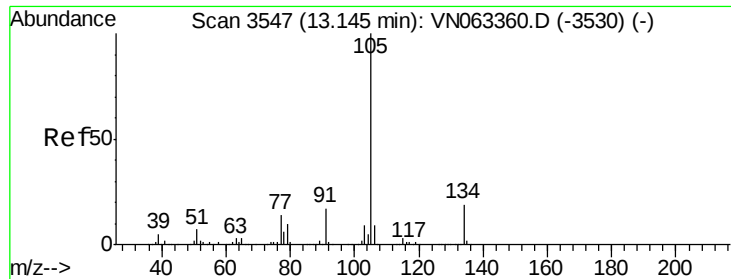
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#84
1,2,4-Trimethylbenzene
Concen: 17.591 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.3	63.9





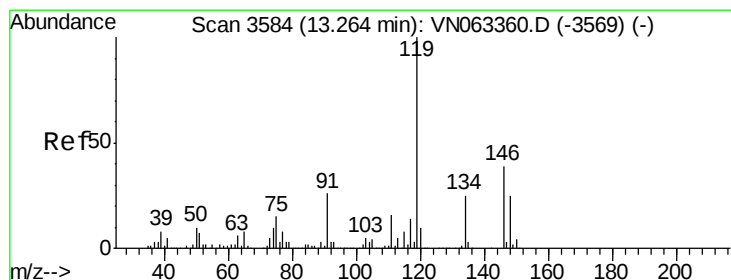
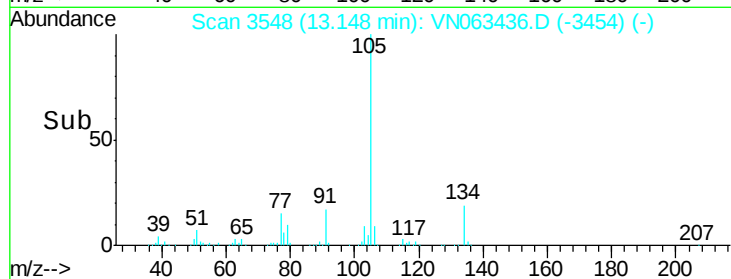
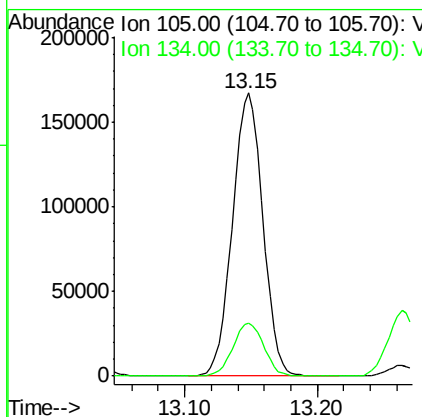
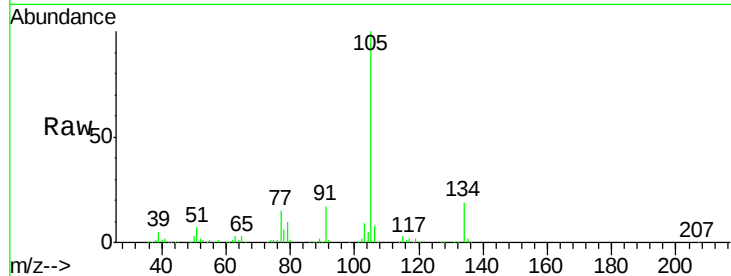
#85
 sec-Butylbenzene
 Concen: 17.059 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	266228		
134	19.0	9.3	27.7	

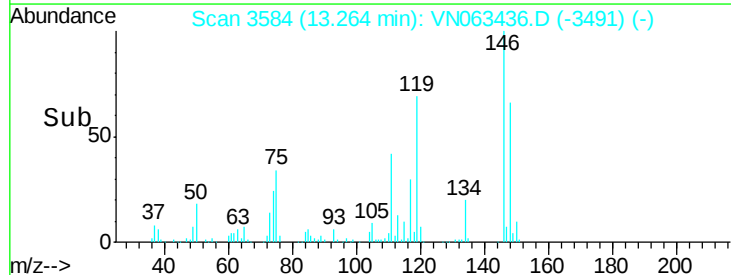
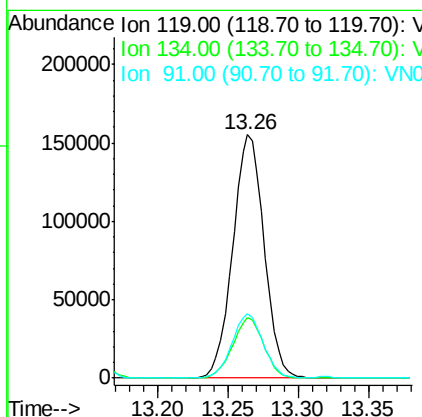
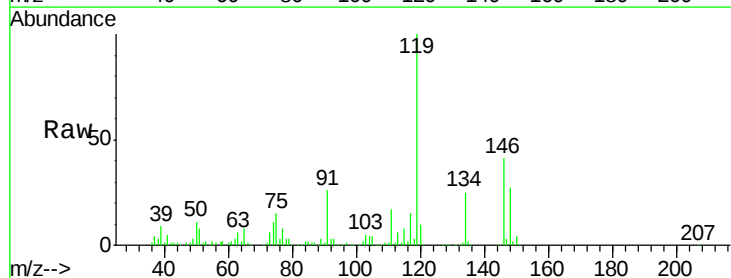
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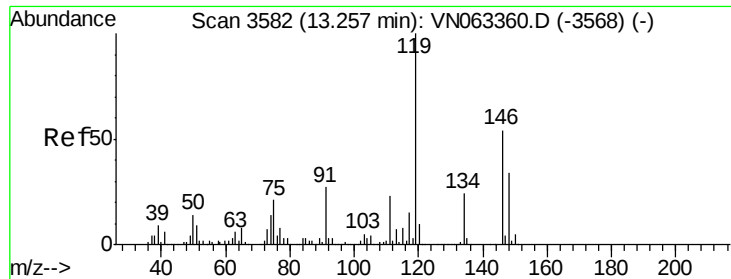
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#86
 p-Isopropyltoluene
 Concen: 17.508 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	241008		
134	24.5	12.5	37.5	
91	25.9	13.4	40.1	





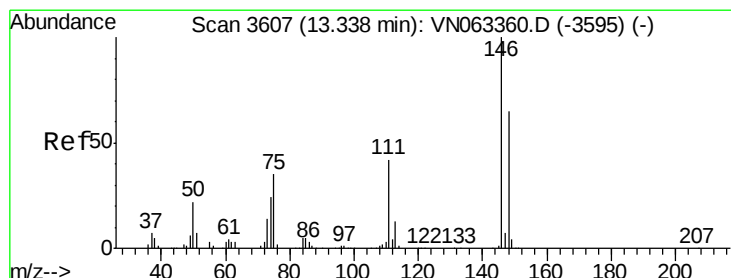
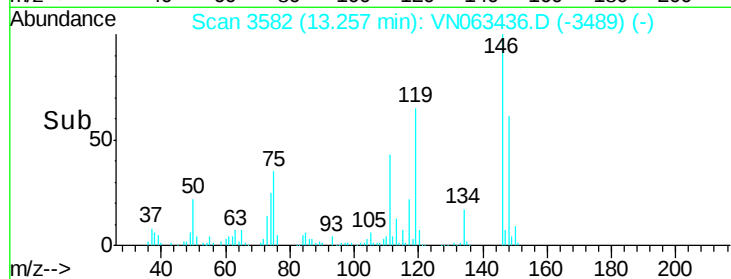
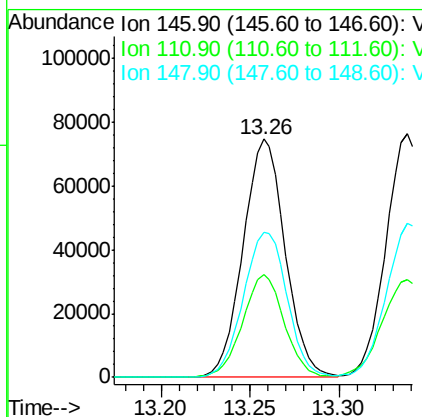
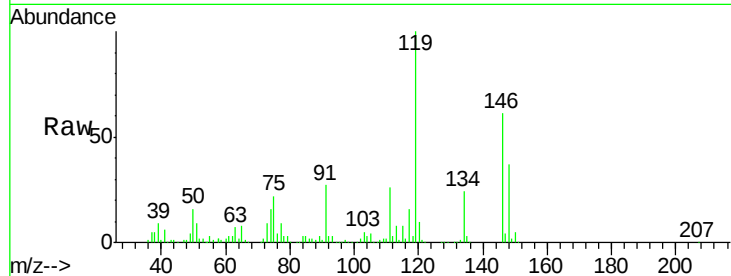
#87
 1,3-Dichlorobenzene
 Concen: 17.375 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122720		
111	42.6		21.4	64.3
148	63.4		31.9	95.7

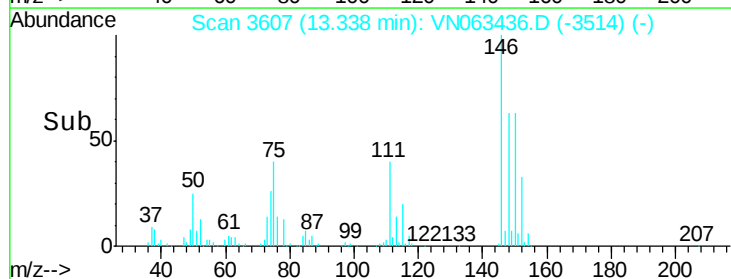
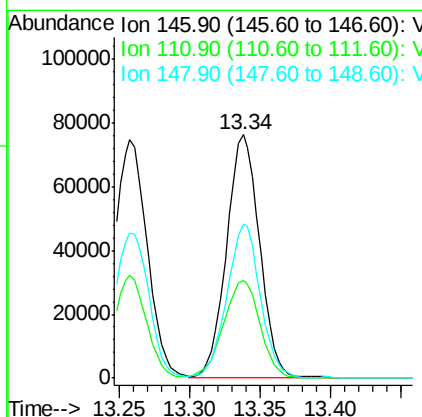
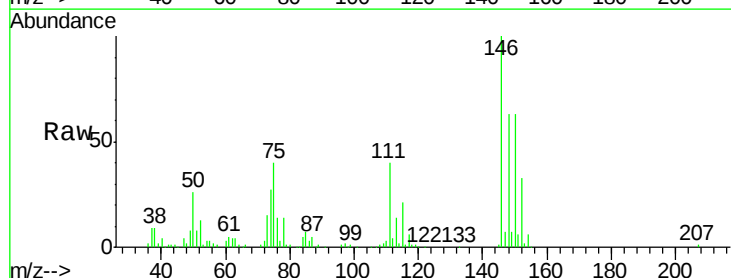
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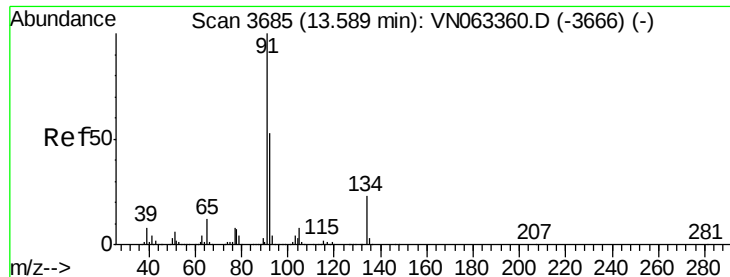
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#88
 1,4-Dichlorobenzene
 Concen: 17.339 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124510		
111	44.8		21.2	63.6
148	63.9		31.9	95.9





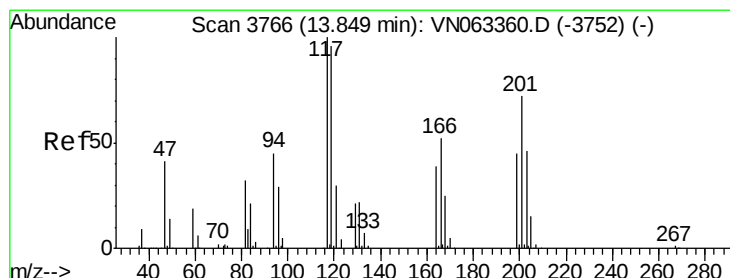
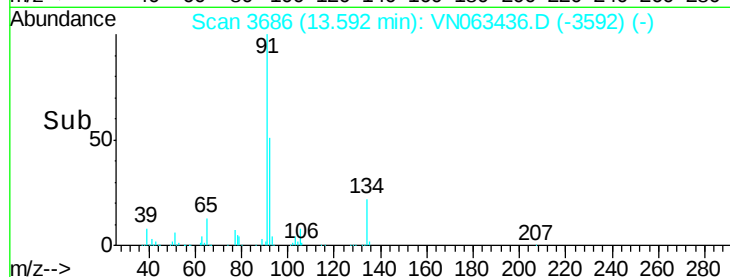
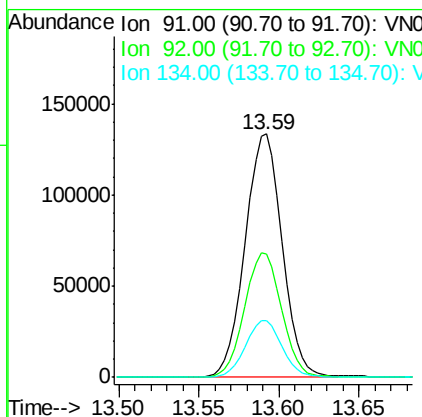
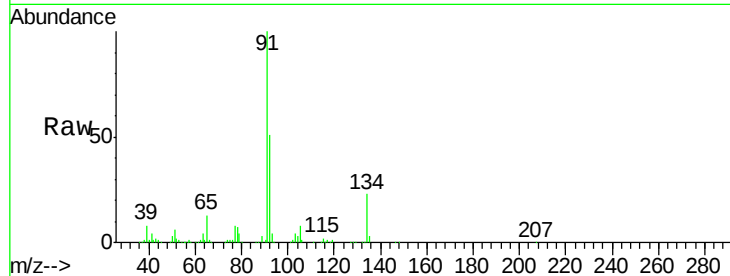
#89
n-Butylbenzene
Concen: 16.666 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	23.0	11.7	35.0

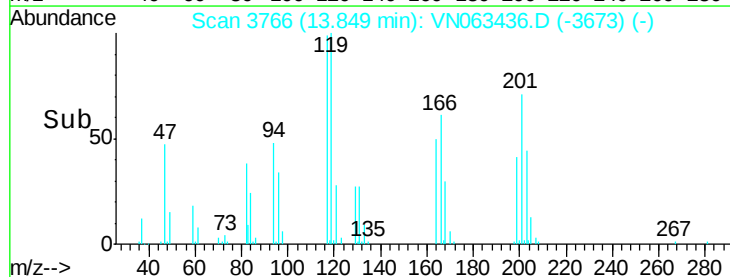
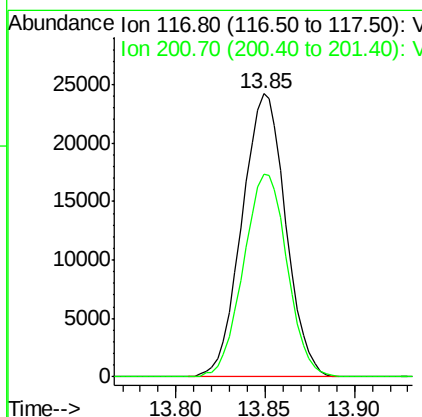
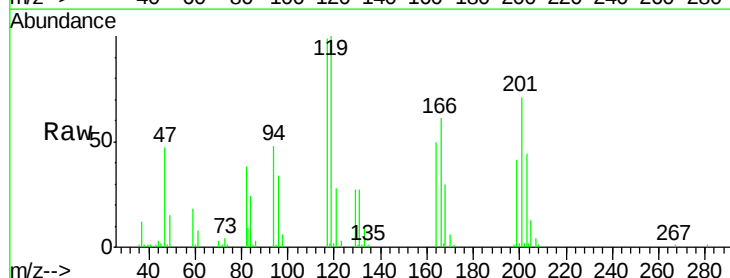
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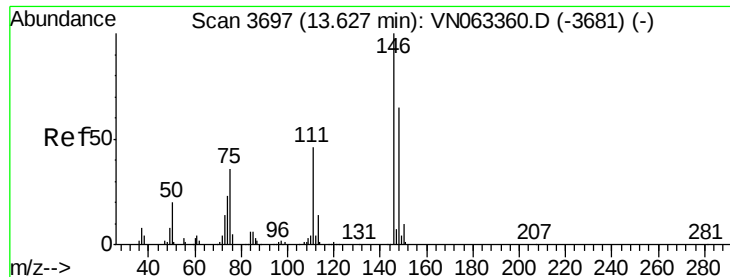
MMDadoda
9/18/2020 10:02:57 AM



#90
Hexachloroethane
Concen: 15.836 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063436.D
Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 17.542 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

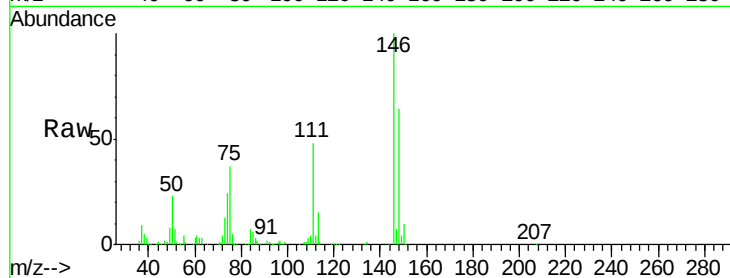
ClientSampleId :

VN0917MBS01

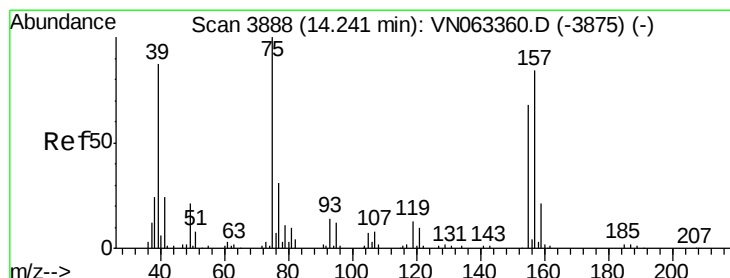
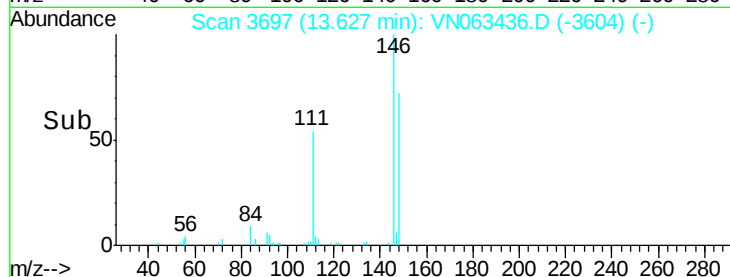
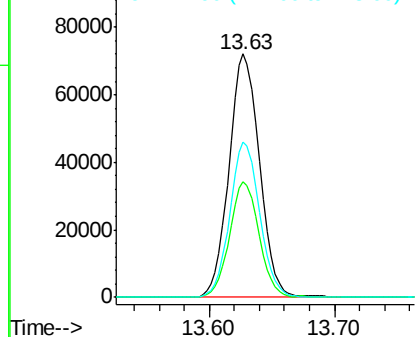
Tot Ion:	146	Resp:	121642
Ion Ratio	Lower	Upper	
146	100		
111	45.7	22.4	67.2
148	62.4	32.0	96.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.928 ug/l

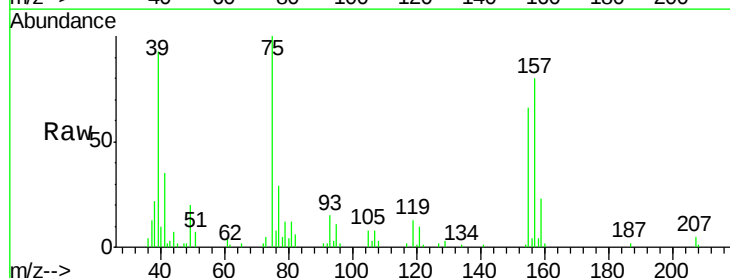
RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

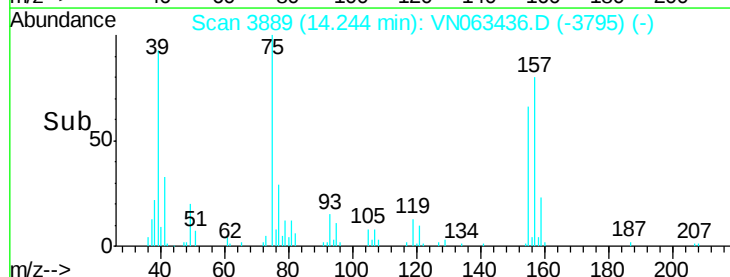
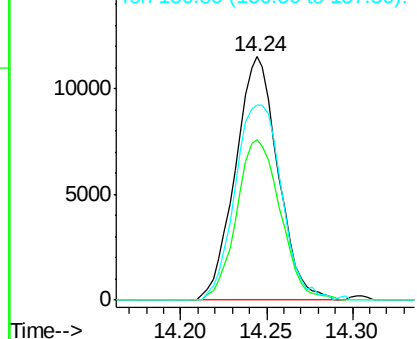
Lab File: VN063436.D

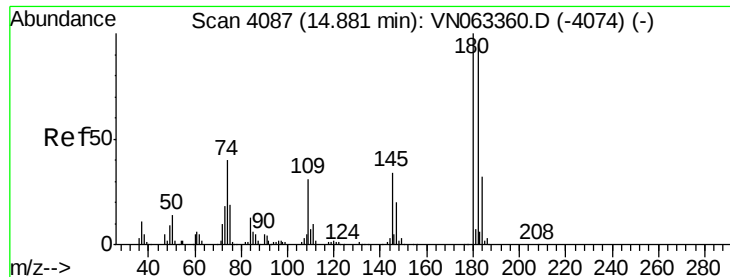
Acq: 17 Sep 2020 22:47

Tgt Ion:	75	Resp:	19895
Ion Ratio	Lower	Upper	
75	100		
155	67.4	34.6	103.9
157	87.4	43.7	131.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





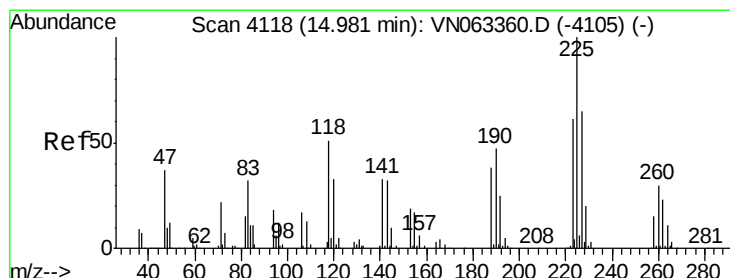
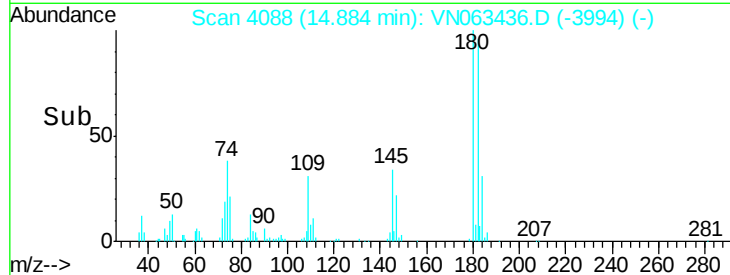
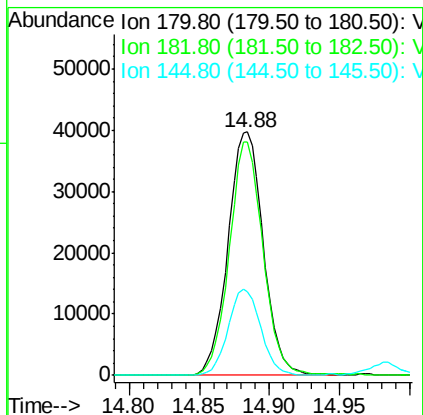
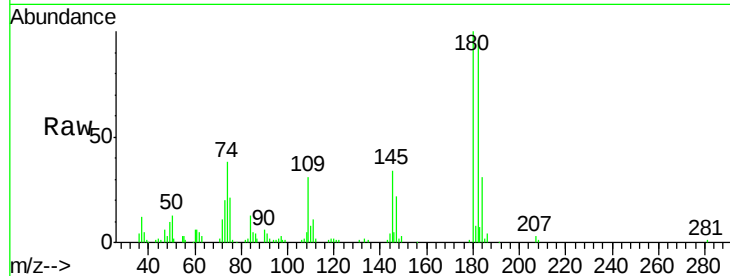
#93
 1,2,4-Trichlorobenzene
 Concen: 16.977 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.3	142.0
145	32.7	16.6	49.7

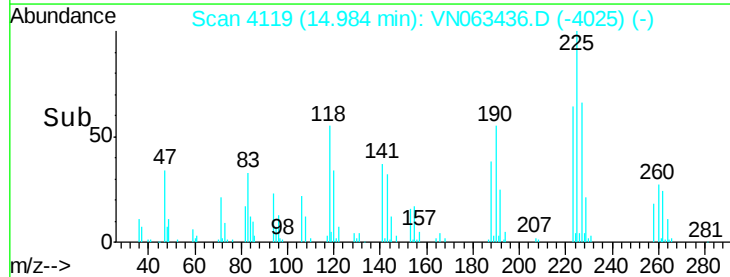
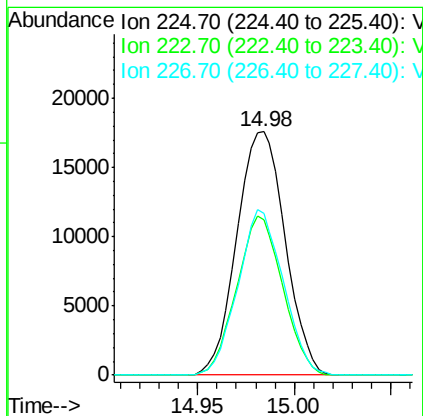
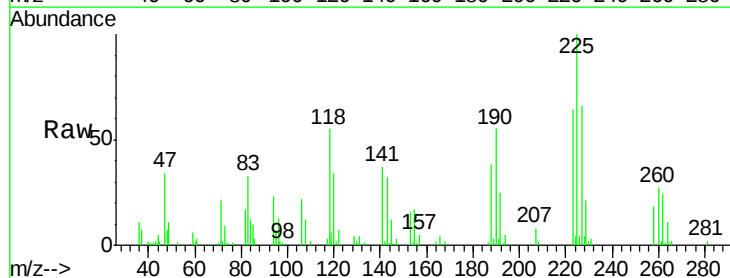
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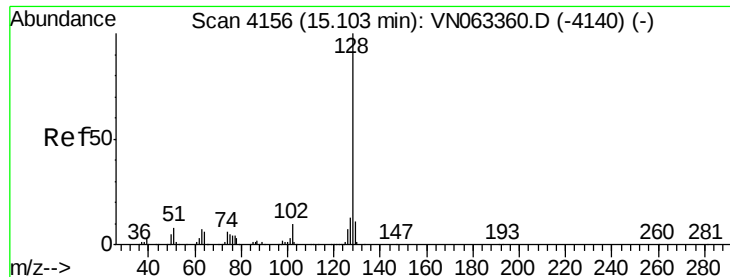
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#94
 Hexachlorobutadiene
 Concen: 18.035 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063436.D
 Acq: 17 Sep 2020 22:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.6	91.6
227	63.8	31.2	93.6





#95

Naphthalene

Concen: 16.365 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Instrument :

MSVOA_N

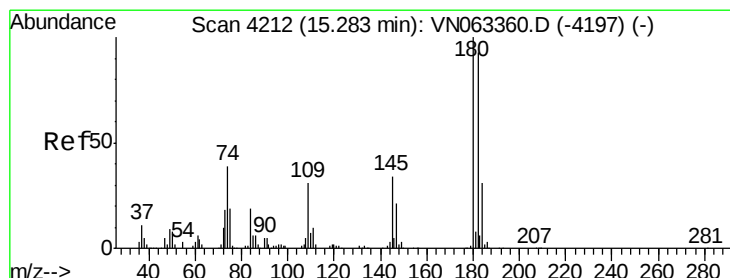
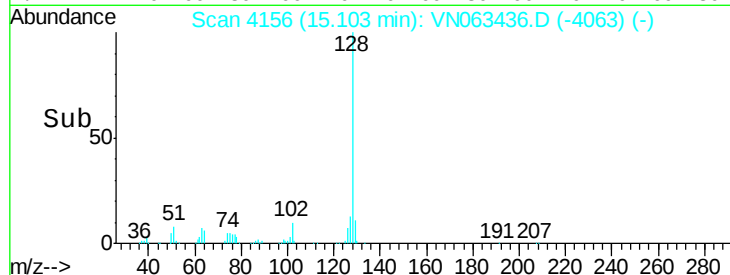
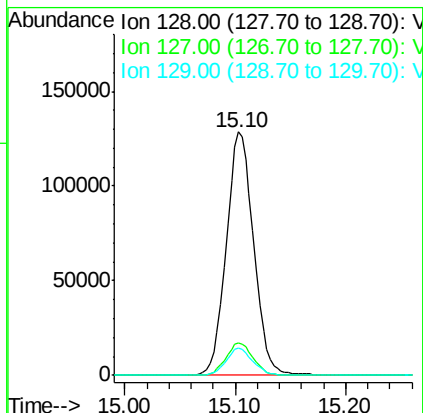
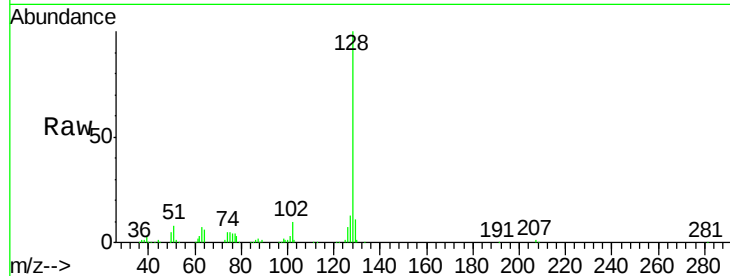
ClientSampleId :

VN0917MBS01

Tot Ion:	128	Resp:	221023
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.9	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 16.749 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063436.D

Acq: 17 Sep 2020 22:47

Tgt Ion:	180	Resp:	66160
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.7	140.1
145	34.4	16.8	50.3

