

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062152.D
 Acq On : 26 Jun 2020 20:15
 Operator : JC/MD
 Sample : L3020-19MSD
 Misc : 5.86g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Manual Integrations
 APPROVED

MMDadoda
 6/29/2020 12:35:44 PM

Quant Time: Jun 27 06:20:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	235656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	437930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	475532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	259879	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	164958	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
35) Dibromofluoromethane	7.54	113	128755	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
50) Toluene-d8	10.06	98	614812	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
62) 4-Bromofluorobenzene	12.37	95	322893	85.10	ug/l	0.00
Spiked Amount			Recovery	=	170.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	126551	47.510	ug/l	98
3) Chloromethane	2.03	50	181405	58.063	ug/l	98
4) Vinyl Chloride	2.16	62	200066	47.694	ug/l	99
5) Bromomethane	2.48	94	31324	11.554	ug/l	98
6) Chloroethane	2.61	64	19641	6.854	ug/l	89
7) Trichlorofluoromethane	2.92	101	280343	54.238	ug/l	99
8) Diethyl Ether	3.37	74	98102	54.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.68	101	131201	48.472	ug/l	99
10) Methyl Iodide	3.89	142	138169	45.326	ug/l	99
11) Tert butyl alcohol	4.81	59	121752m	256.418	ug/l	
12) 1,1-Dichloroethene	3.66	96	136471	50.435	ug/l	99
13) Acrolein	3.56	56	139838	300.808	ug/l	95
14) Allyl chloride	4.26	41	196511	53.341	ug/l	99
15) Acrylonitrile	4.93	53	346343	267.674	ug/l	100
16) Acetone	3.78	43	276243	266.387	ug/l	97
17) Carbon Disulfide	3.98	76	377002	48.644	ug/l	100
18) Methyl Acetate	4.27	43	151825	57.752	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	469653	54.317	ug/l	96
20) Methylene Chloride	4.49	84	162003	53.378	ug/l	97
21) trans-1,2-Dichloroethene	4.97	96	147883	47.974	ug/l	98
22) Diisopropyl ether	5.90	45	455424	54.293	ug/l	97
23) Vinyl Acetate	5.84	43	1879714	274.470	ug/l	99
24) 1,1-Dichloroethane	5.79	63	270571	50.092	ug/l	99
25) 2-Butanone	6.79	43	417482	258.272	ug/l	98
26) 2,2-Dichloropropane	6.77	77	187900	41.745	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	177107	51.059	ug/l	99
28) Bromochloromethane	7.15	49	115307	49.201	ug/l	95
29) Tetrahydrofuran	7.17	42	280815	265.209	ug/l	100
30) Chloroform	7.32	83	272126	49.517	ug/l	99
31) Cyclohexane	7.60	56	291267	63.749	ug/l	94
32) 1,1,1-Trichloroethane	7.52	97	224501	48.440	ug/l	99
36) 1,1-Dichloropropene	7.74	75	202026	45.896	ug/l	99
37) Ethyl Acetate	6.88	43	183554	50.358	ug/l	98
38) Carbon Tetrachloride	7.73	117	182828	44.055	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	758111	157.185	ug/l	96
40) Benzene	8.00	78	623232	46.452	ug/l	99
41) Methacrylonitrile	7.14	41	80040m	47.366	ug/l	
42) 1,2-Dichloroethane	8.08	62	213125	47.016	ug/l	95
43) Isopropyl Acetate	8.13	43	419306	70.568	ug/l #	88
44) Trichloroethene	8.80	130	159510	47.131	ug/l	99
45) 1,2-Dichloropropane	9.08	63	169670	51.260	ug/l	99
46) Dibromomethane	9.17	93	106057	47.259	ug/l	97
47) Bromodichloromethane	9.37	83	255332	56.349	ug/l #	95
48) Methyl methacrylate	9.17	41	147846	55.494	ug/l	91
49) 1,4-Dioxane	9.18	88	55672	942.292	ug/l #	78
51) 4-Methyl-2-Pentanone	9.96	43	965779m	278.194	ug/l	
52) Toluene	10.12	92	424206	51.820	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	259389	52.031	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	266211	50.157	ug/l #	87
55) 1,1,2-Trichloroethane	10.53	97	129621m	40.281	ug/l	
56) Ethyl methacrylate	10.40	69	254394	59.238	ug/l #	61
57) 1,3-Dichloropropane	10.68	76	286704	51.763	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	542632	293.770	ug/l	98
59) 2-Hexanone	10.73	43	644913	257.262	ug/l	93
60) Dibromochloromethane	10.88	129	169756	49.828	ug/l	99
61) 1,2-Dibromoethane	10.98	107	175574	53.100	ug/l #	37
64) Tetrachloroethene	10.60	164	132883	40.908	ug/l	97
65) Chlorobenzene	11.41	112	496807	47.574	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	173018	47.914	ug/l	100
67) Ethyl Benzene	11.48	91	5489666	311.267	ug/l #	77
68) m/p-Xylenes	11.60	106	2107549	308.956	ug/l	96
69) o-Xylene	11.92	106	346624	53.856	ug/l	95
70) Styrene	11.94	104	590954	55.055	ug/l	98
71) Bromoform	12.10	173	125755	48.981	ug/l #	97
73) Isopropylbenzene	12.23	105	2226910	110.699	ug/l	100
74) N-amyl acetate	12.05	43	365874m	49.447	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.48	83	257304	38.436	ug/l #	51
76) 1,2,3-Trichloropropane	12.53	75	231921m	37.909	ug/l	
77) Bromobenzene	12.50	156	230461	46.145	ug/l	93
78) n-propylbenzene	12.57	91	5801780	252.135	ug/l	85
79) 2-Chlorotoluene	12.66	91	1346658m	96.806	ug/l	
80) 1,3,5-Trimethylbenzene	12.71	105	5875861	360.312	ug/l	78
81) trans-1,4-Dichloro-2-buten	12.28	75	89947	42.937	ug/l #	73
82) 4-Chlorotoluene	12.75	91	642276	44.648	ug/l	93
83) tert-Butylbenzene	12.97	119	671354	48.104	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	9568427m	587.482	ug/l	
85) sec-Butylbenzene	13.15	105	1796346	97.408	ug/l #	77
86) p-Isopropyltoluene	13.26	119	1308532	80.989	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	401225	45.750	ug/l	94
88) 1,4-Dichlorobenzene	13.34	146	404351	44.728	ug/l	96
89) n-Butylbenzene	13.59	91	2907289	216.437	ug/l #	73
90) Hexachloroethane	13.86	117	813689	256.688	ug/l #	32
91) 1,2-Dichlorobenzene	13.63	146	410642	48.286	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	14.24	75	126100	117.587	ug/l #	49

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	272073	73.233	ug/l #	30
94) Hexachlorobutadiene	14.99	225	107189	66.428	ug/l	99
95) Naphthalene	15.10	128	5980501	448.219	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.28	180	258734	68.110	ug/l #	84

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

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Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:168 Resp: 235656

Ion Ratio Lower Upper

168 100

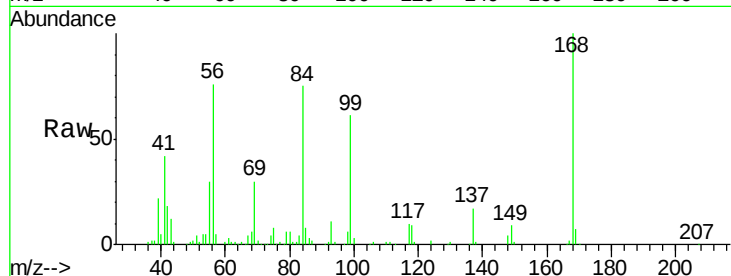
99 60.7 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

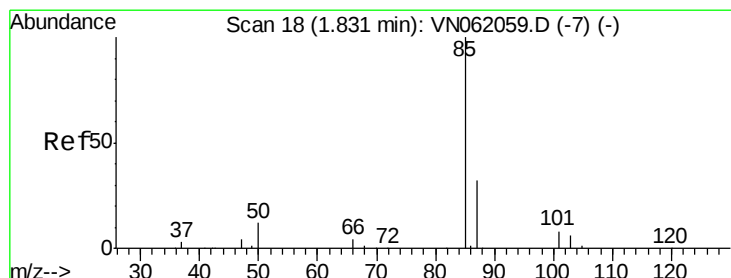
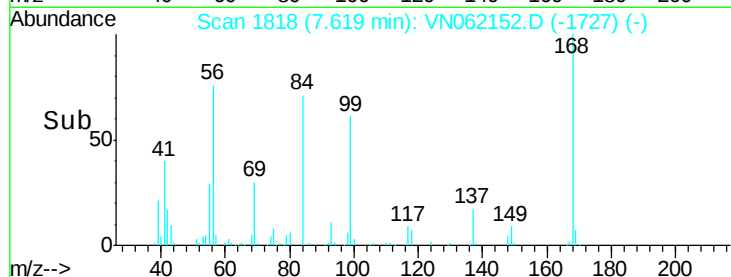
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.510 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN062152.D

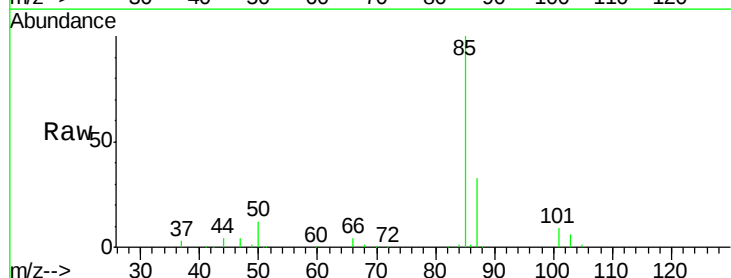
Acq: 26 Jun 2020 20:15

Tgt Ion: 85 Resp: 126551

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

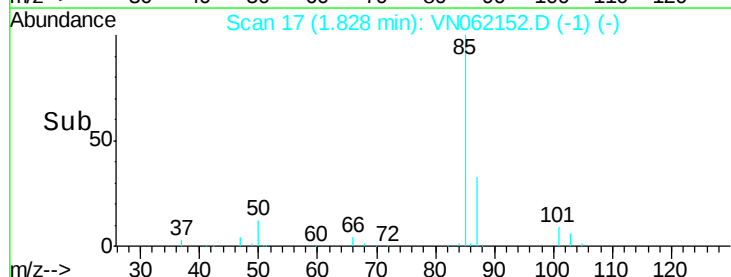
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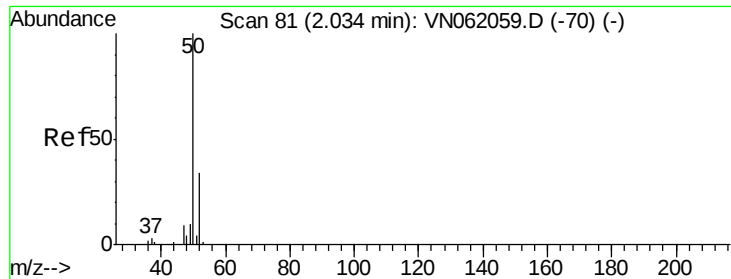
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 58.063 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 50 Resp: 181405

Ion Ratio Lower Upper

50 100

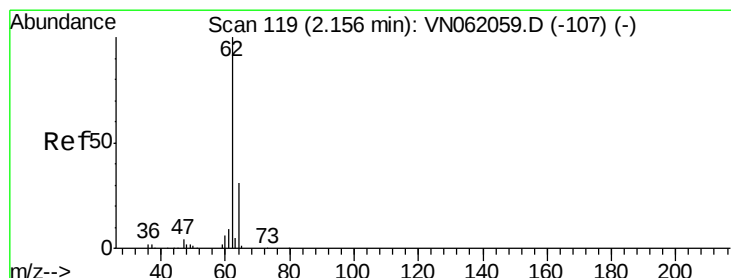
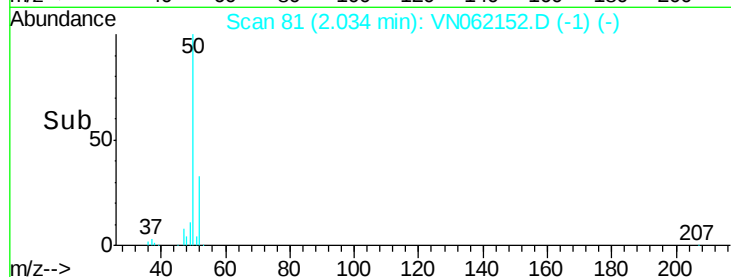
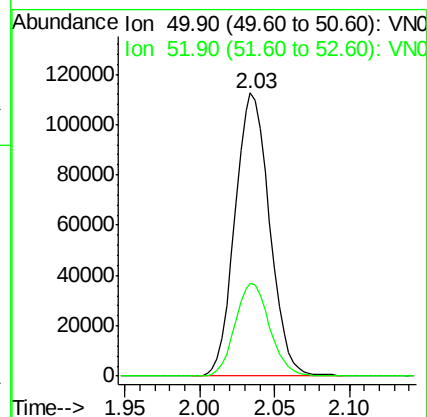
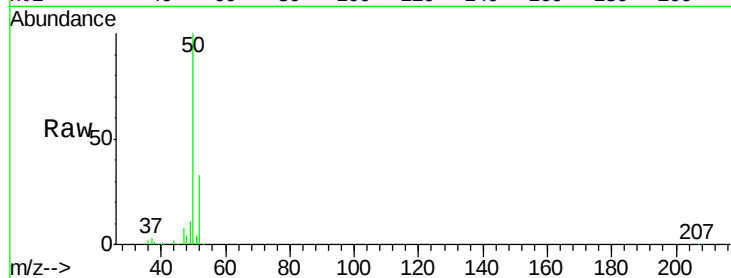
52 32.9 27.0 40.6

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#4

Vinyl Chloride

Concen: 47.694 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN062152.D

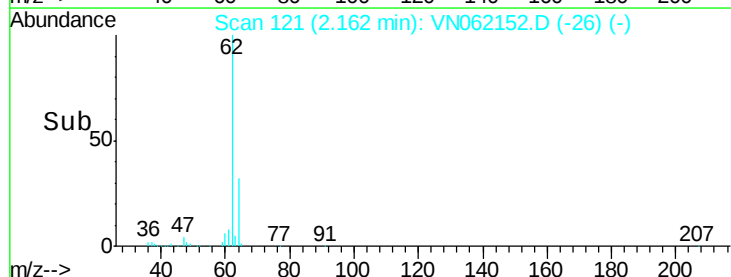
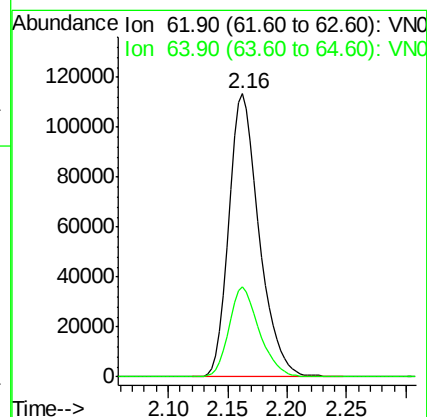
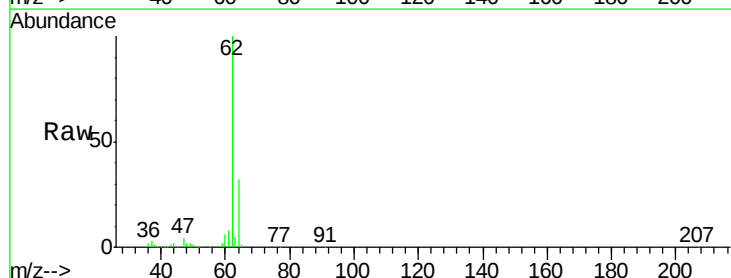
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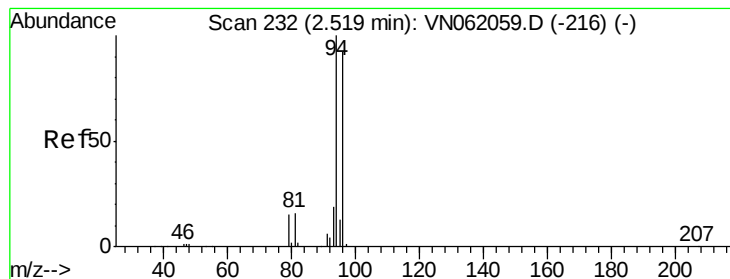
Tgt Ion: 62 Resp: 200066

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 11.554 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.04 min

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Tot Ion: 94 Resp: 31324

Ion Ratio Lower Upper

94 100

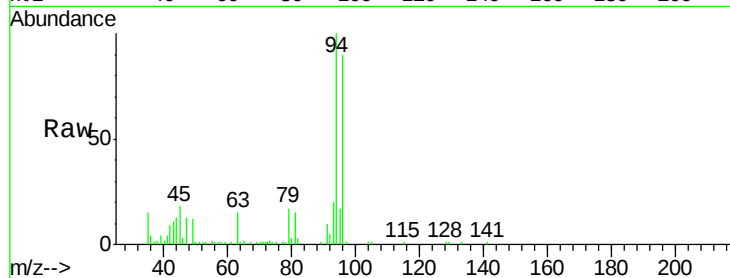
96 89.6 73.4 110.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

25000

20000

15000

10000

5000

0

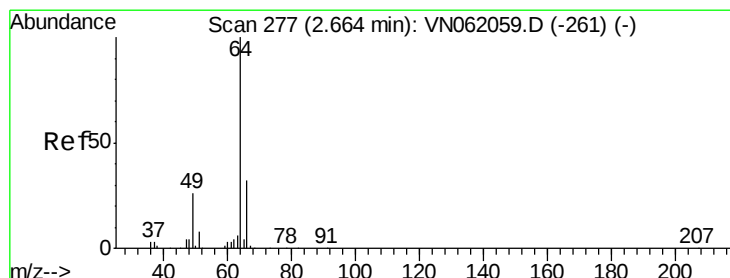
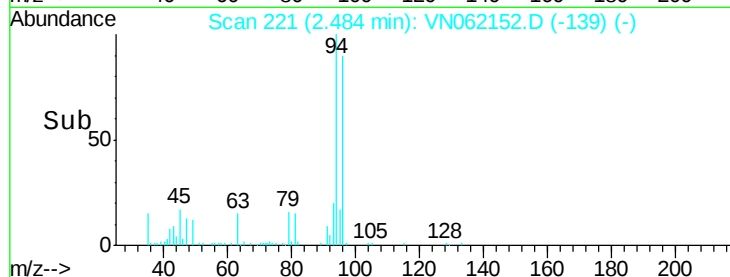
Time-->

2.40

2.45

2.50

2.55



#6

Chloroethane

Concen: 6.854 ug/l

RT: 2.61 min Scan# 261

Delta R.T. -0.05 min

Lab File: VN062152.D

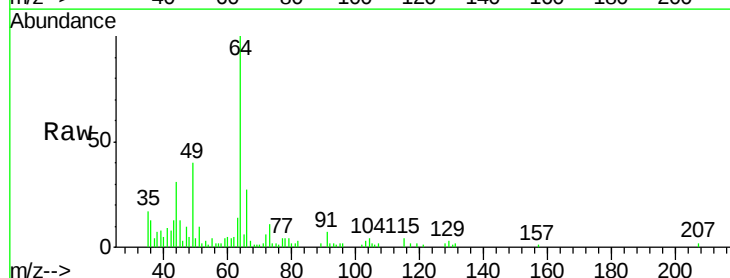
Acq: 26 Jun 2020 20:15

Tgt Ion: 64 Resp: 19641

Ion Ratio Lower Upper

64 100

66 26.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

15000

10000

5000

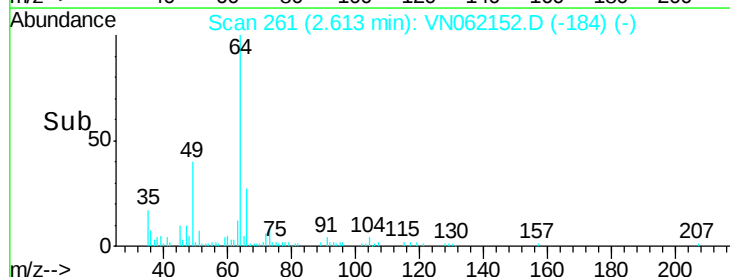
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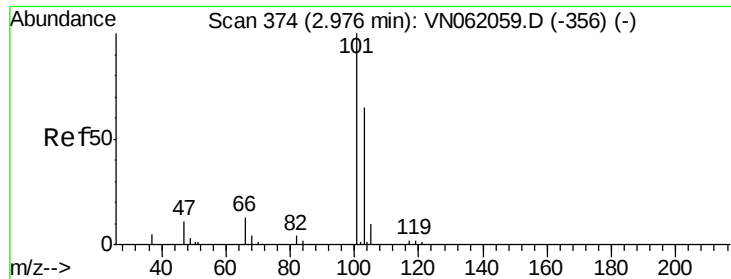
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2.60

2.65

2.70





#7

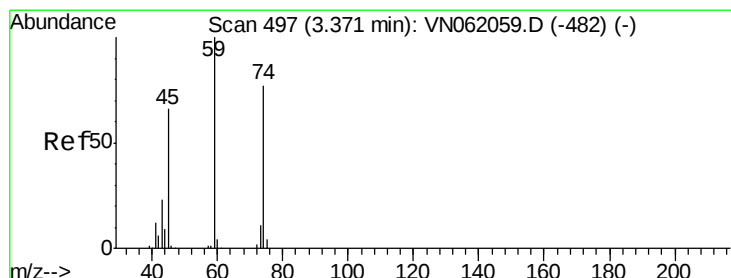
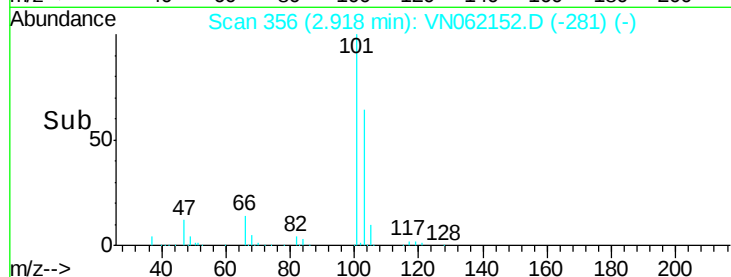
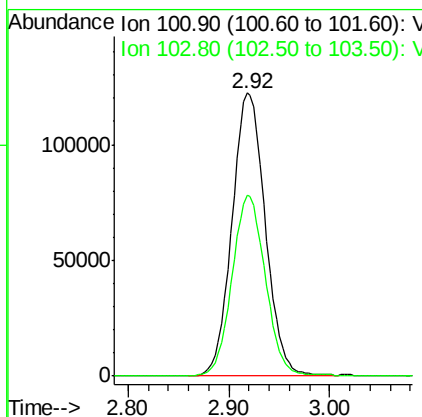
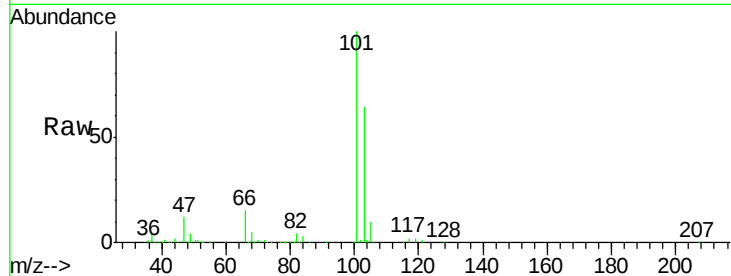
Trichlorofluoromethane
Concen: 54.238 ug/l
RT: 2.92 min Scan# 356
Delta R.T. -0.06 min
Lab File: VN062152.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.8	77.6

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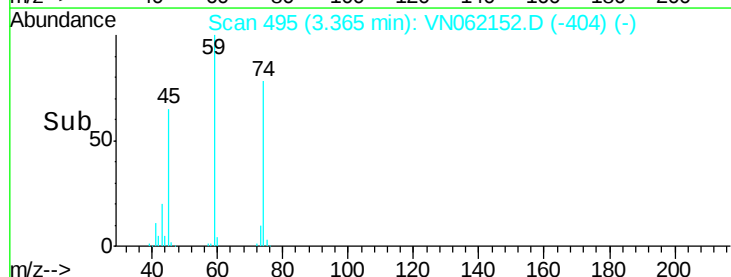
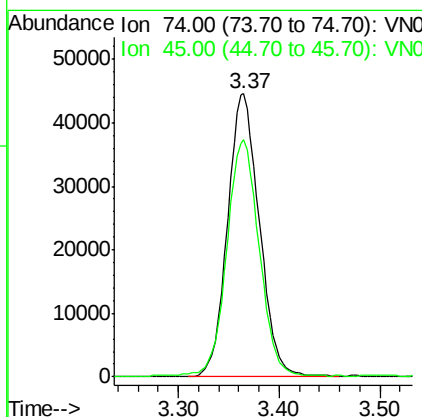
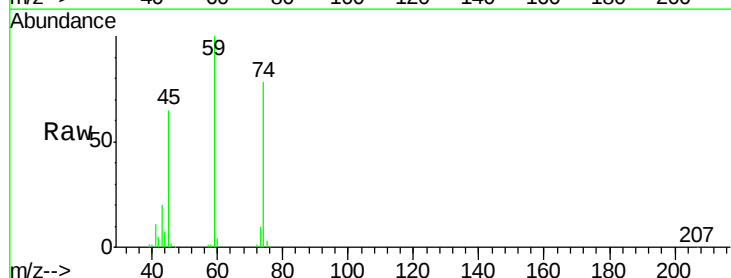
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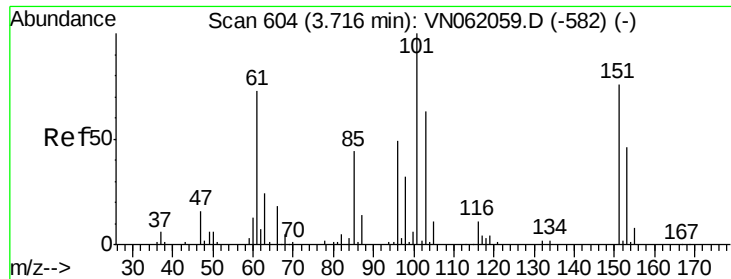


#8

Diethyl Ether
Concen: 54.354 ug/l
RT: 3.37 min Scan# 495
Delta R.T. -0.01 min
Lab File: VN062152.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.2	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.472 ug/l

RT: 3.68 min Scan# 594

Delta R.T. -0.03 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

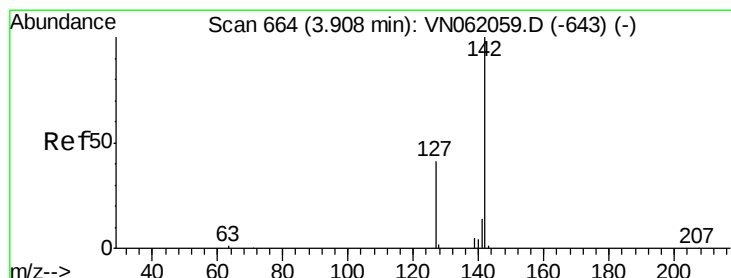
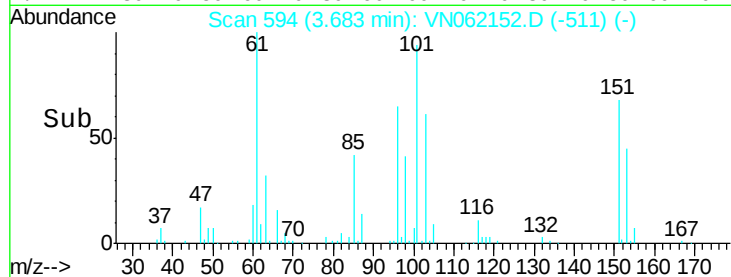
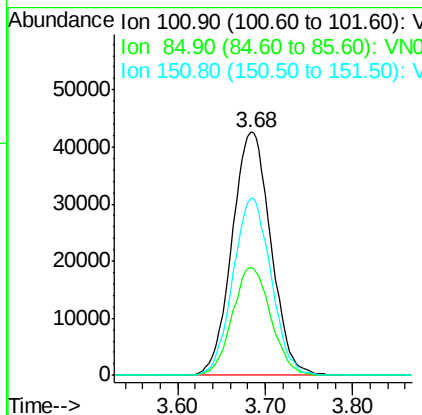
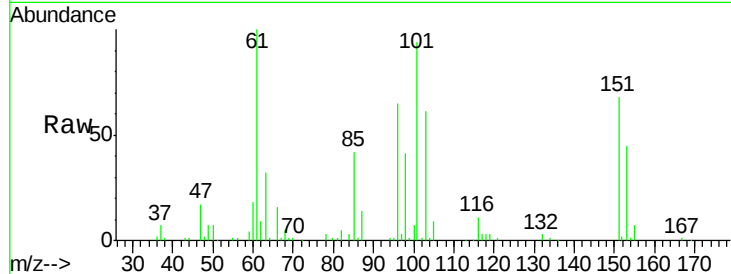
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	101	Resp:	131201
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.5	51.7
151	71.4	57.8	86.8

Manual Integrations
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#10

Methyl Iodide

Concen: 45.326 ug/l

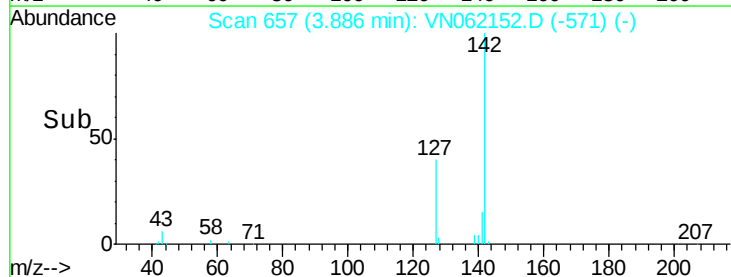
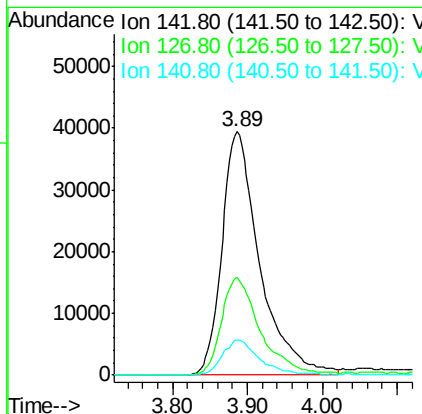
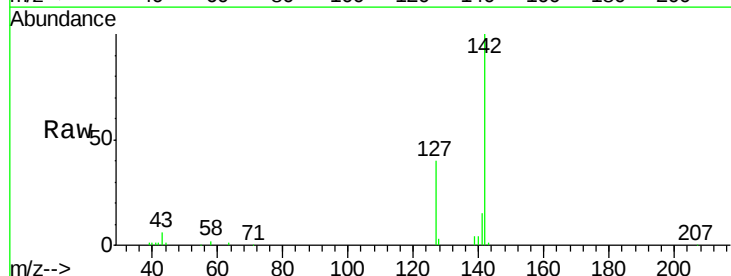
RT: 3.89 min Scan# 657

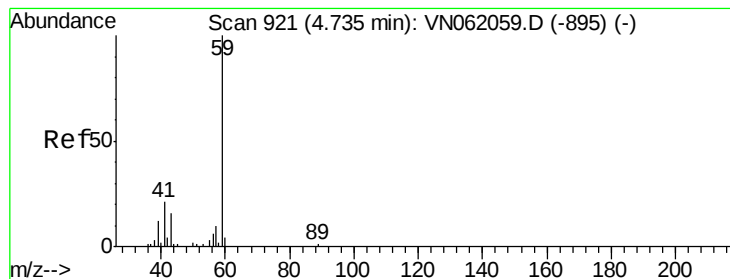
Delta R.T. -0.02 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion:	142	Resp:	138169
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.6	50.4
141	13.9	11.3	16.9





#11

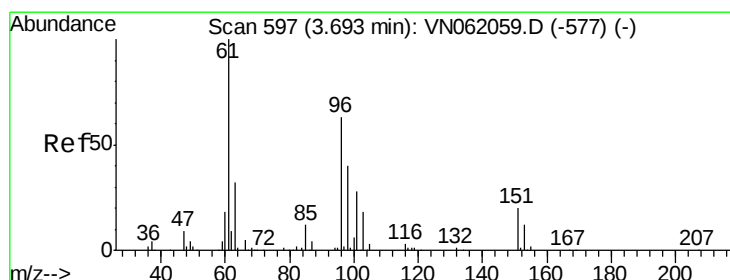
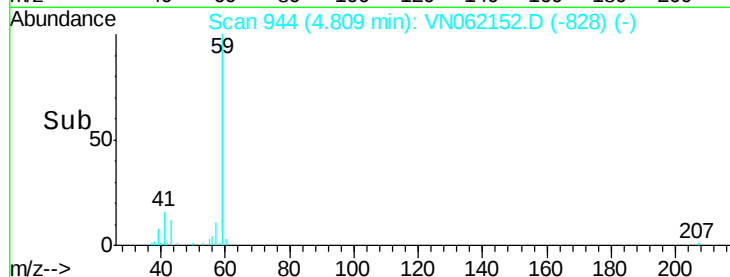
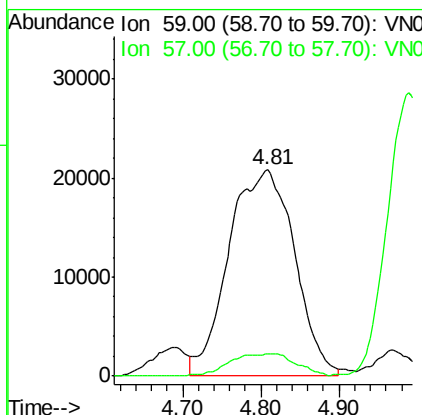
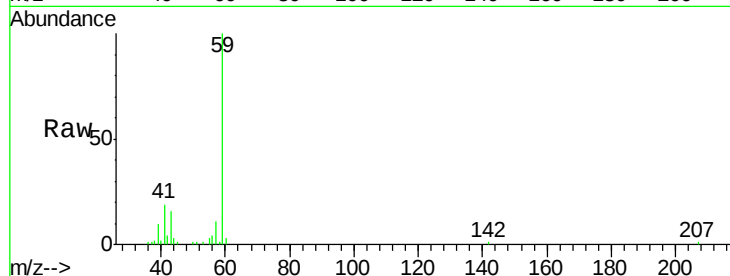
Tert butyl alcohol
Concen: 256.418 ug/l m
RT: 4.81 min Scan# 944
Delta R.T. 0.07 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	0.0	8.3	12.5#	

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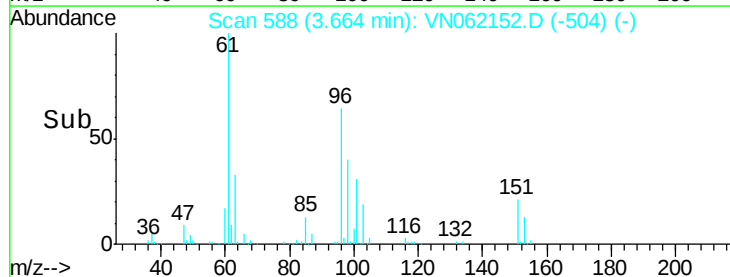
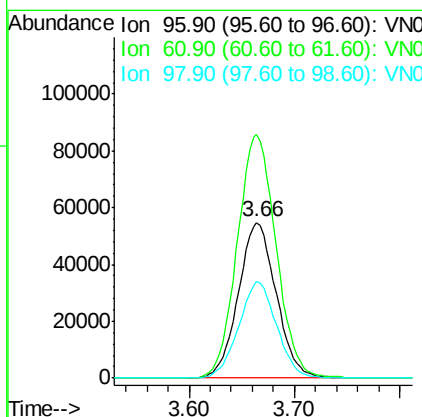
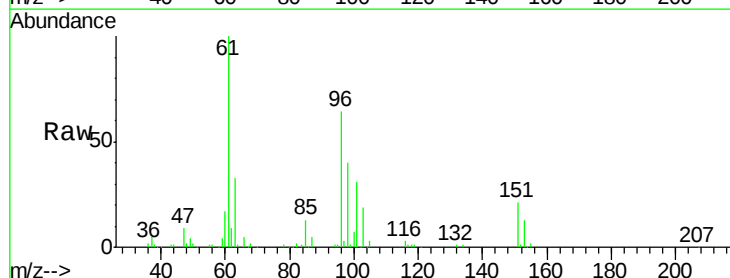
MMDadoda
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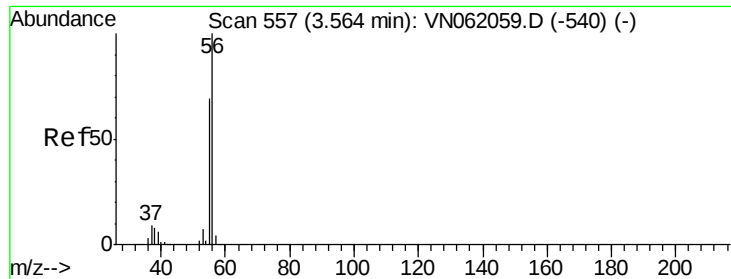


#12

1,1-Dichloroethene
Concen: 50.435 ug/l
RT: 3.66 min Scan# 588
Delta R.T. -0.03 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	156.7	126.7	190.1	
98	62.4	51.0	76.4	





#13

Acrolein

Concen: 300.808 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 56 Resp: 139838

Ion Ratio Lower Upper

56 100

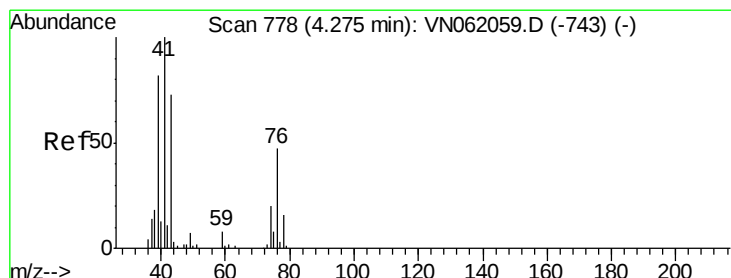
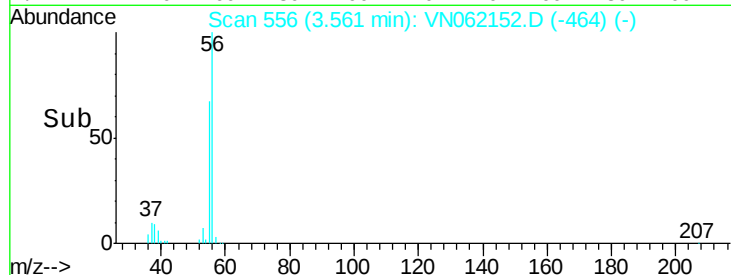
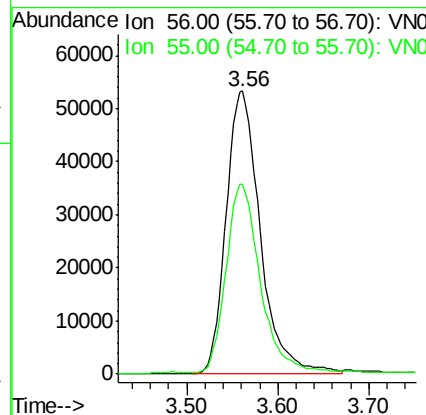
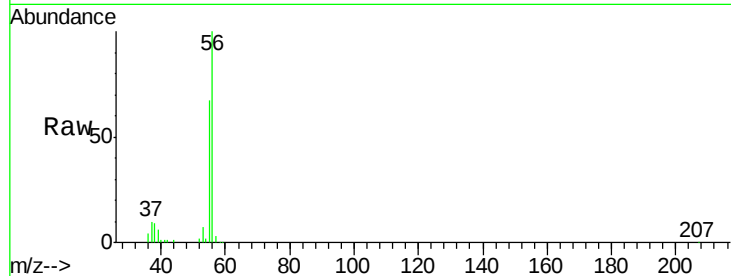
55 65.6 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 53.341 ug/l

RT: 4.26 min Scan# 772

Delta R.T. -0.02 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

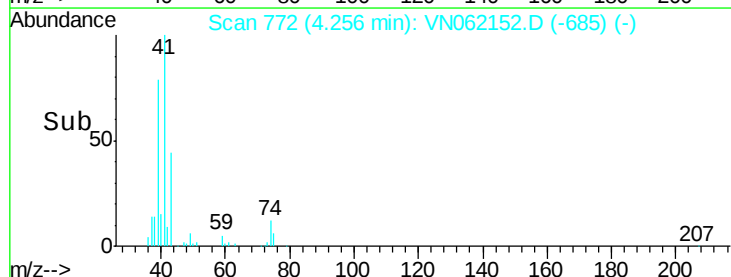
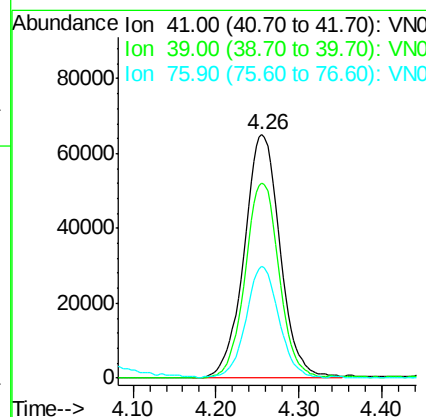
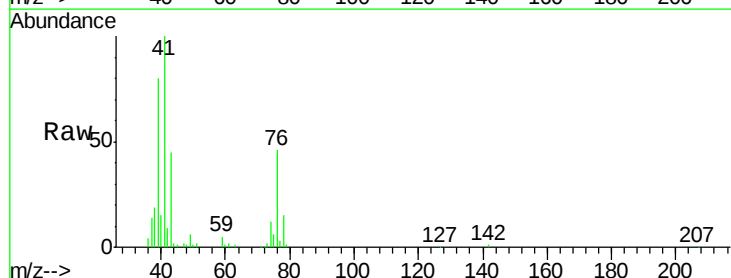
Tgt Ion: 41 Resp: 196511

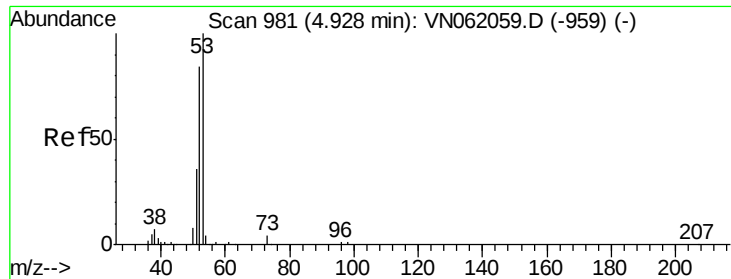
Ion Ratio Lower Upper

41 100

39 75.5 60.0 90.0

76 41.2 34.1 51.1





#15

Acrylonitrile

Concen: 267.674 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

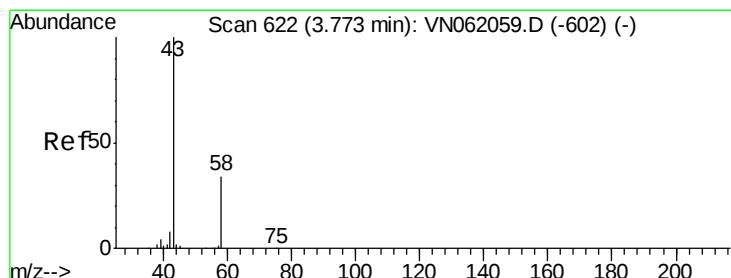
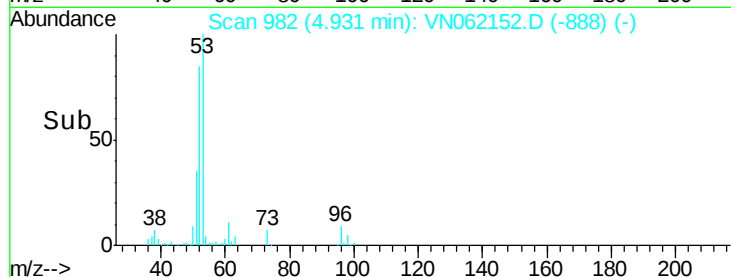
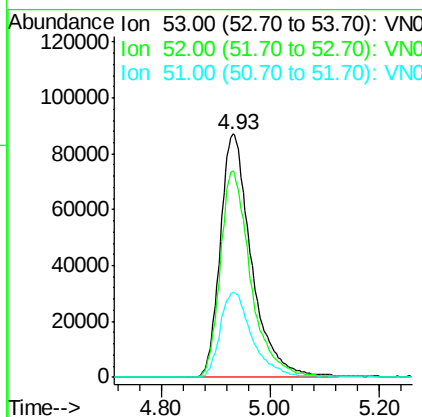
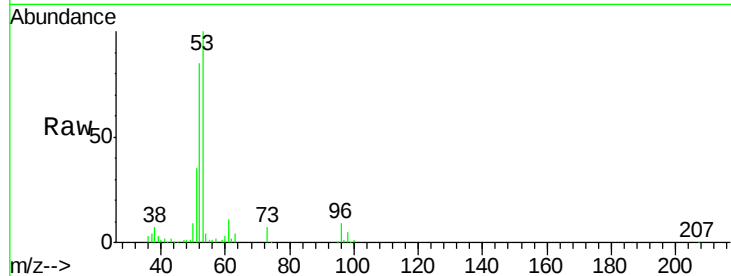
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	53	Resp:	346343
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.4
51	35.9	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 266.387 ug/l

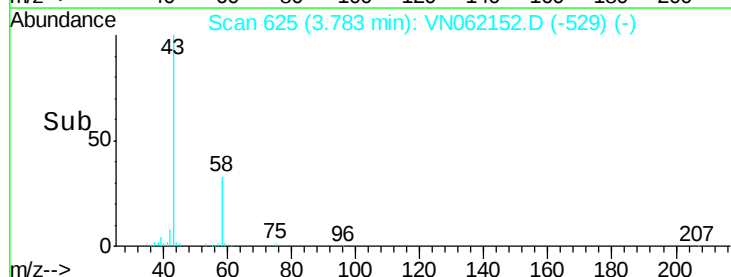
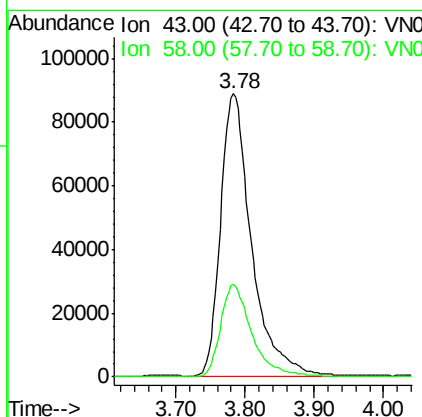
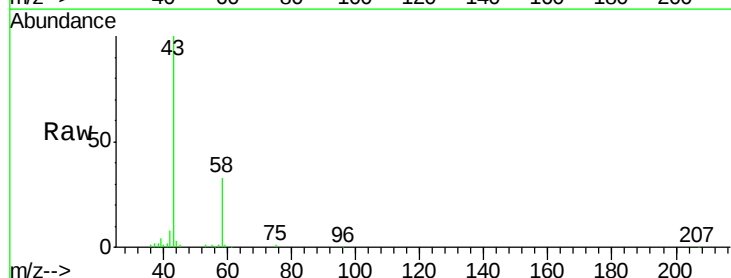
RT: 3.78 min Scan# 625

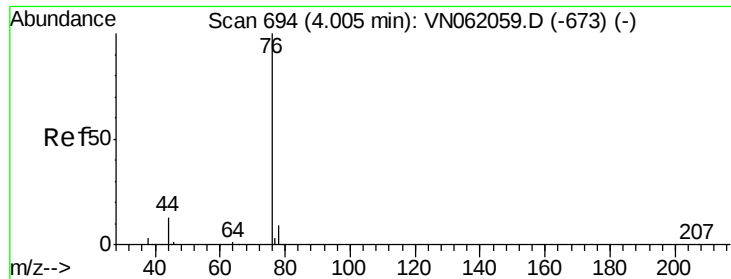
Delta R.T. 0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion:	43	Resp:	276243
Ion Ratio	Lower	Upper	
43	100		
58	32.8	27.5	41.3





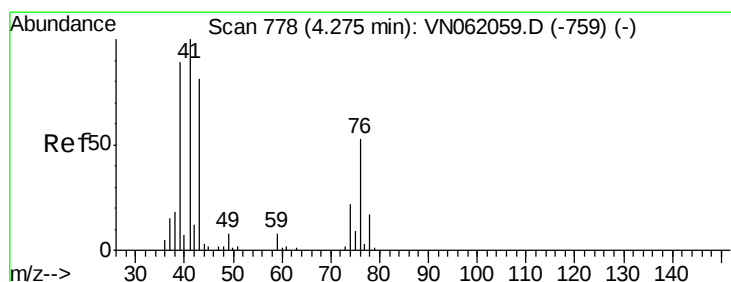
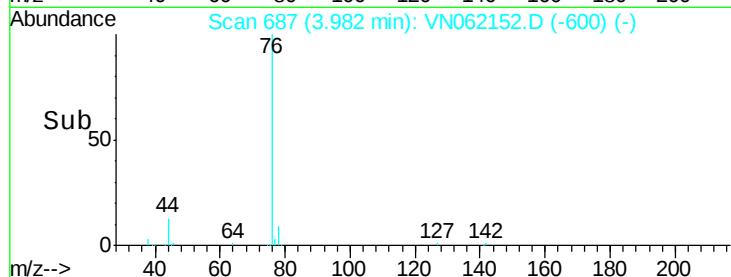
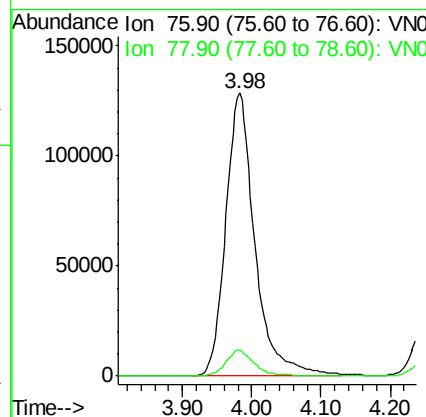
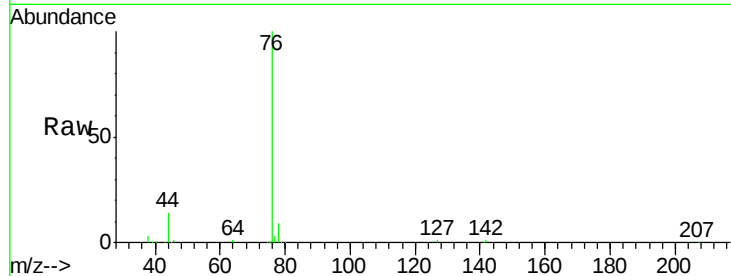
#17
Carbon Disulfide
Concen: 48.644 ug/l
RT: 3.98 min Scan# 687
Delta R.T. -0.02 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

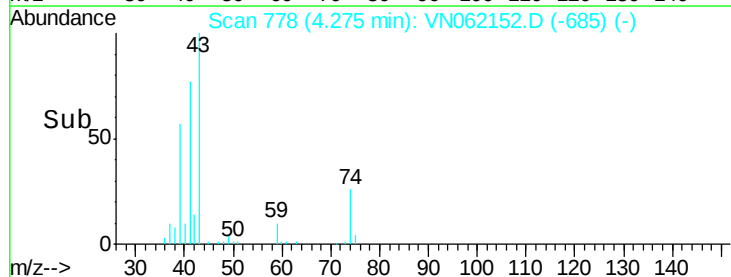
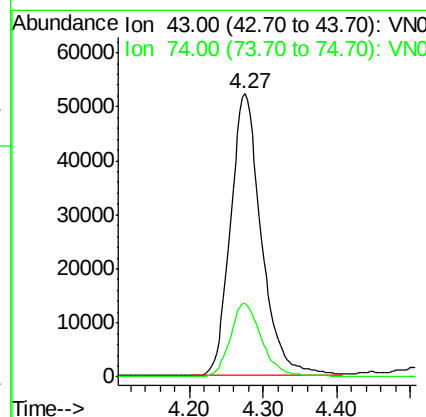
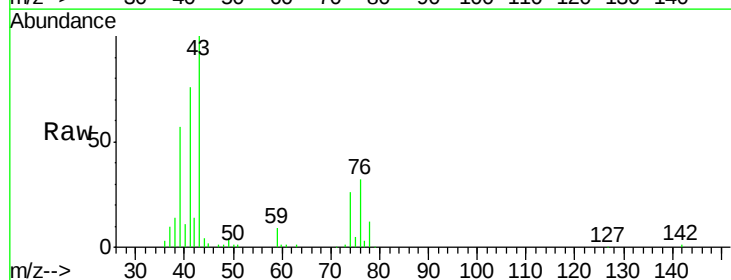
Manual Integrations
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#18
Methyl Acetate
Concen: 57.752 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	22.9	34.3





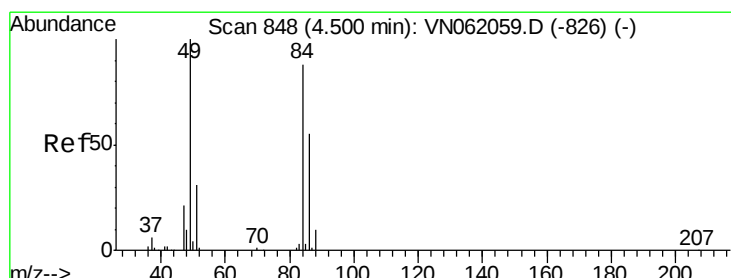
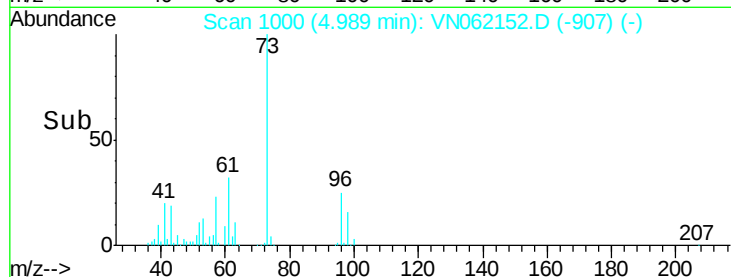
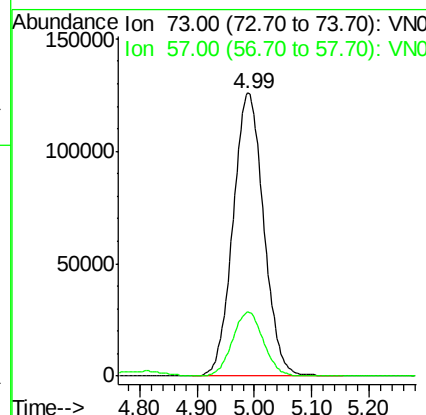
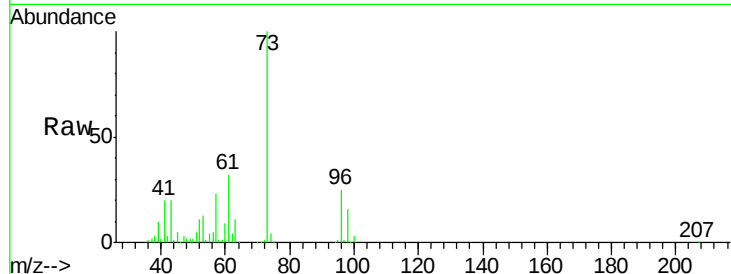
#19
Methvl tert-butvl Ether
Concen: 54.317 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 73 Resp: 469653
Ion Ratio Lower Upper
73 100
57 22.7 16.6 24.8

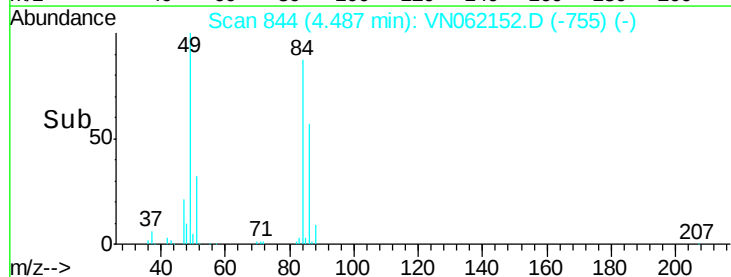
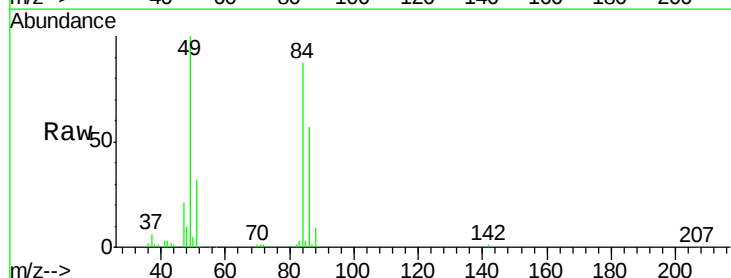
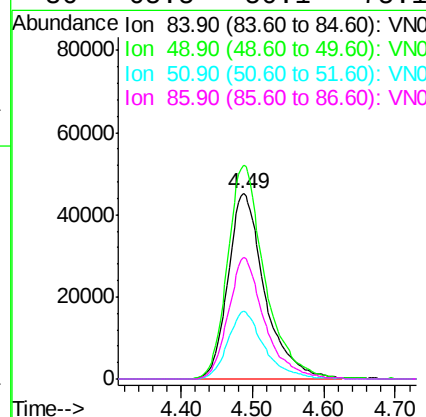
Manual Integrations
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#20
Methylene Chloride
Concen: 53.378 ug/l
RT: 4.49 min Scan# 844
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 84 Resp: 162003
Ion Ratio Lower Upper
84 100
49 115.0 90.6 136.0
51 36.7 27.8 41.8
86 65.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 47.974 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

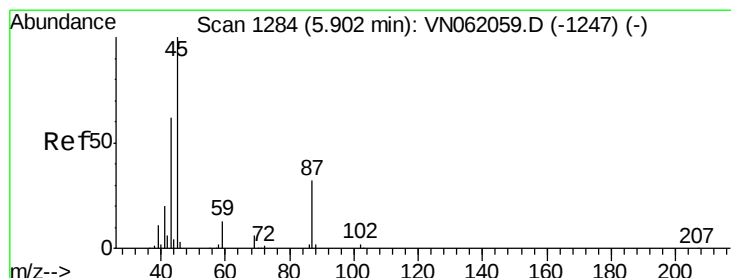
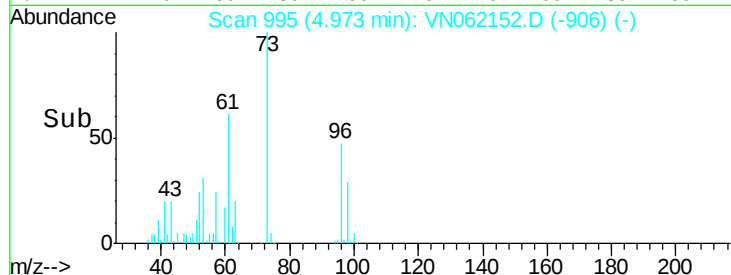
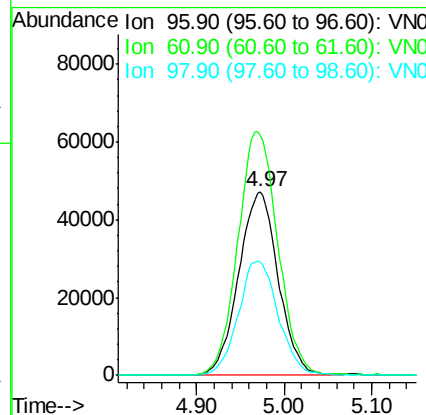
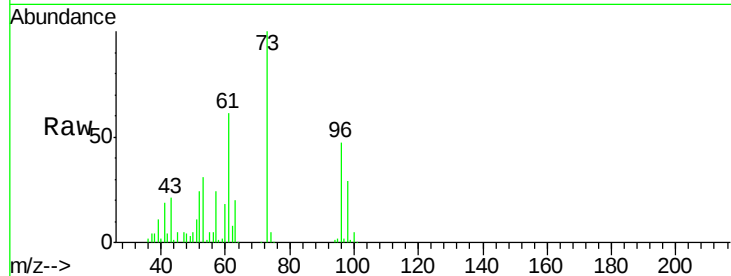
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	96	Resp:	147883
Ion	Ratio	Lower	Upper
96	100		
61	130.8	101.4	152.2
98	61.6	49.3	73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.293 ug/l

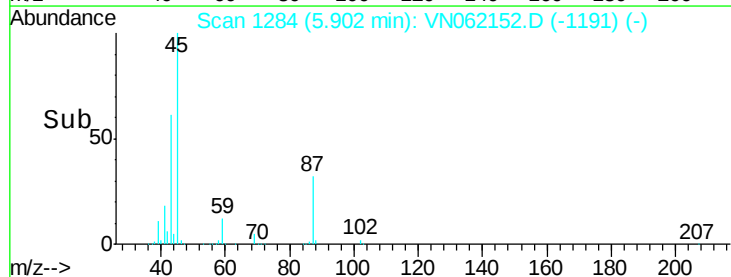
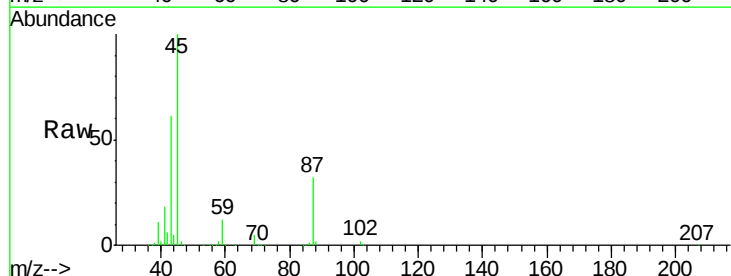
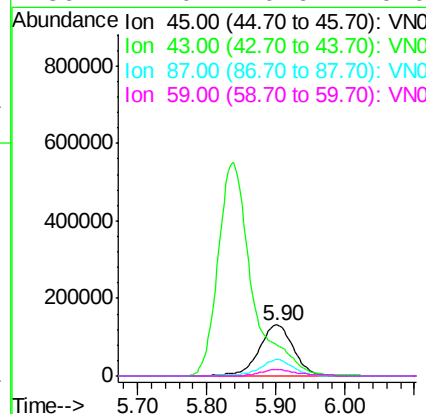
RT: 5.90 min Scan# 1284

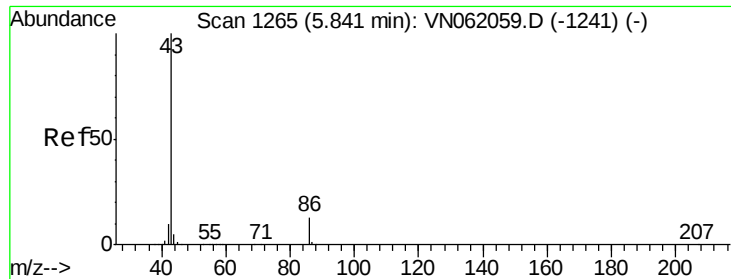
Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion:	45	Resp:	455424
Ion	Ratio	Lower	Upper
45	100		
43	58.5	49.7	74.5
87	31.9	25.9	38.9
59	12.0	10.6	16.0





#23

Vinyl Acetate

Concen: 274.470 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 1879714

Ion Ratio Lower Upper

43 100

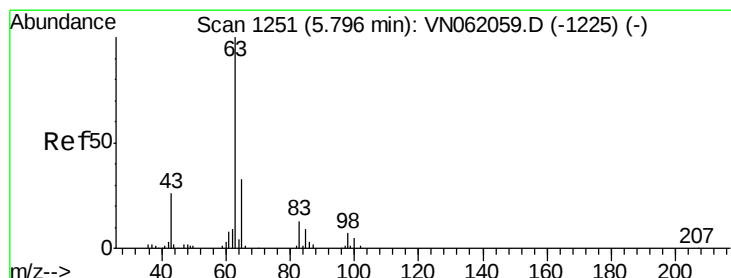
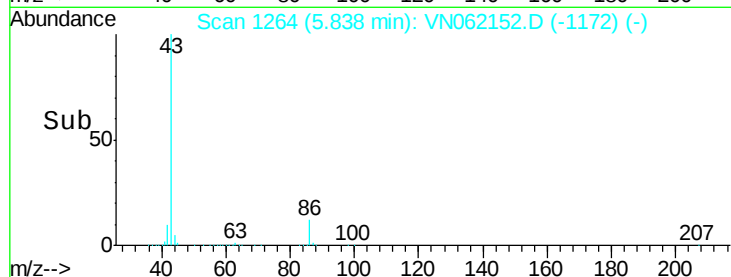
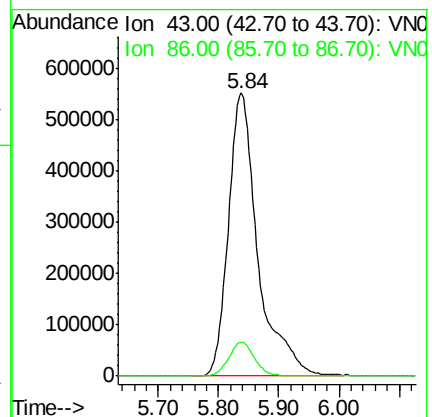
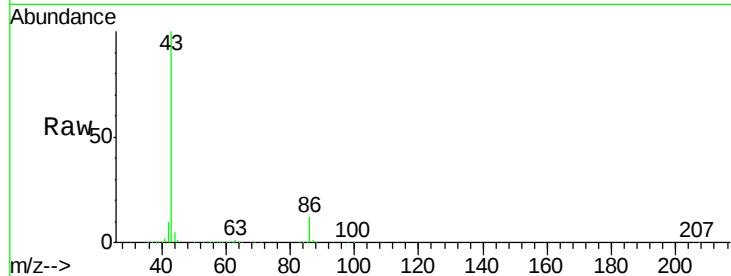
86 12.2 10.1 15.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.092 ug/l

RT: 5.79 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

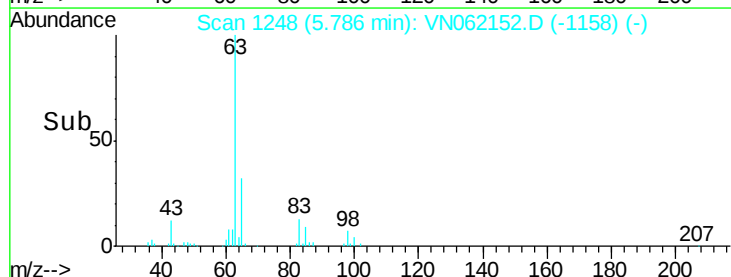
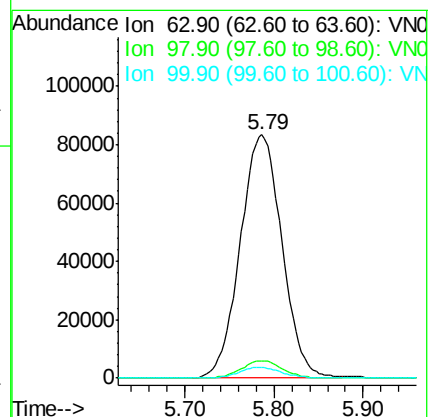
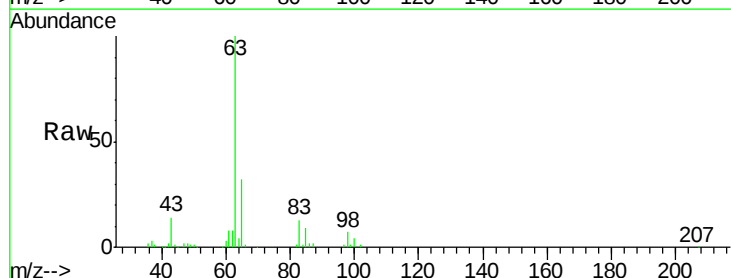
Tgt Ion: 63 Resp: 270571

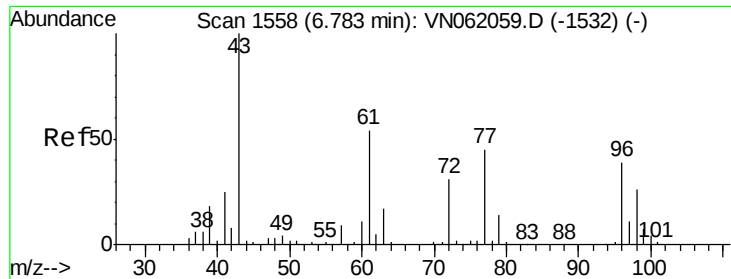
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

100 4.4 2.4 7.1





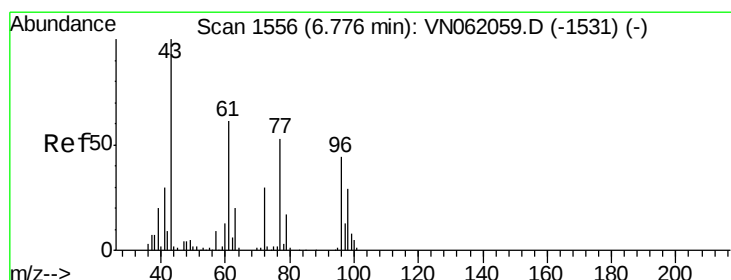
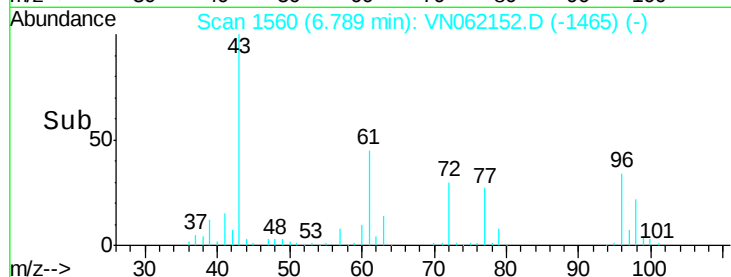
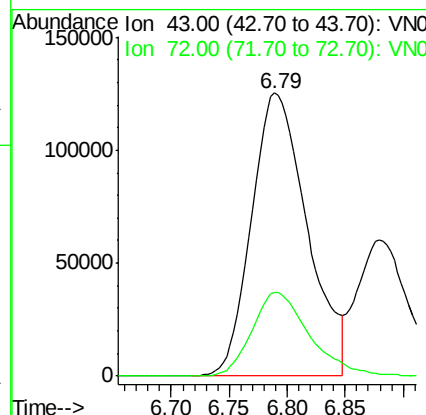
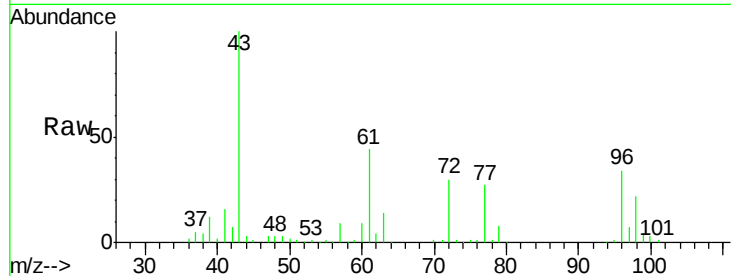
#25
2-Butanone
Concen: 258.272 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 417482
Ion Ratio Lower Upper
43 100
72 29.8 24.8 37.2

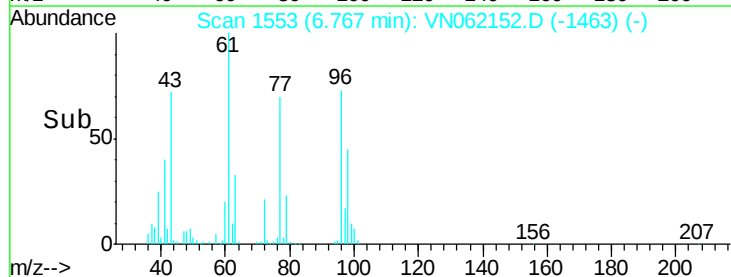
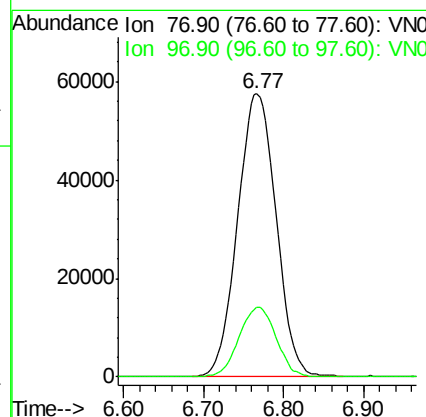
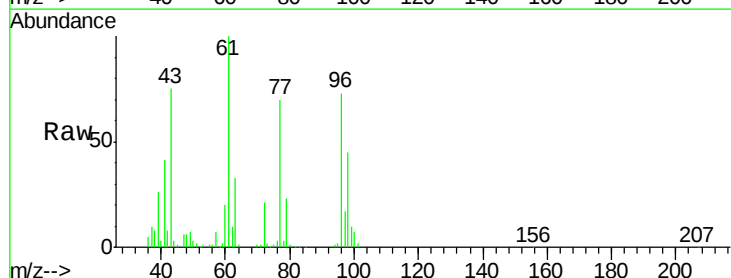
Manual Integrations
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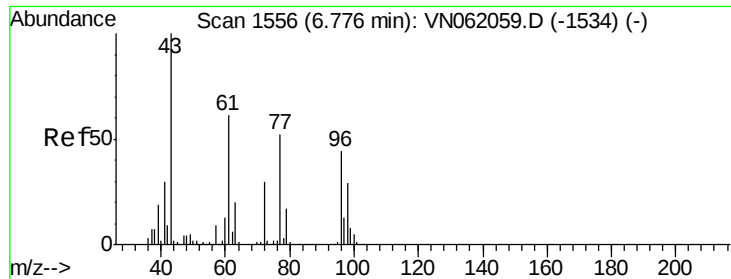
MMDadoda
6/29/2020 12:35:44 PM



#26
2,2-Dichloropropane
Concen: 41.745 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 77 Resp: 187900
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 51.059 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

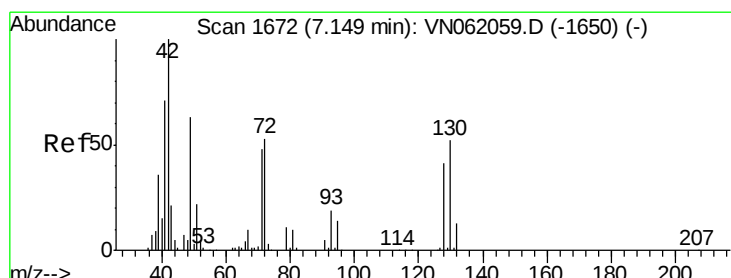
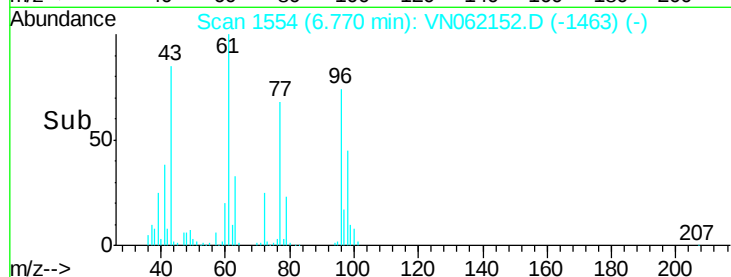
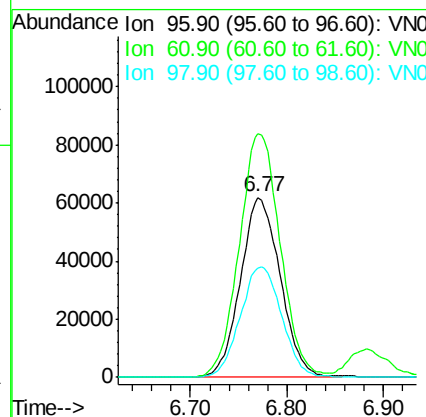
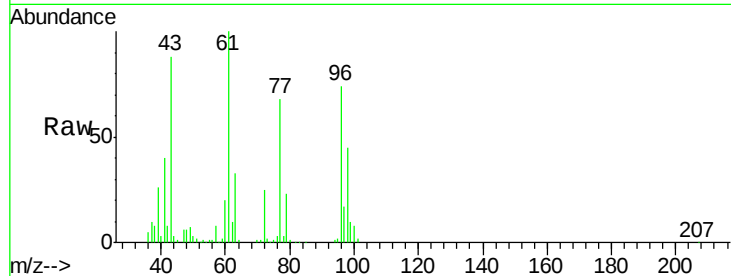
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	96	Resp:	177107
Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	280.4
98	64.0	0.0	129.4

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#28

Bromochloromethane

Concen: 49.201 ug/l

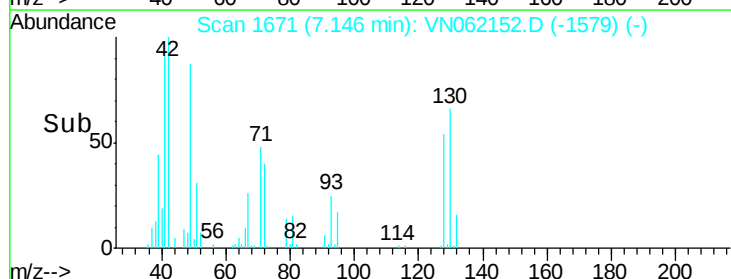
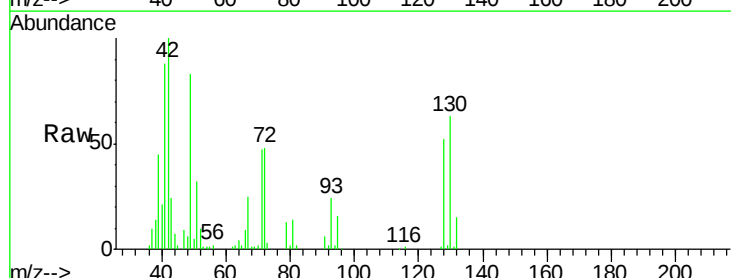
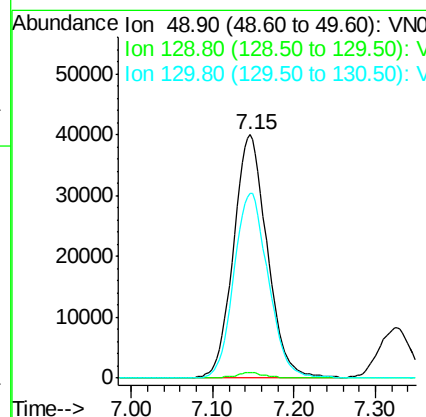
RT: 7.15 min Scan# 1671

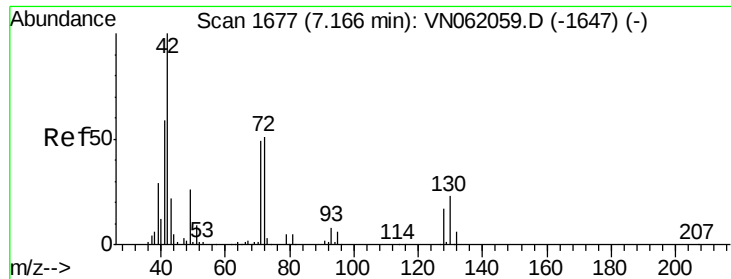
Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion:	49	Resp:	115307
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	77.3	65.5	98.3





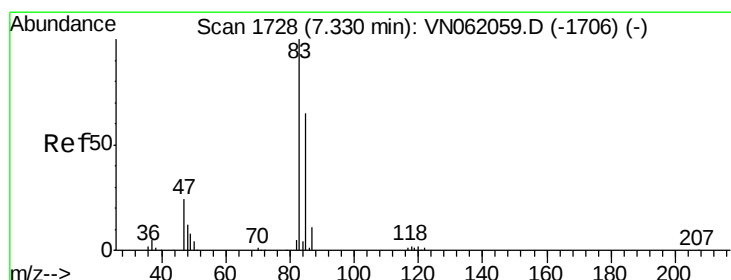
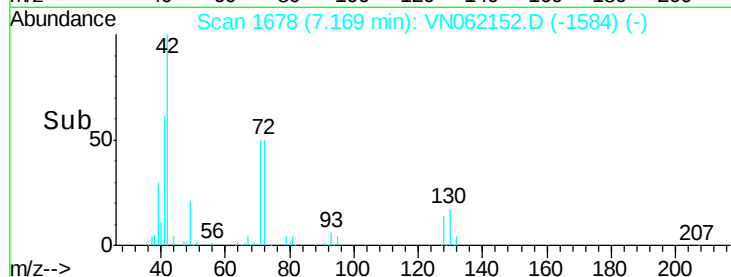
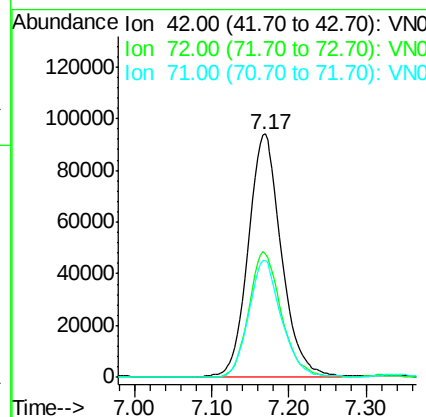
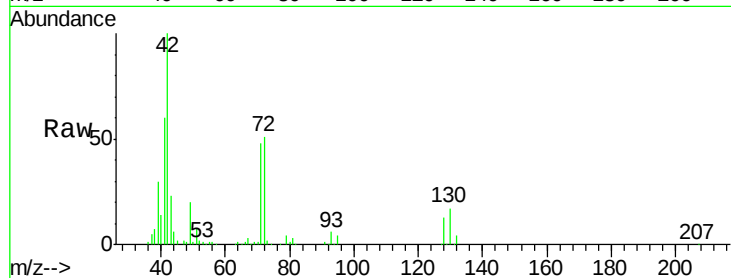
#29
Tetrahydrofuran
Concen: 265.209 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.1	41.1	61.7
71	47.6	38.2	57.4

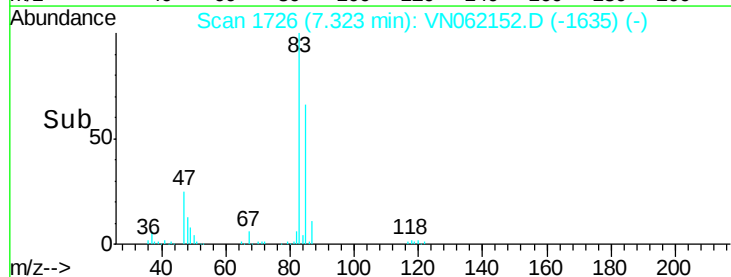
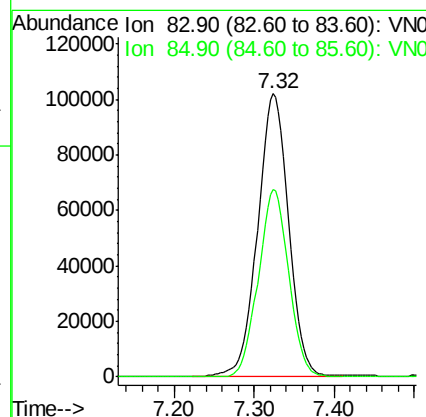
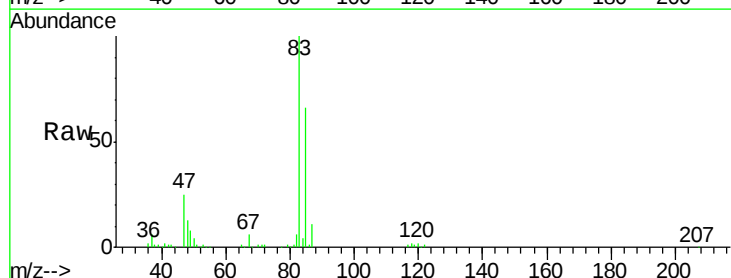
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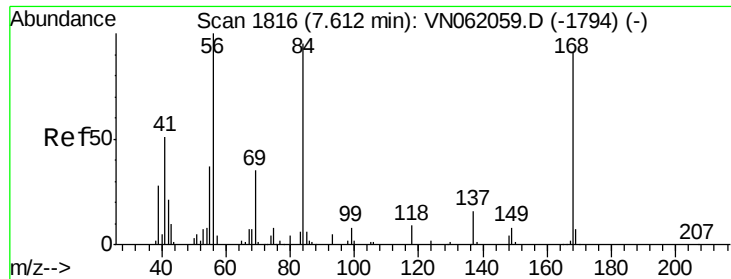
MMDadoda
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#30
Chloroform
Concen: 49.517 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.3	78.5





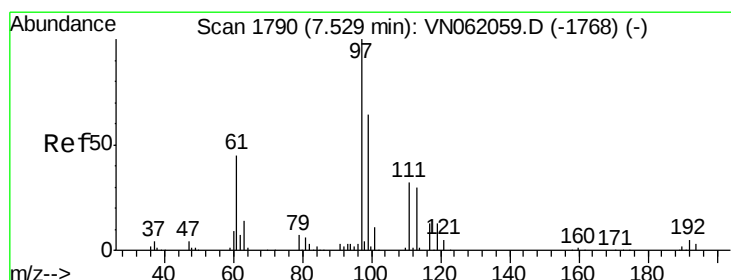
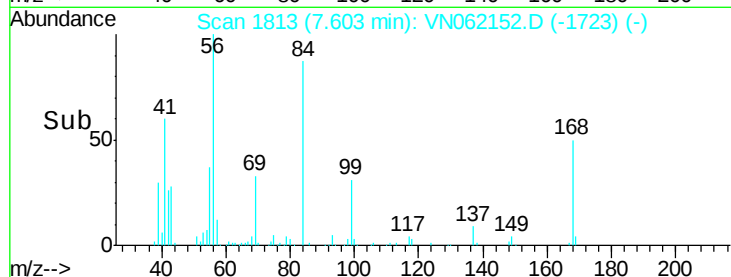
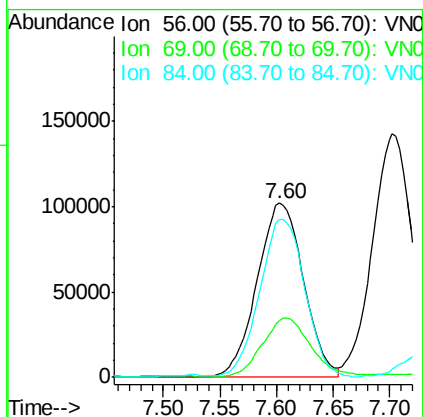
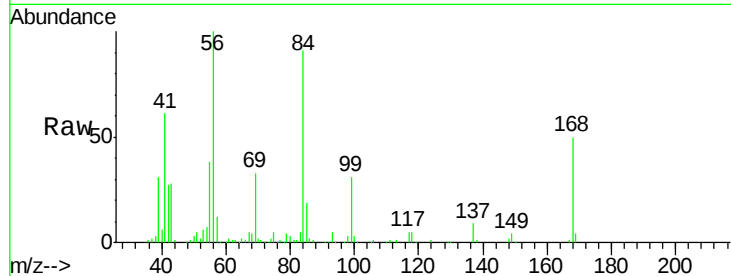
#31
Cvclohexane
Concen: 63.749 ug/l
RT: 7.60 min Scan# 1813
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	28.0	42.0
84	89.0	76.1	114.1

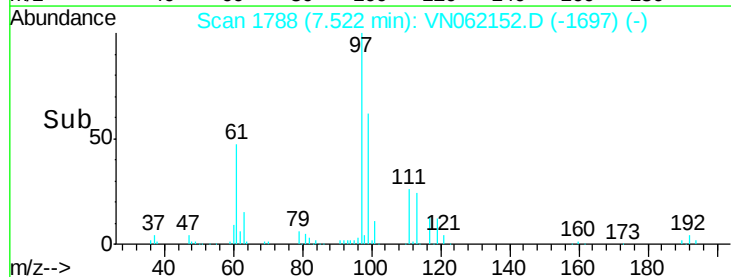
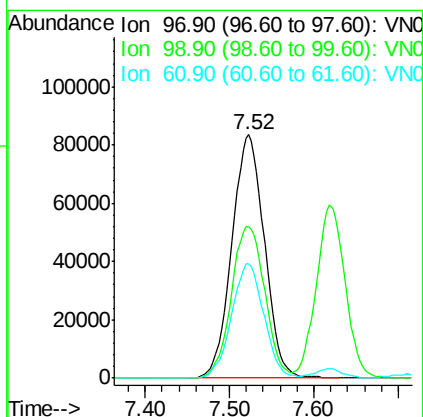
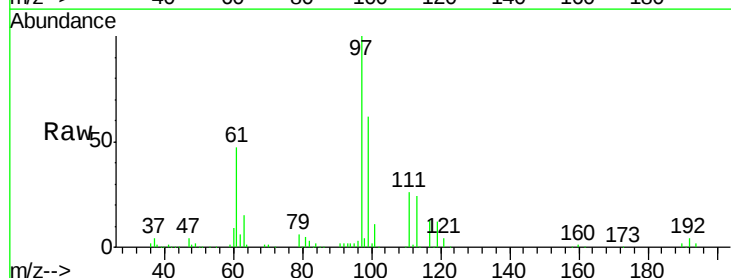
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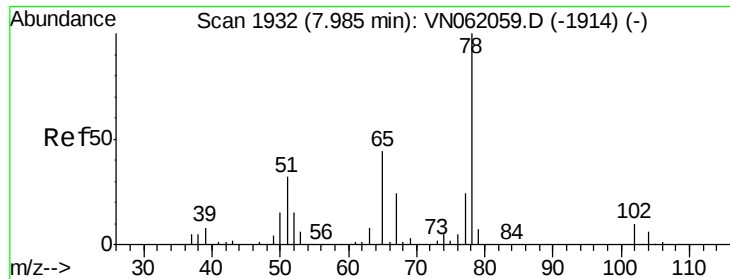
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#32
1,1,1-Trichloroethane
Concen: 48.440 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	46.6	36.2	54.2





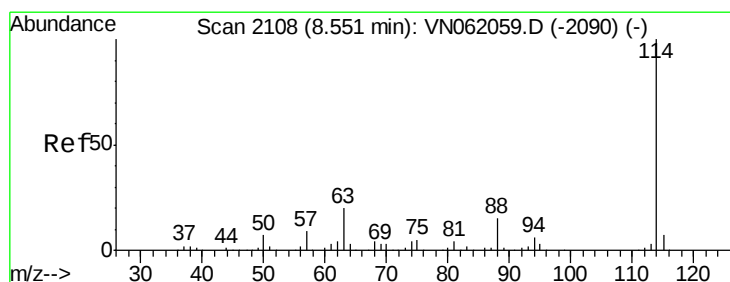
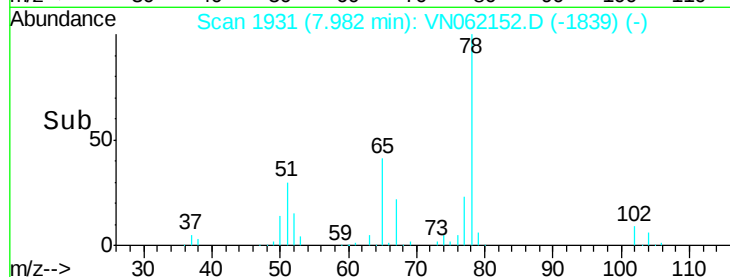
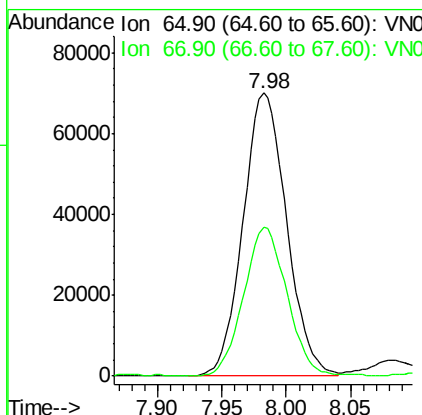
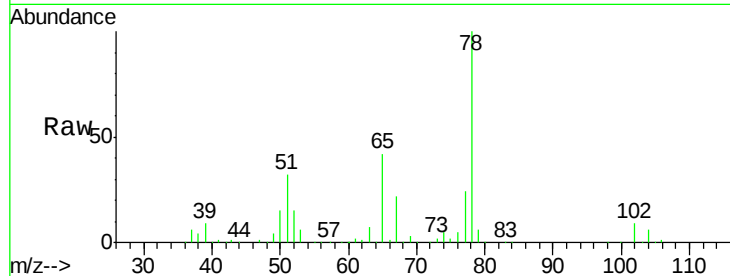
#33
 1,2-Dichloroethane-d4
 Concen: 49.881 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164958		
67	52.6	0.0	106.2	

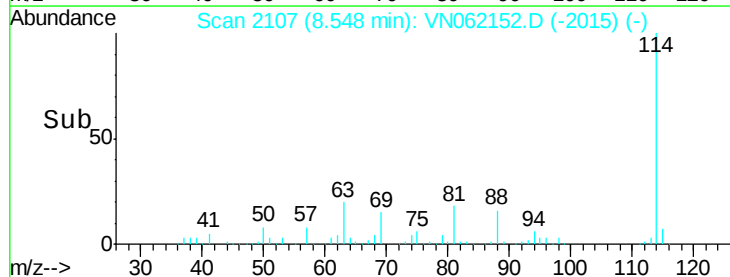
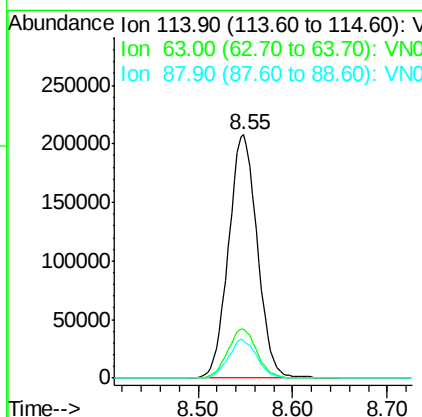
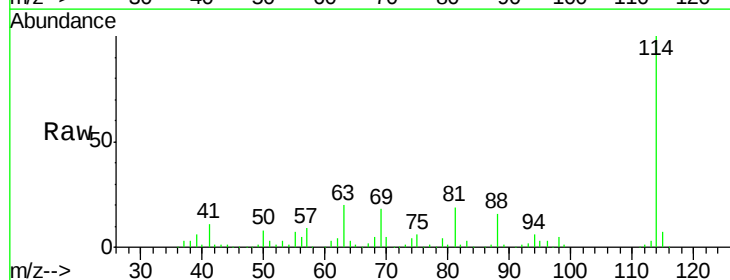
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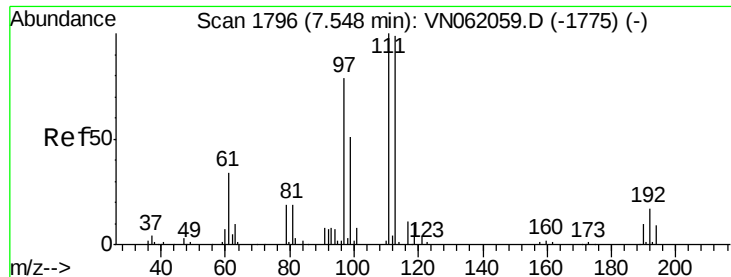
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437930		
63	20.4	0.0	39.2	
88	15.5	0.0	30.8	





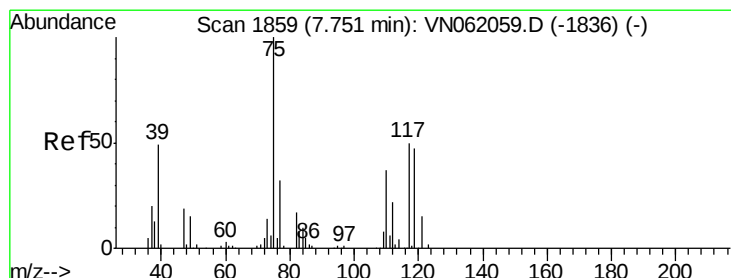
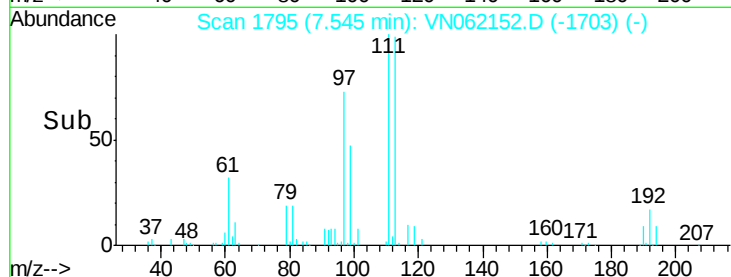
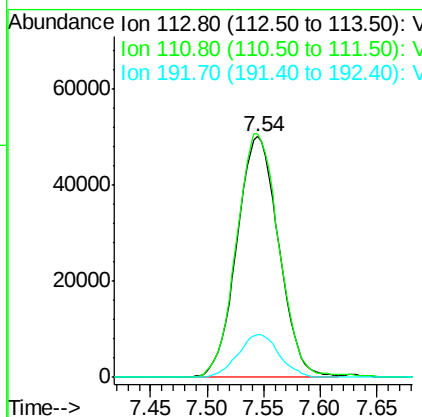
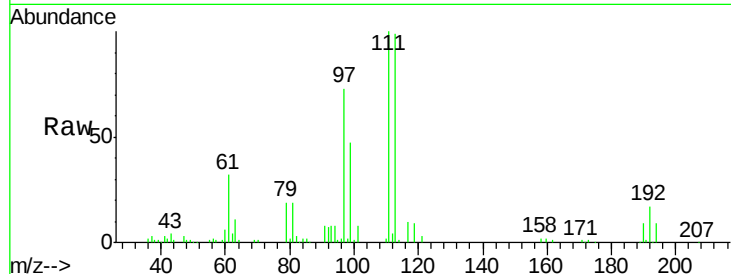
#35
Dibromofluoromethane
Concen: 45.828 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128755		
111	102.9	82.2	123.4	
192	17.5	14.0	21.0	

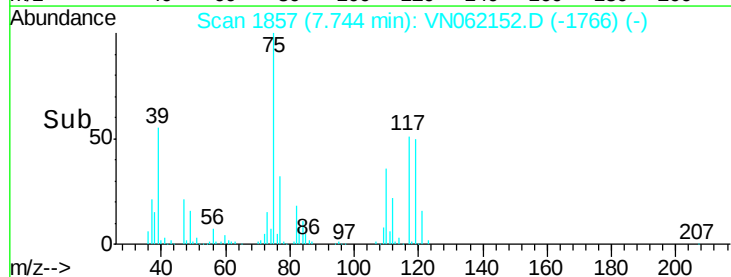
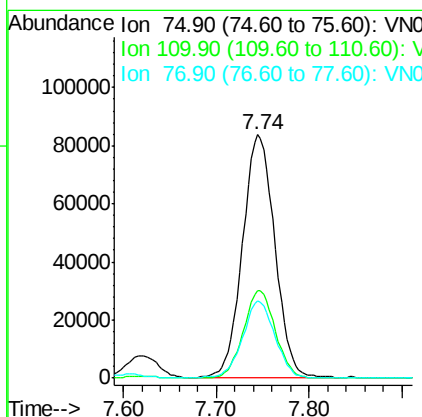
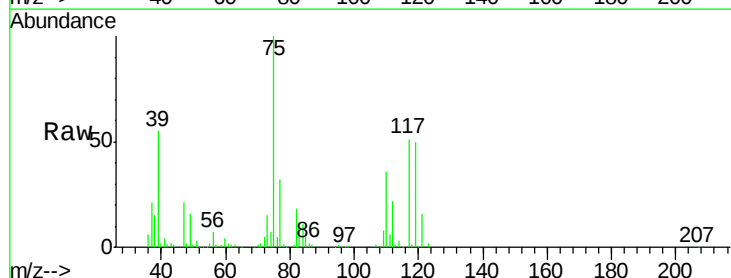
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#36
1,1-Dichloropropene
Concen: 45.896 ug/l
RT: 7.74 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202026		
110	35.5	17.9	53.8	
77	31.9	24.9	37.3	





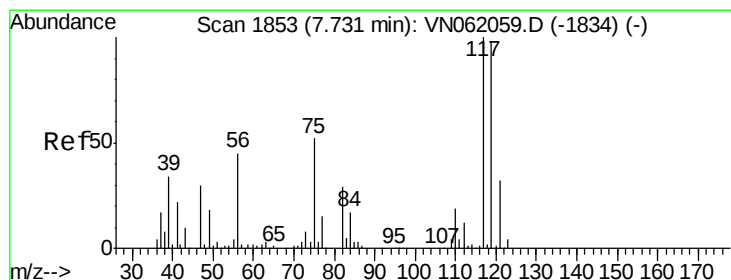
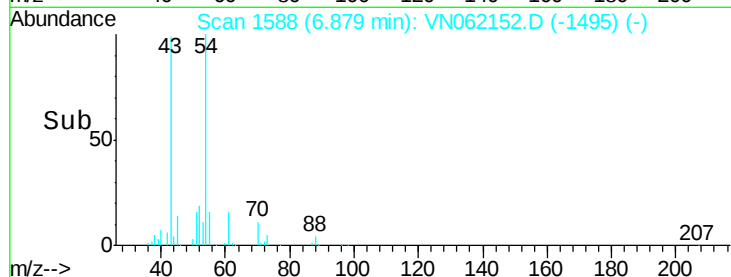
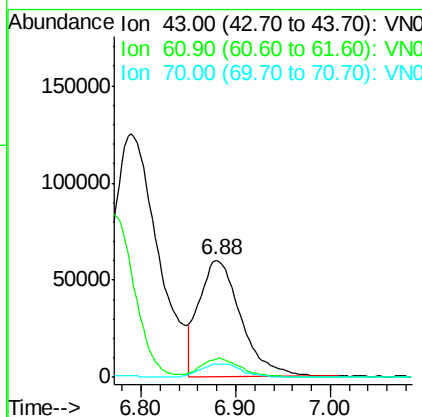
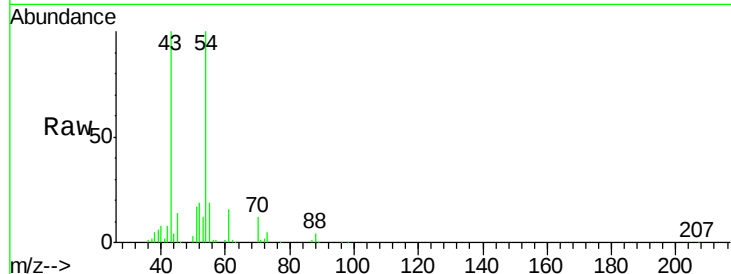
#37
Ethyl Acetate
Concen: 50.358 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.0	18.0
70	11.7	9.6	14.4

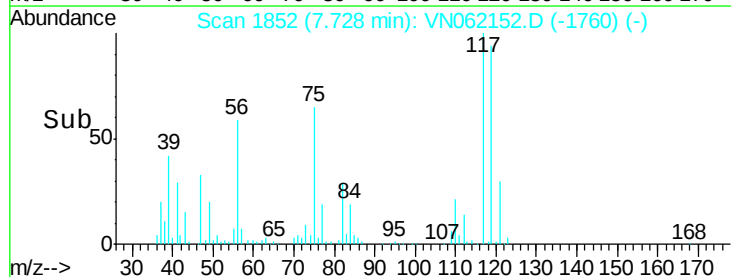
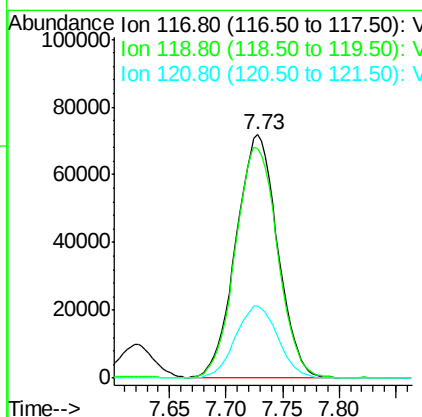
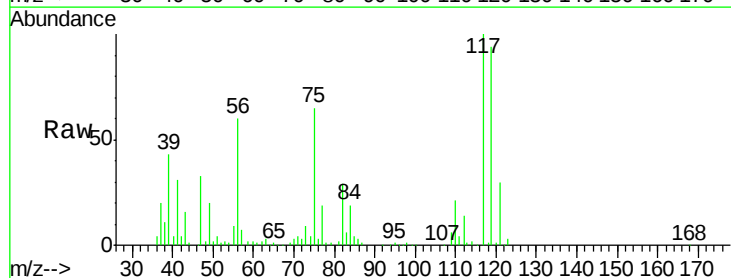
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#38
Carbon Tetrachloride
Concen: 44.055 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.2	117.2
121	29.9	25.8	38.6





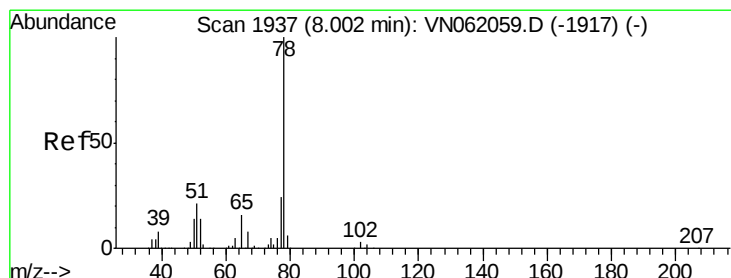
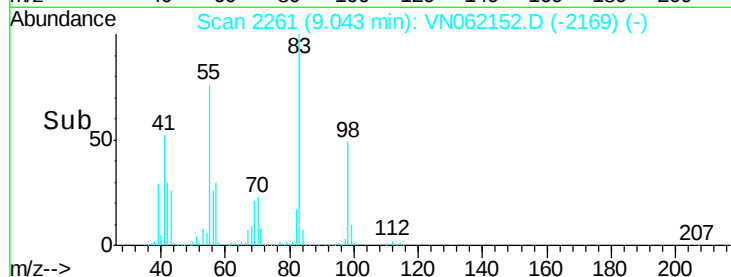
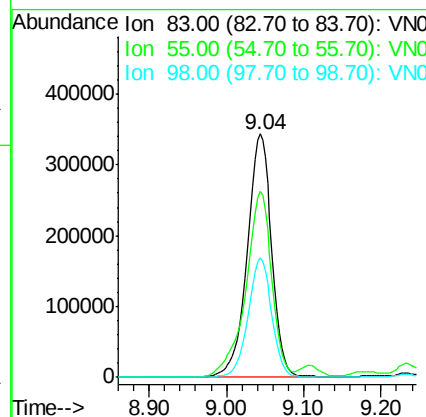
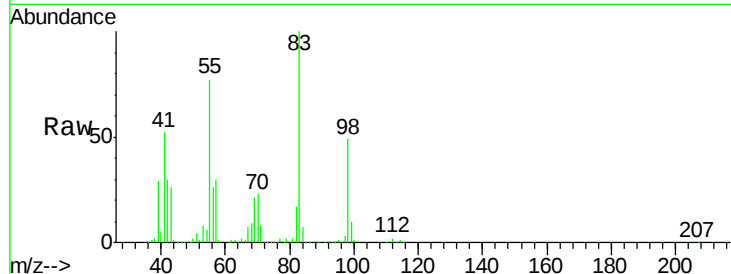
#39
Methvlcvclohexane
Concen: 157.185 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	758111		
55	76.5		57.0	85.6
98	48.9		39.0	58.6

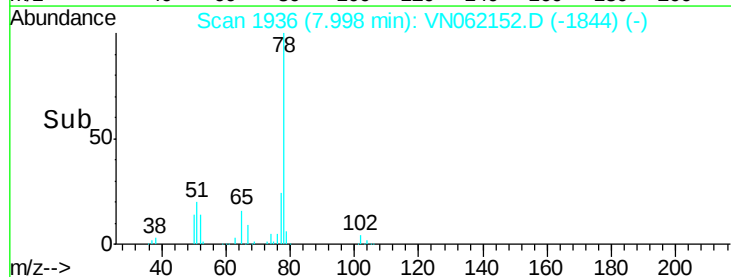
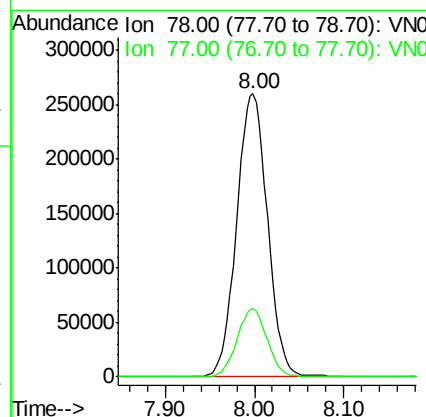
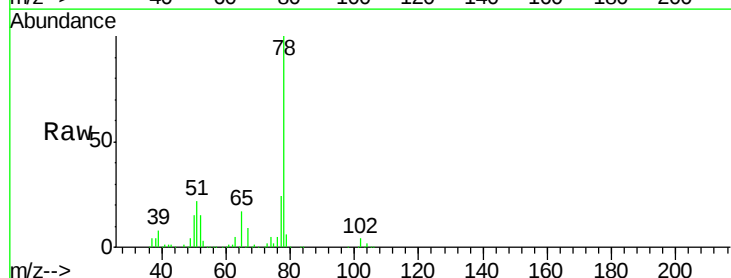
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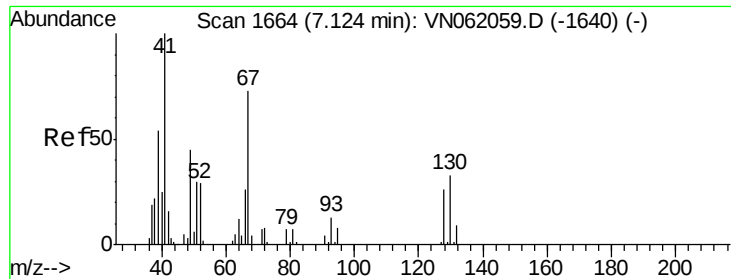
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#40
Benzene
Concen: 46.452 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	623232		
77	24.1		19.5	29.3





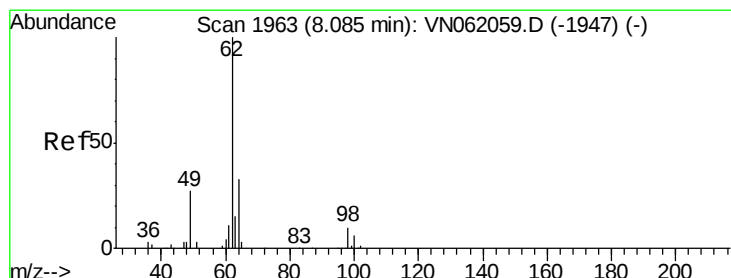
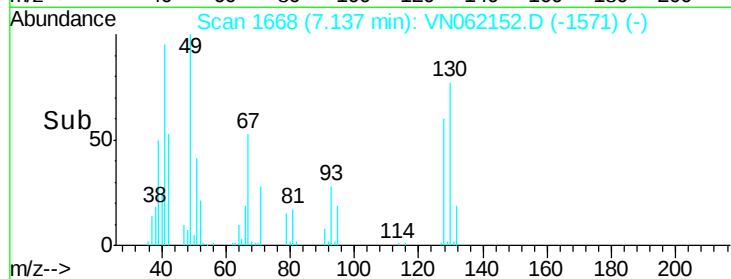
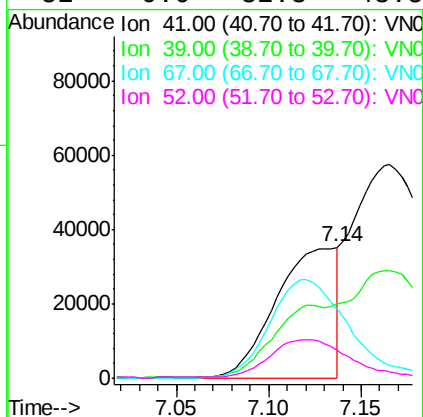
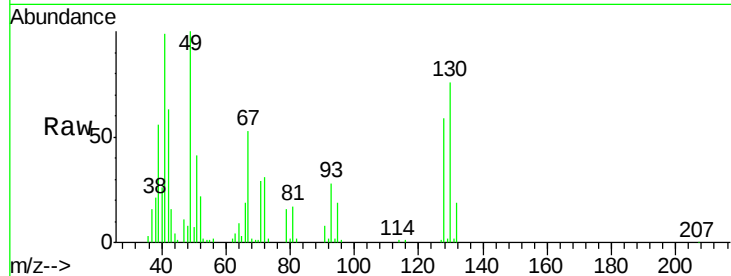
#41
Methacrylonitrile
Concen: 47.366 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	95.9	44.2	66.2#
67	0.0	79.5	119.3#
52	0.0	32.3	48.5#

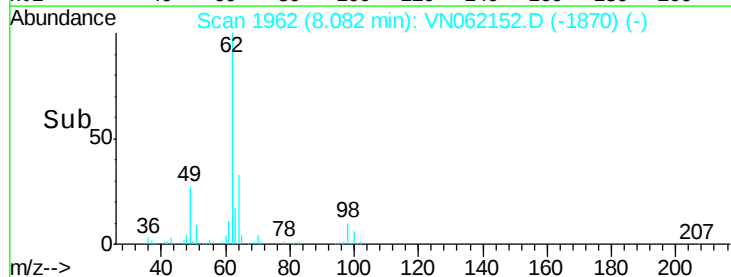
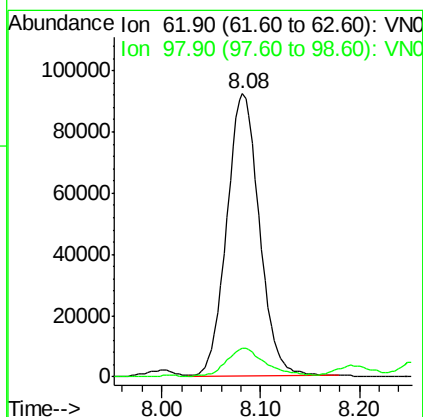
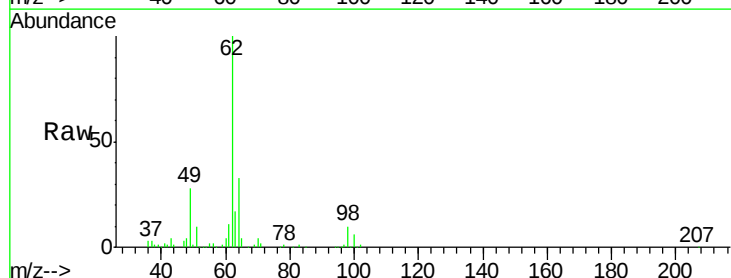
Manual Integrations
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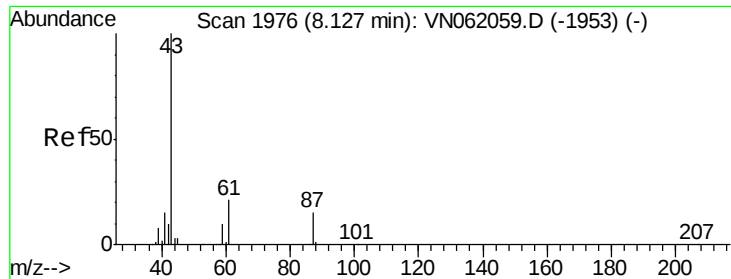
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.016 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	19.8





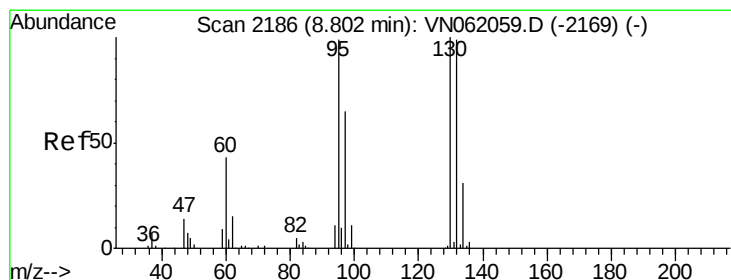
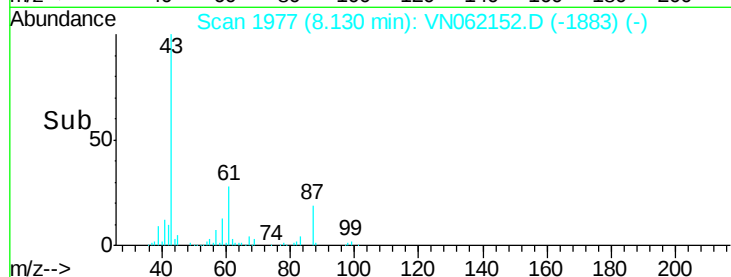
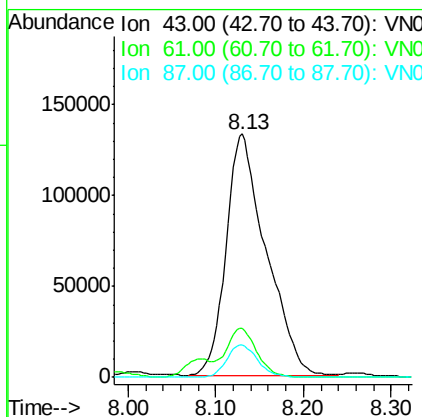
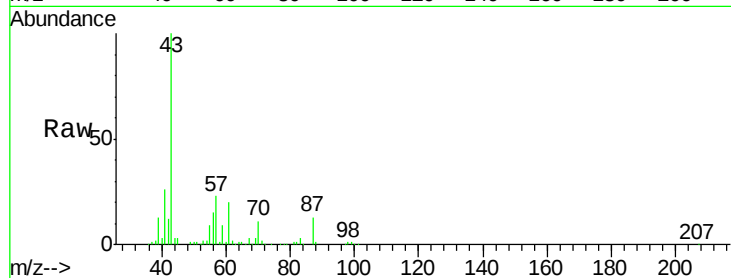
#43
Isopropyl Acetate
Concen: 70.568 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	17.2	25.8#
87	10.5	12.1	18.1#

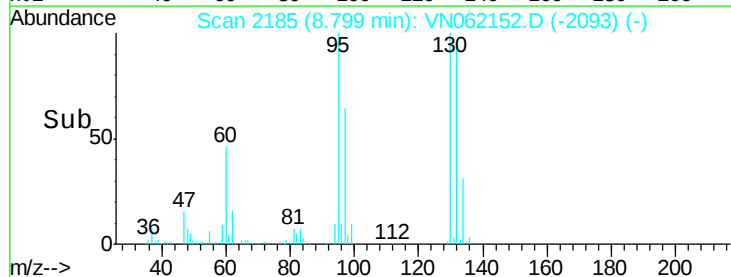
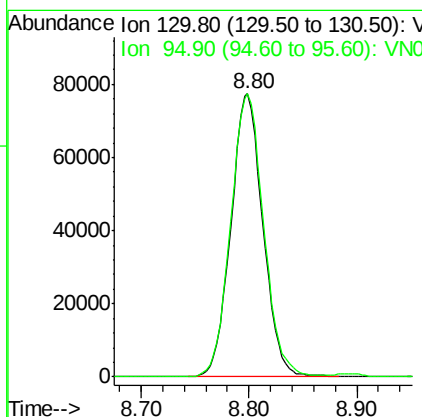
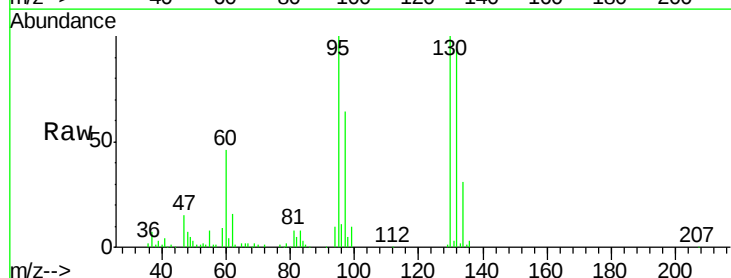
Manual Integrations
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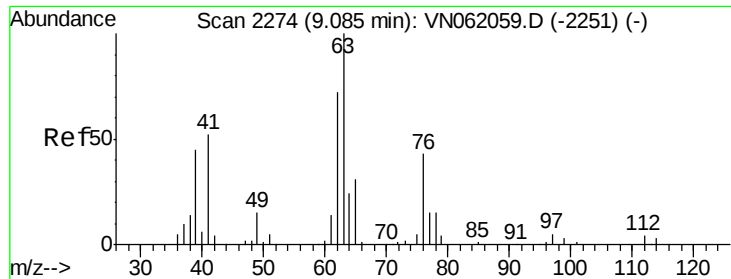
MMDadoda
6/29/2020 12:35:44 PM



#44
Trichloroethene
Concen: 47.131 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	197.8





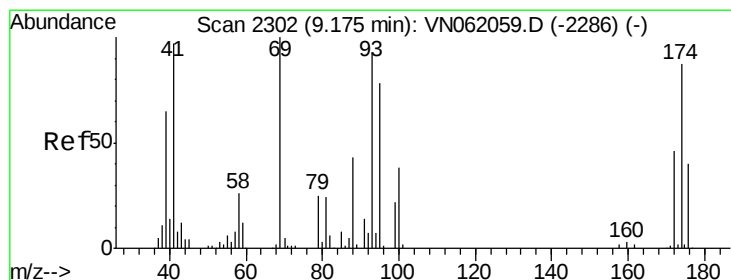
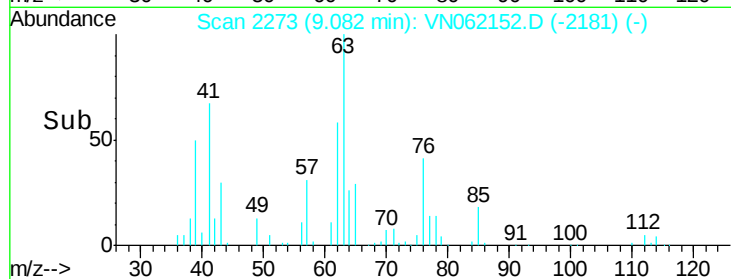
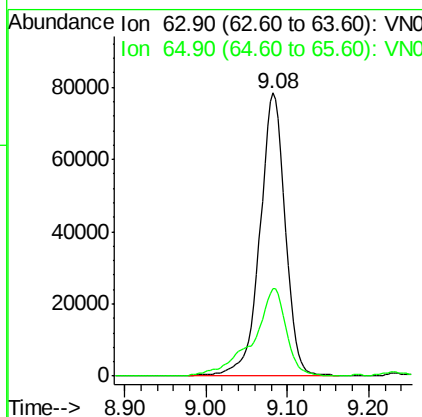
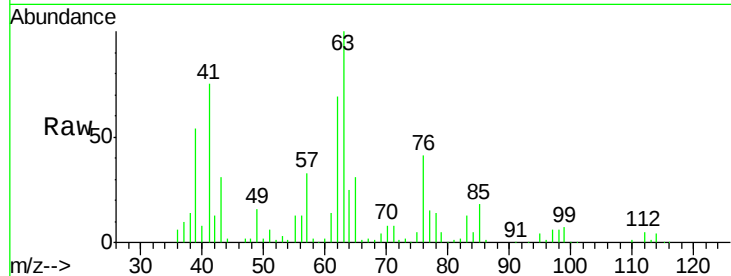
#45
 1,2-Dichloropropane
 Concen: 51.260 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion: 63 Resp: 169670
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

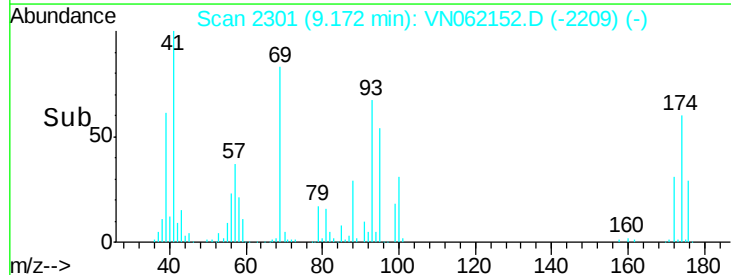
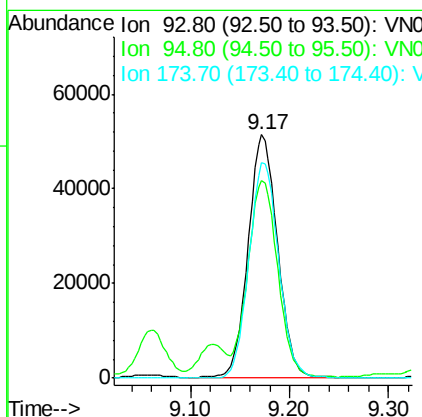
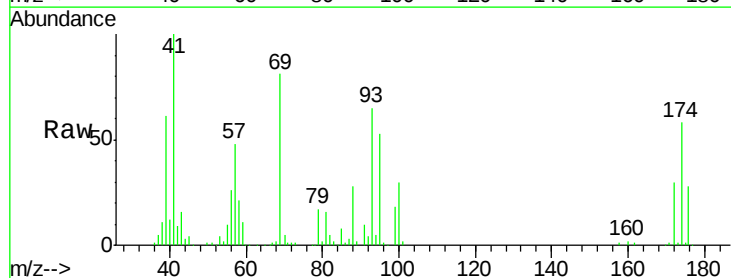
Manual Integrations
 APPROVED

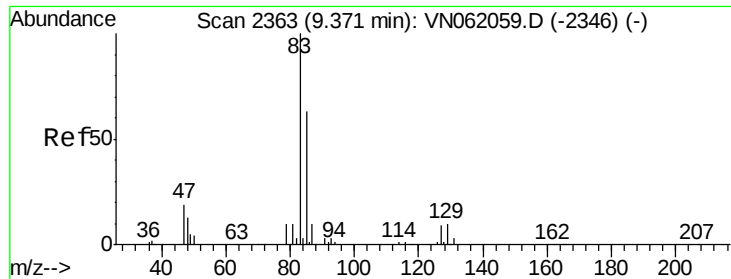
MMDadoda
 6/29/2020 12:35:44 PM



#46
 Dibromomethane
 Concen: 47.259 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion: 93 Resp: 106057
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 89.3 74.4 111.6





#47

Bromodichloromethane

Concen: 56.349 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

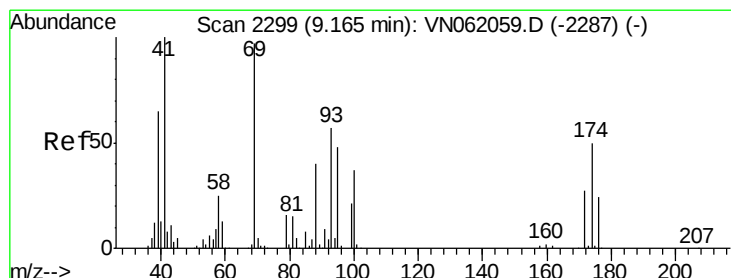
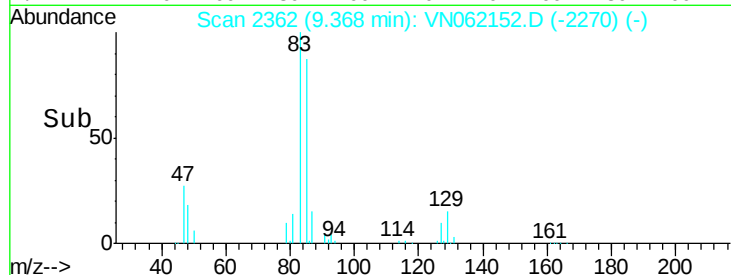
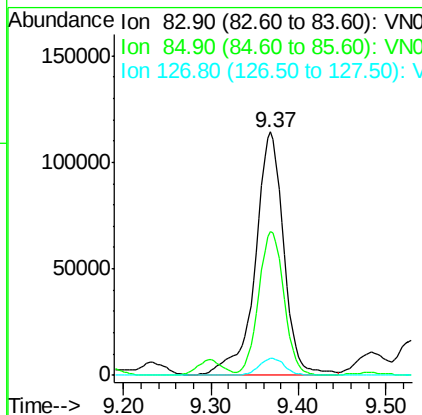
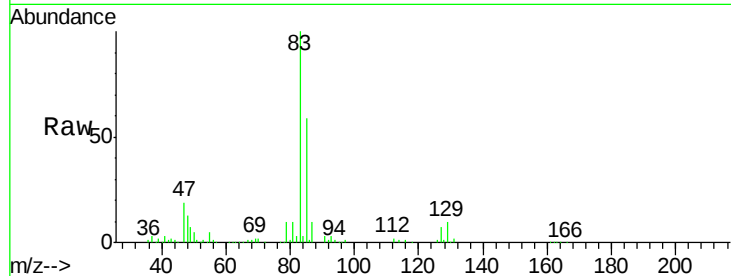
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	83	Resp:	255332
Ion Ratio	Lower	Upper	
83	100		
85	58.8	50.3	75.5
127	6.8	6.9	10.3#

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.494 ug/l

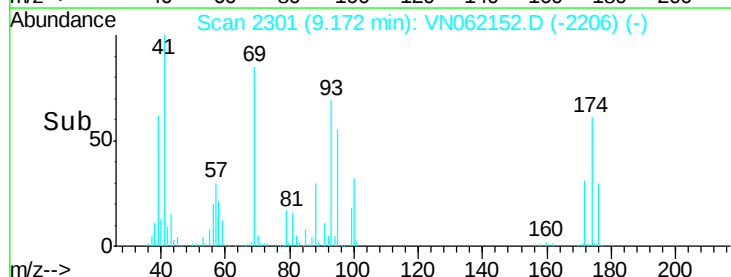
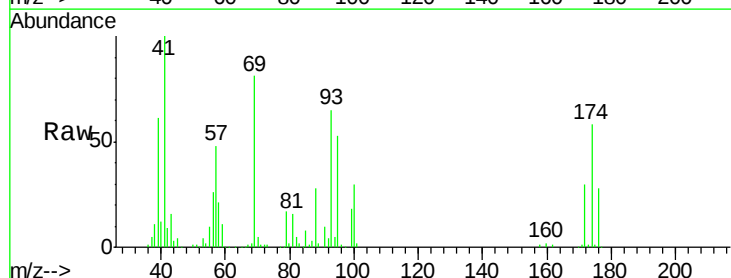
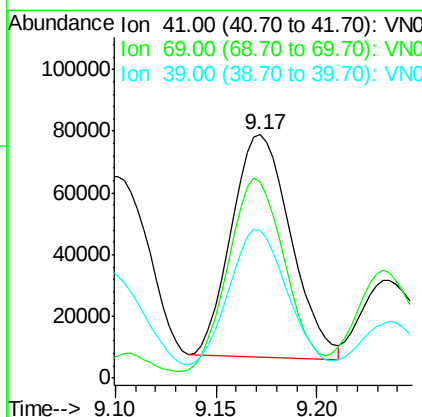
RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion:	41	Resp:	147846
Ion Ratio	Lower	Upper	
41	100		
69	87.4	80.7	121.1
39	65.4	54.5	81.7





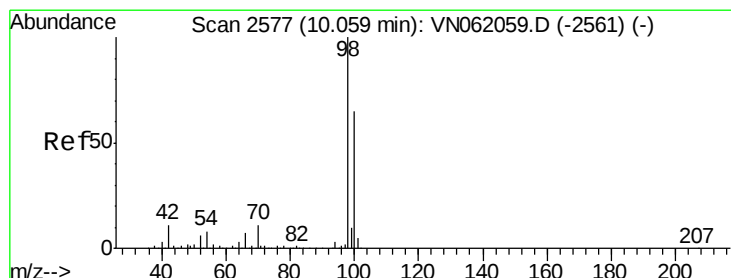
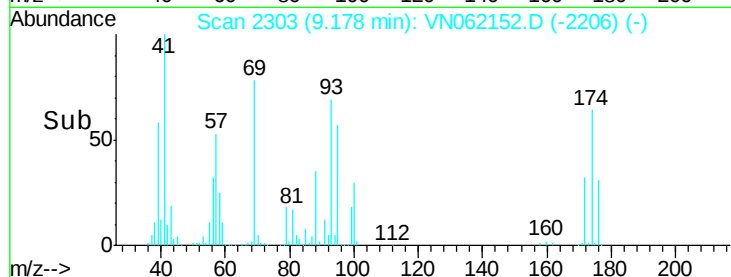
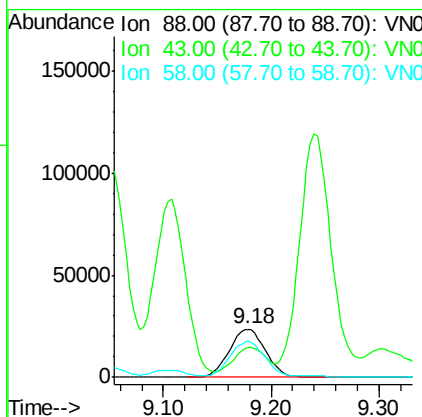
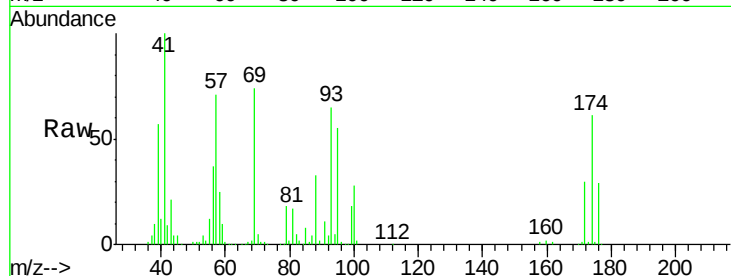
#49
1,4-Dioxane
Concen: 942.292 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 88 Resp: 55672
Ion Ratio Lower Upper
88 100
43 55.2 22.0 33.0#
58 68.1 49.2 73.8

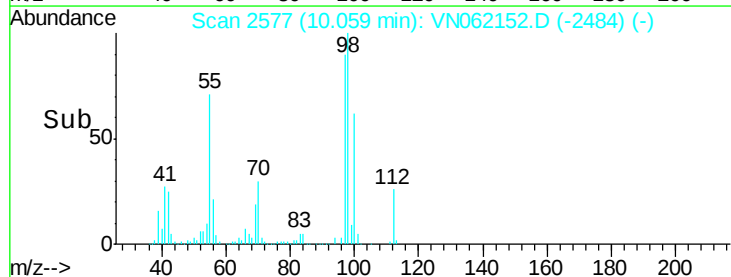
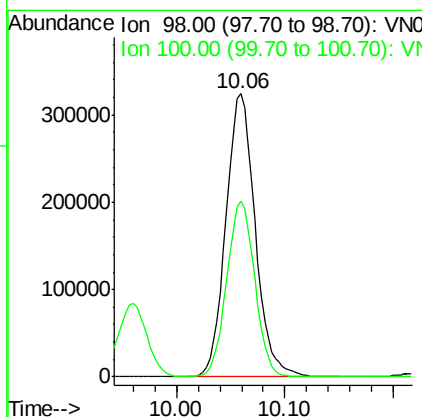
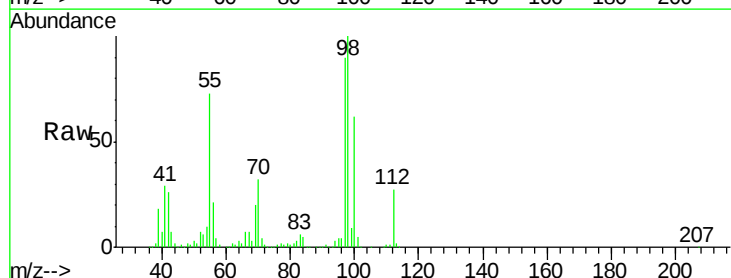
Manual Integrations
APPROVED

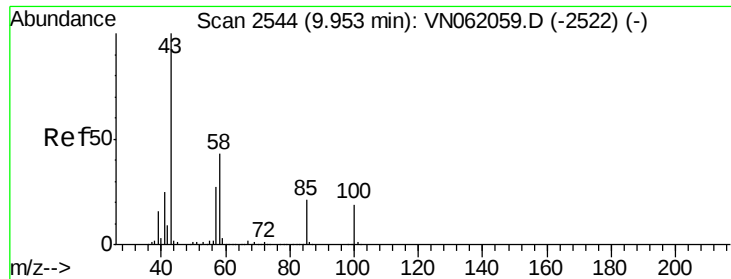
MMDadoda
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#50
Toluene-d8
Concen: 54.744 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 98 Resp: 614812
Ion Ratio Lower Upper
98 100
100 59.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 278.194 ug/l m

RT: 9.96 min Scan# 2546

Delta R.T. 0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 965779

Ion Ratio Lower Upper

43 100

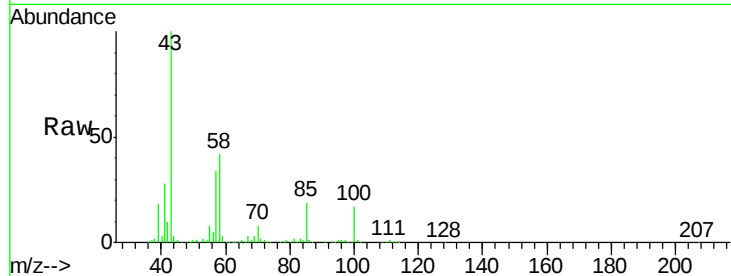
58 48.7 34.2 51.2

Manual Integrations

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6/29/2020 12:35:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-2522) (-)

500000

400000

300000

200000

100000

0

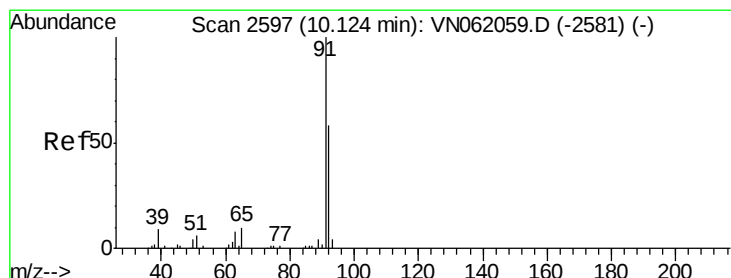
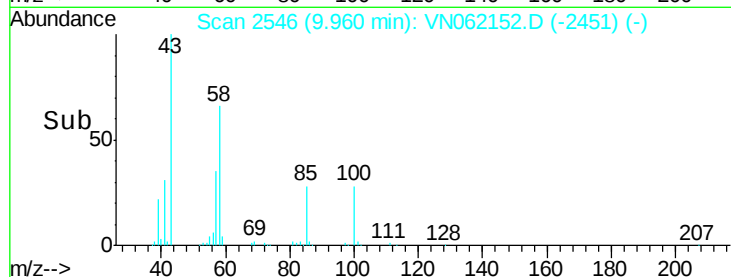
9.90

9.95

9.96

10.00

Time-->



#52

Toluene

Concen: 51.820 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062152.D

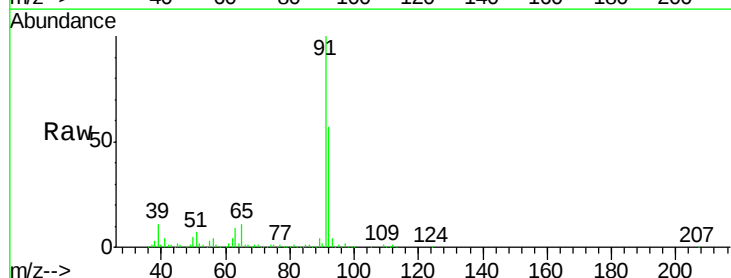
Acq: 26 Jun 2020 20:15

Tgt Ion: 92 Resp: 424206

Ion Ratio Lower Upper

92 100

91 172.8 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062059.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062059.D (-2581) (-)

400000

300000

200000

100000

0

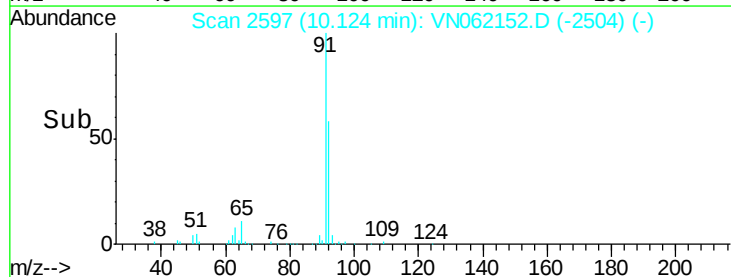
10.00

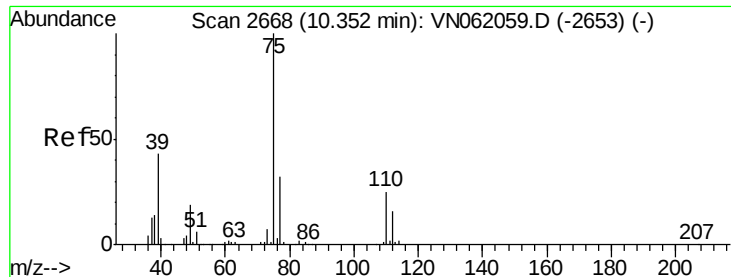
10.10

10.12

10.20

Time-->





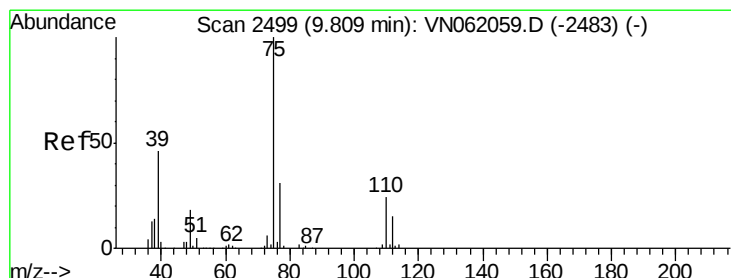
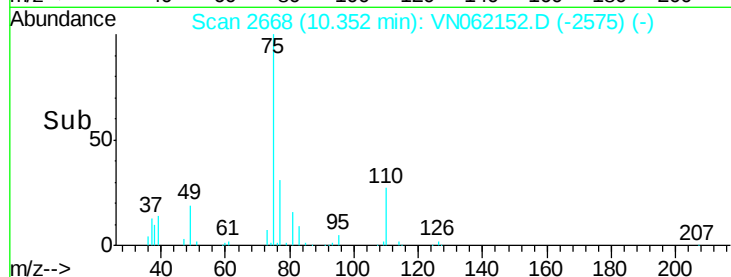
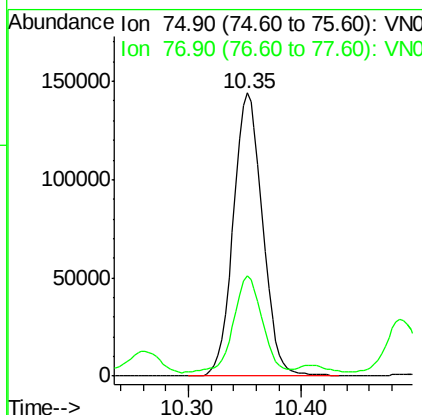
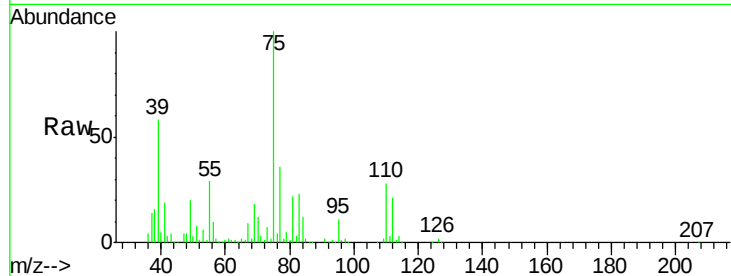
#53
t-1,3-Dichloropropene
Concen: 52.031 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.5	38.3

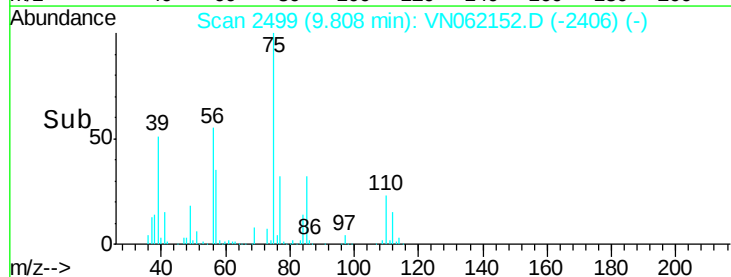
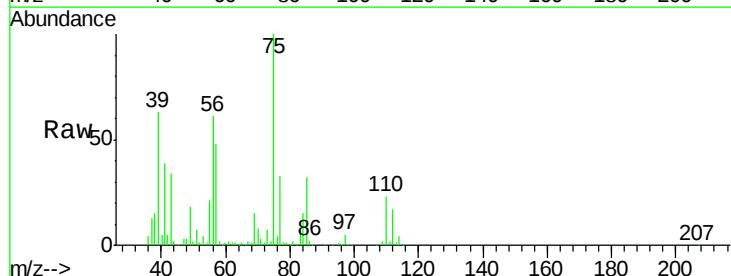
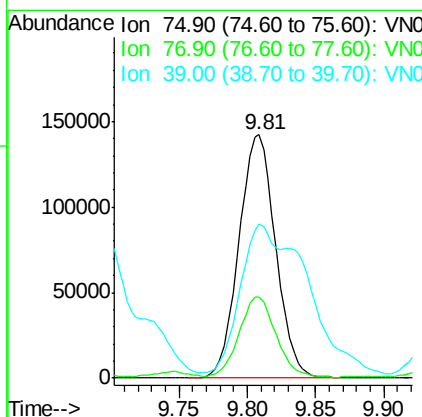
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 50.157 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.6
39	59.1	36.9	55.3#





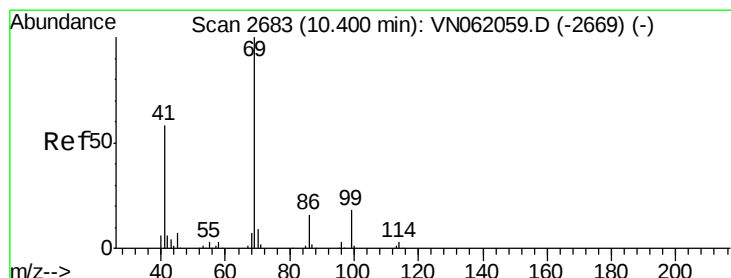
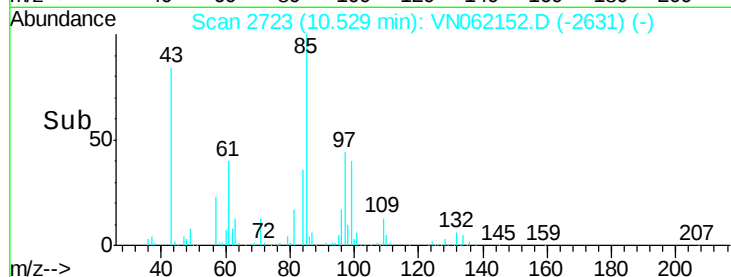
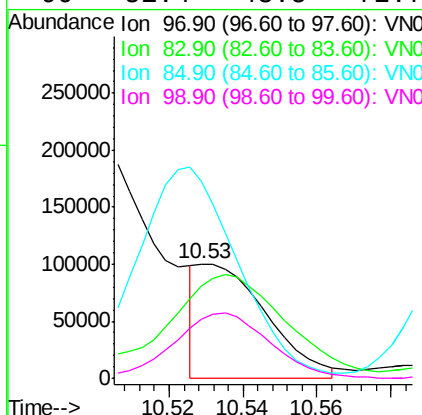
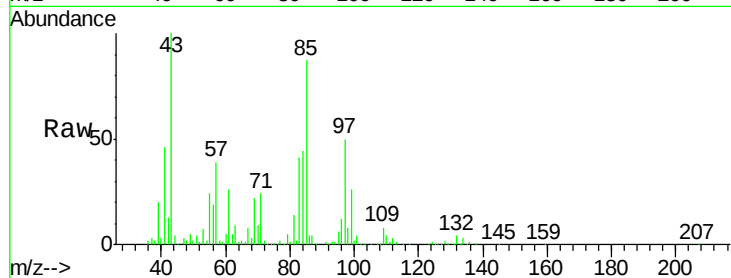
#55
 1,1,2-Trichloroethane
 Concen: 40.281 ug/l m
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.6	68.2	102.2
85	173.1	43.2	64.8#
99	51.4	48.5	72.7

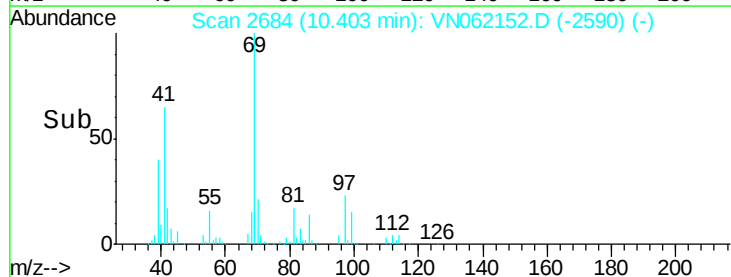
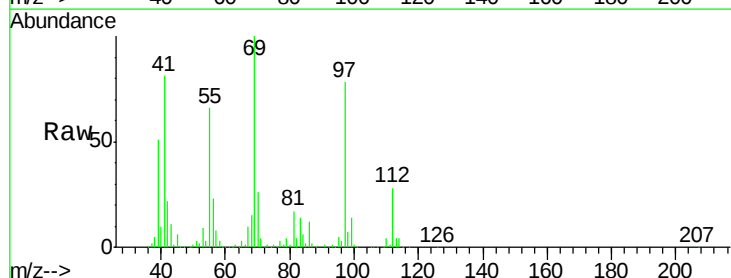
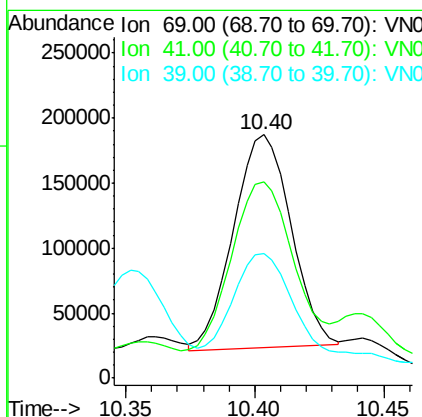
Manual Integrations
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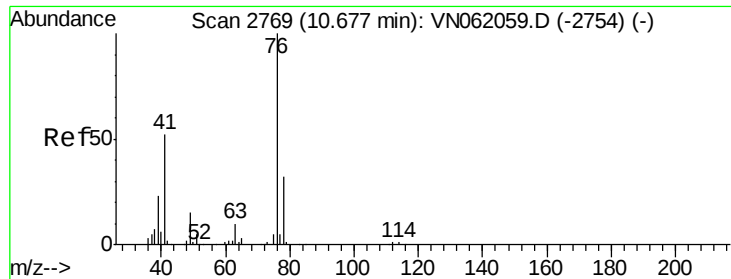
MMDadoda
 6/29/2020 12:35:44 PM



#56
 Ethyl methacrylate
 Concen: 59.238 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.9	46.6	70.0#
39	64.8	31.0	46.4#





#57

1,3-Dichloropropane

Concen: 51.763 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 76 Resp: 286704

Ion Ratio Lower Upper

76 100

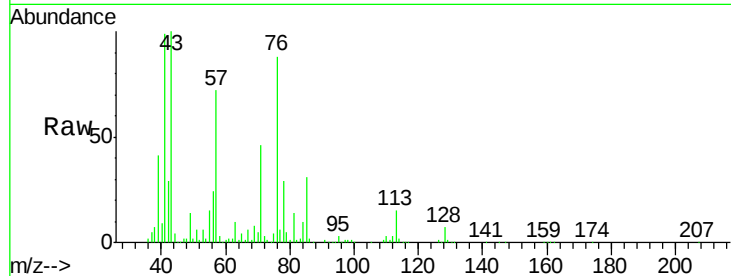
78 33.2 25.8 38.8

Manual Integrations

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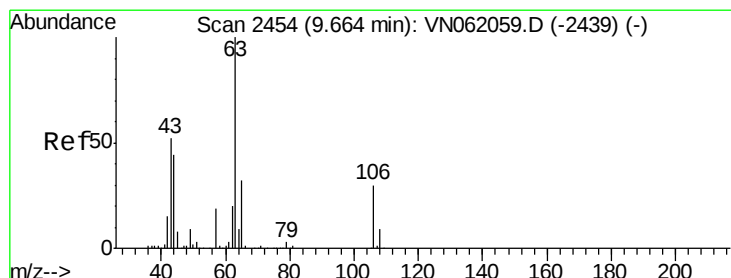
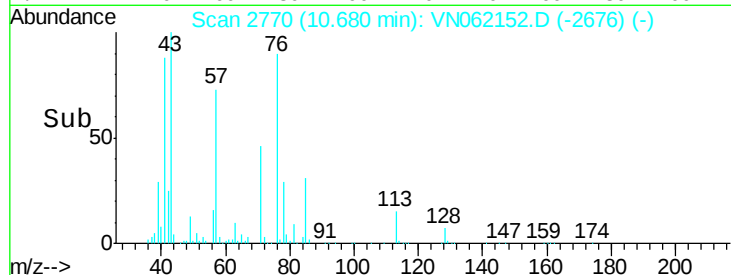
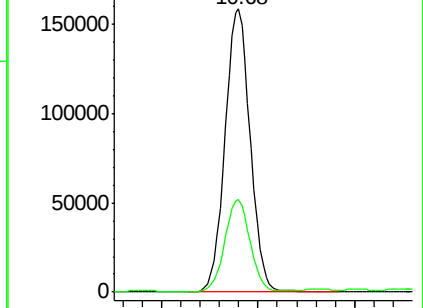
MMDadoda

6/29/2020 12:35:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VN062152.D (-2676) (-)

Ion 77.90 (77.60 to 78.60): VN062152.D (-2676) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 293.770 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062152.D

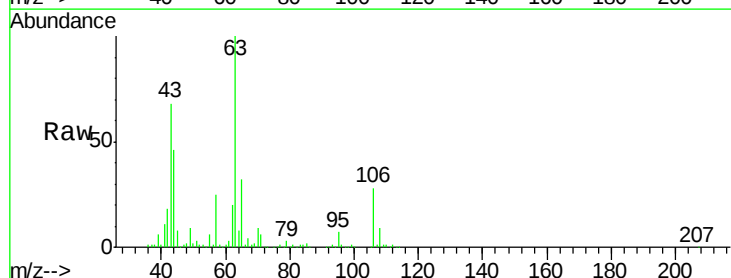
Acq: 26 Jun 2020 20:15

Tgt Ion: 63 Resp: 542632

Ion Ratio Lower Upper

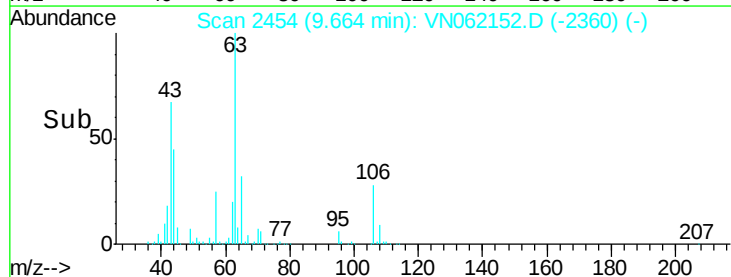
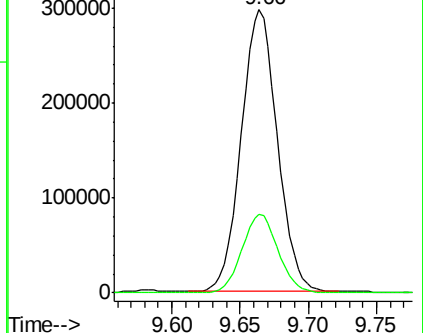
63 100

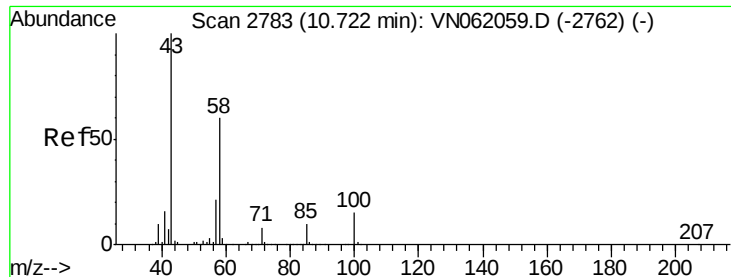
106 28.1 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN062152.D (-2360) (-)

Ion 105.90 (105.60 to 106.60): VN062152.D (-2360) (-)





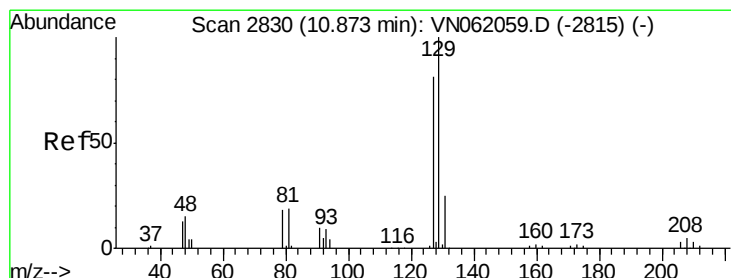
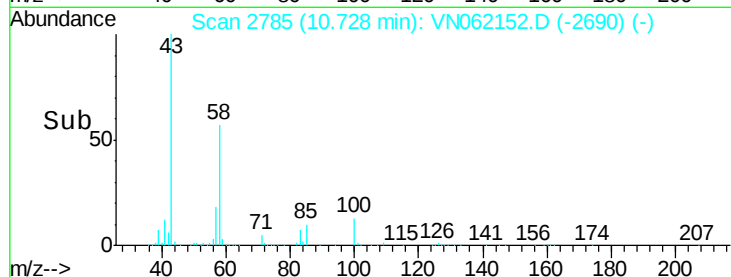
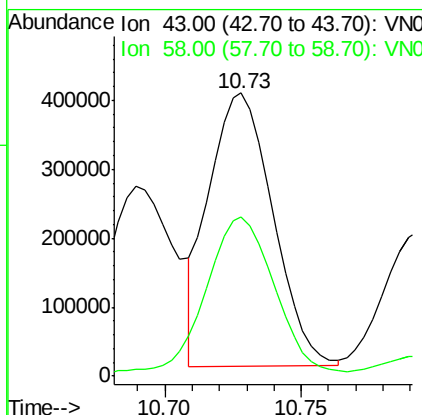
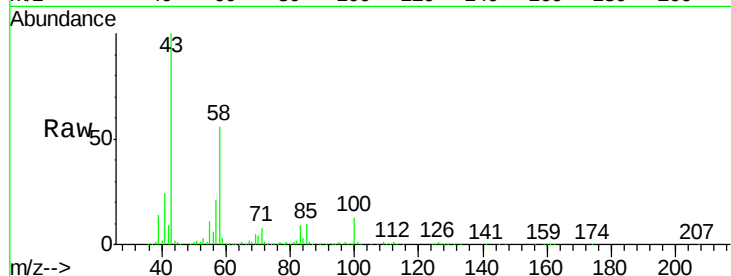
#59
2-Hexanone
Concen: 257.262 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 43 Resp: 644913
Ion Ratio Lower Upper
43 100
58 64.6 29.5 88.5

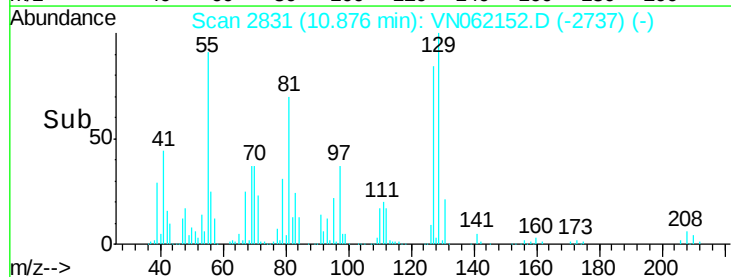
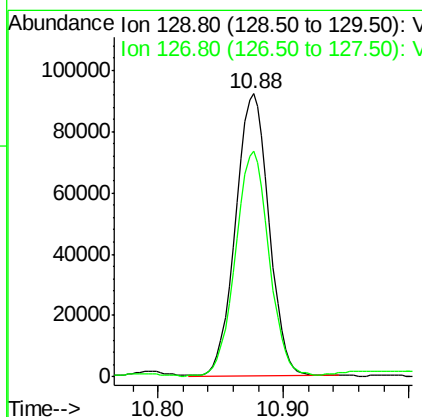
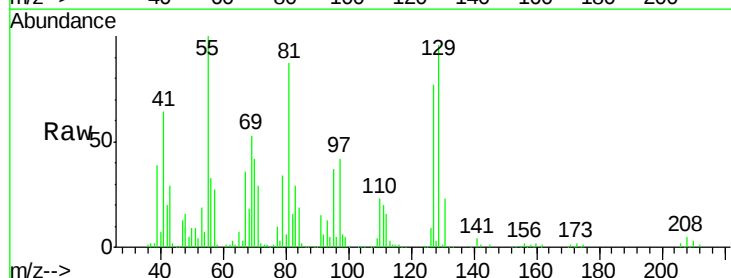
Manual Integrations
APPROVED

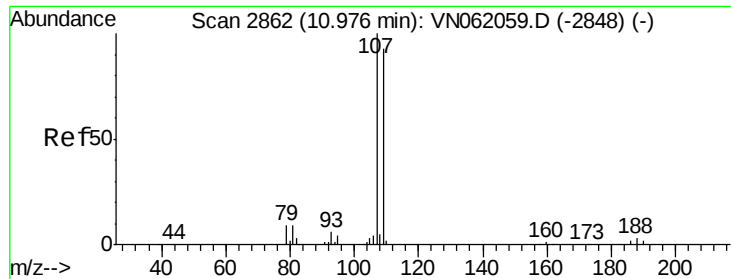
MMDadoda
6/29/2020 12:35:44 PM



#60
Dibromochloromethane
Concen: 49.828 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 129 Resp: 169756
Ion Ratio Lower Upper
129 100
127 80.1 39.5 118.5





#61

1,2-Dibromoethane

Concen: 53.100 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:107 Resp: 175574

Ion Ratio Lower Upper

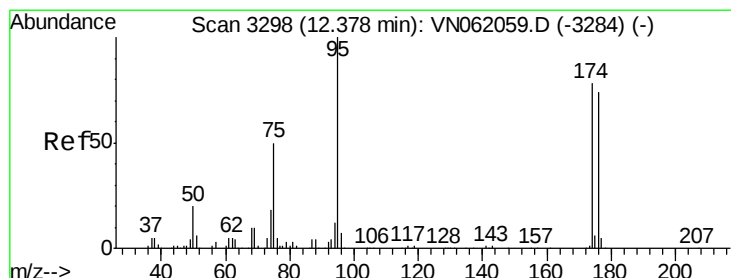
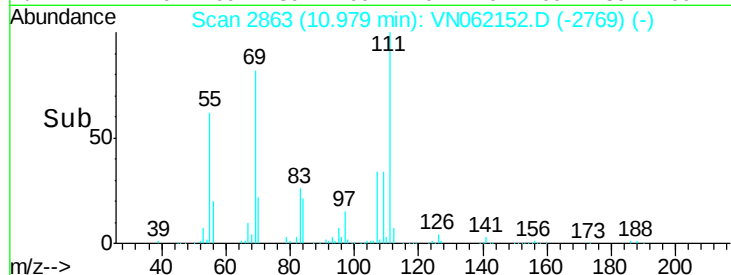
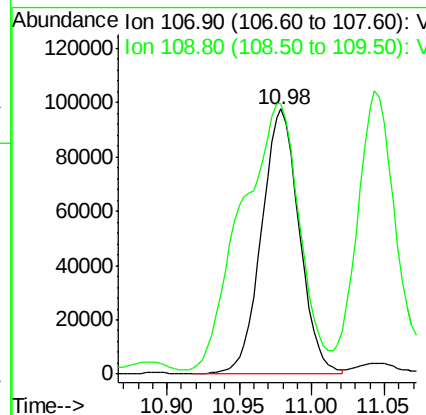
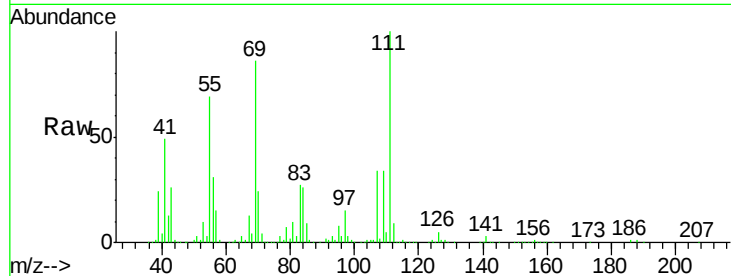
107 100

109 154.9 75.0 112.6#

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#62

4-Bromofluorobenzene

Concen: 85.098 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

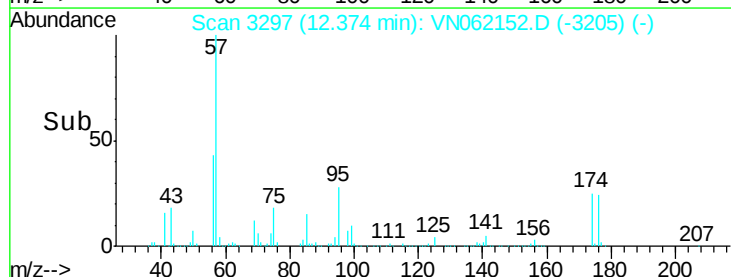
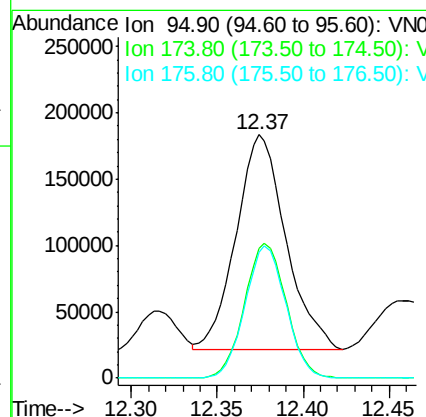
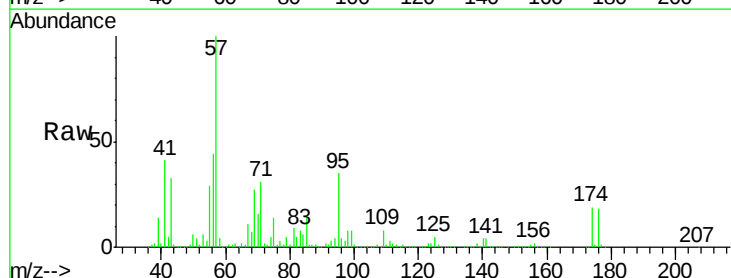
Tgt Ion: 95 Resp: 322893

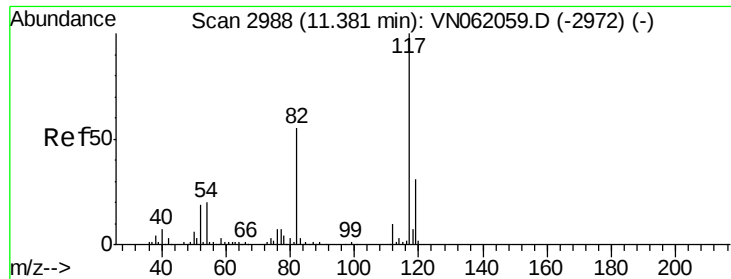
Ion Ratio Lower Upper

95 100

174 53.0 0.0 154.8

176 50.9 0.0 147.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

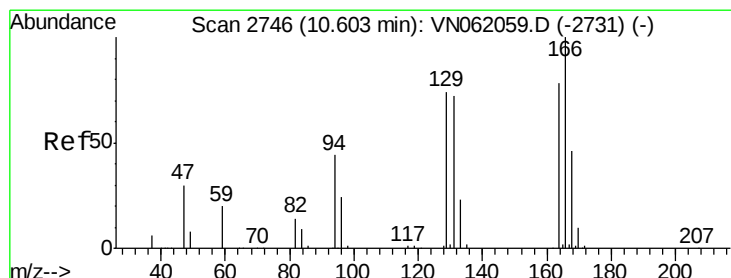
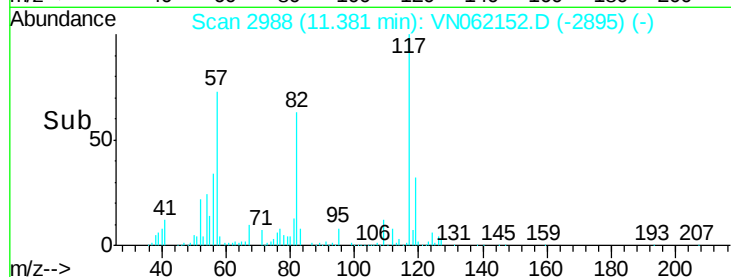
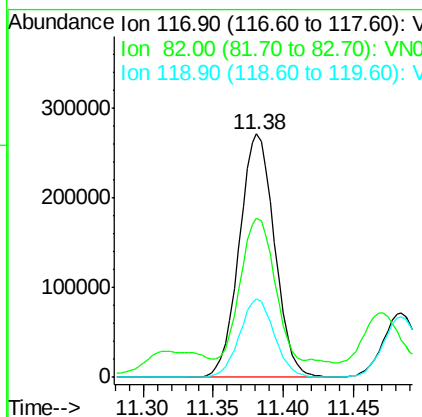
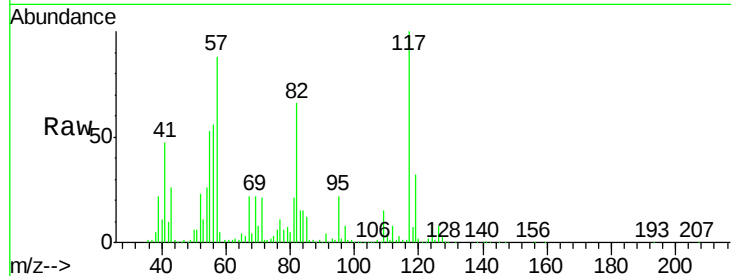
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	117	Resp:	475532
Ion Ratio	Lower	Upper	
117	100		
82	59.6	43.8	65.8
119	31.9	25.2	37.8

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#64

Tetrachloroethene

Concen: 40.908 ug/l

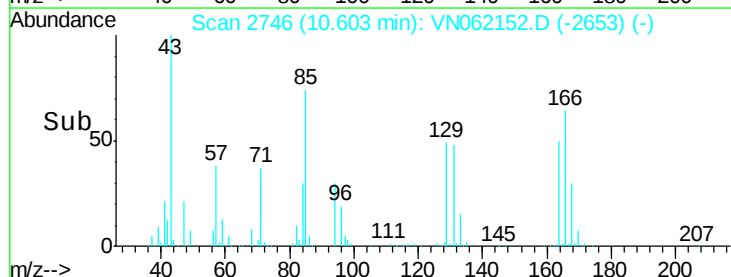
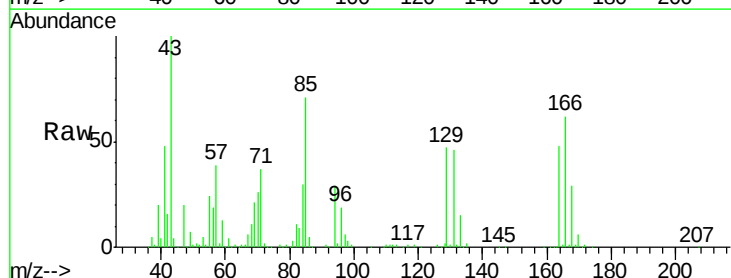
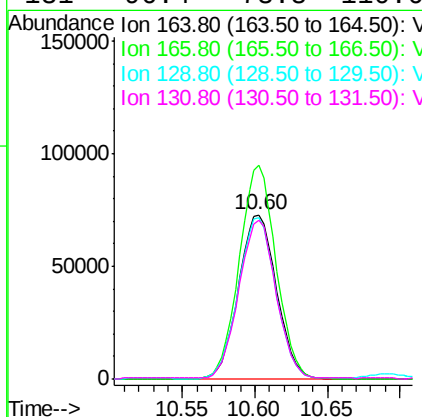
RT: 10.60 min Scan# 2746

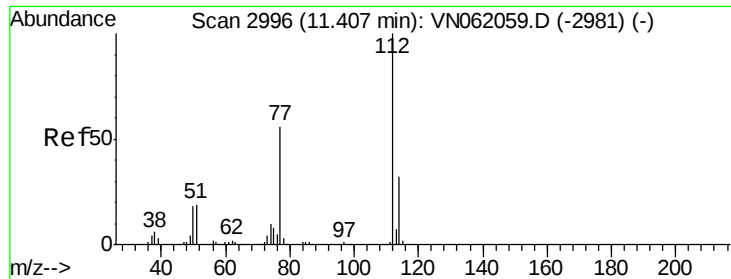
Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion:	164	Resp:	132883
Ion Ratio	Lower	Upper	
164	100		
166	129.8	102.9	154.3
129	98.1	75.8	113.8
131	96.4	73.8	110.6





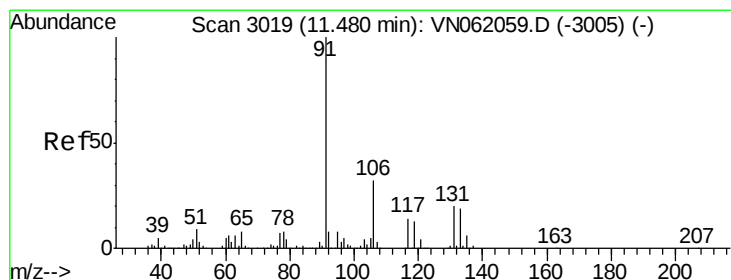
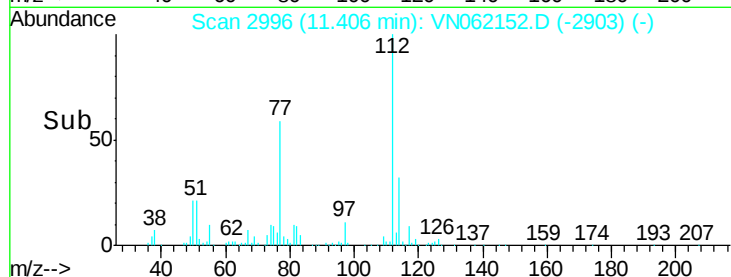
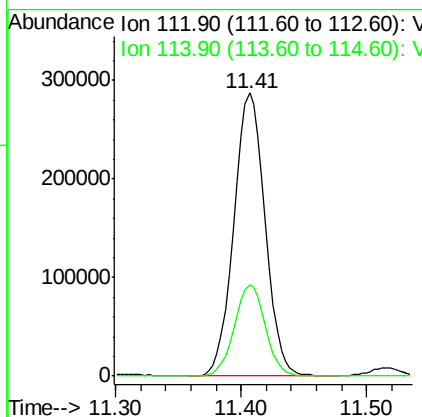
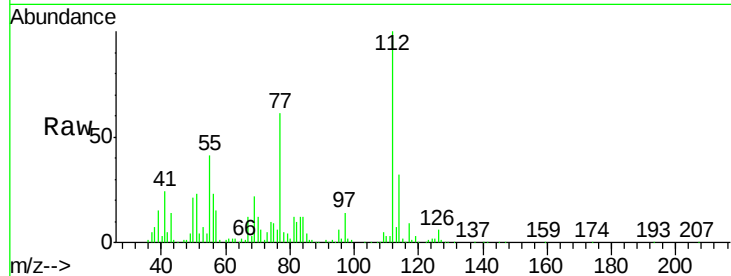
#65
Chlorobenzene
Concen: 47.574 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:112 Resp: 496807
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

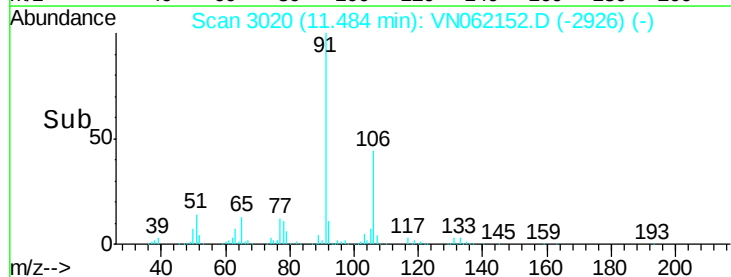
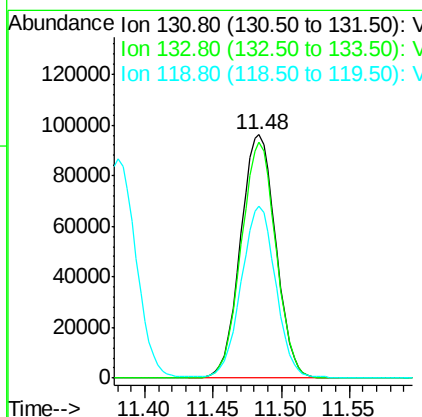
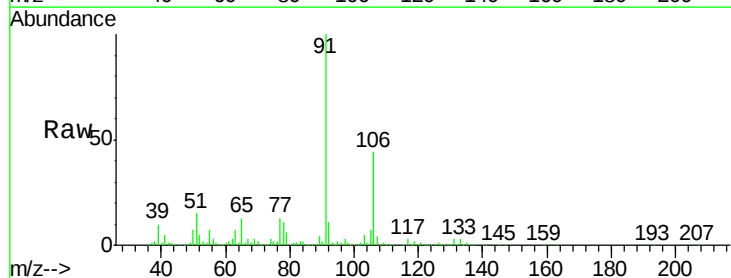
Manual Integrations
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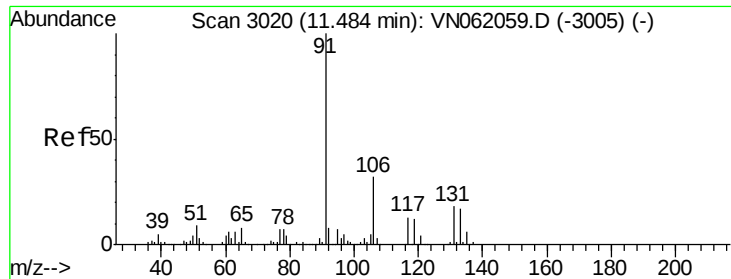
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.914 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:131 Resp: 173018
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 68.3 34.4 103.3





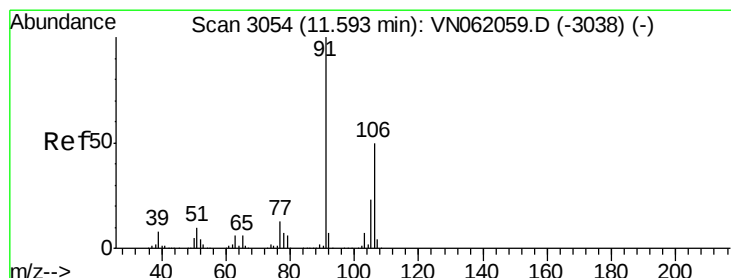
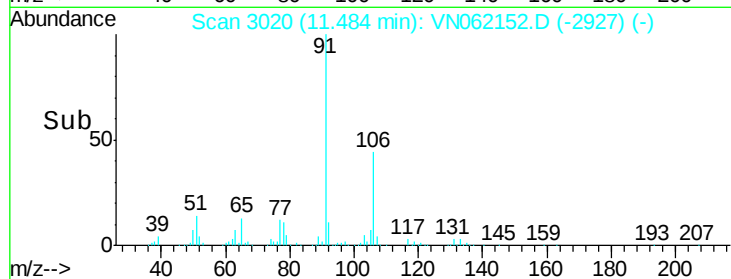
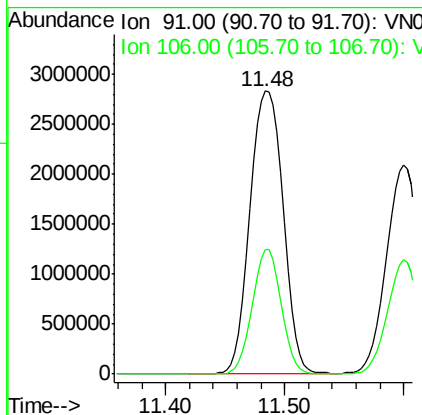
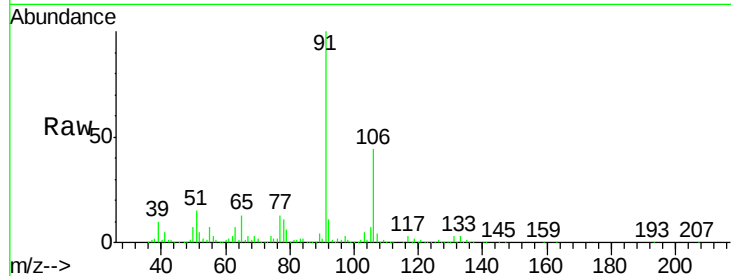
#67
Ethyl Benzene
Concen: 311.267 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 91 Resp: 5489666
Ion Ratio Lower Upper
91 100
106 44.1 25.3 37.9#

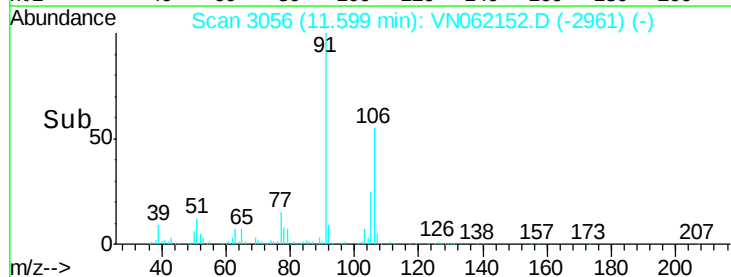
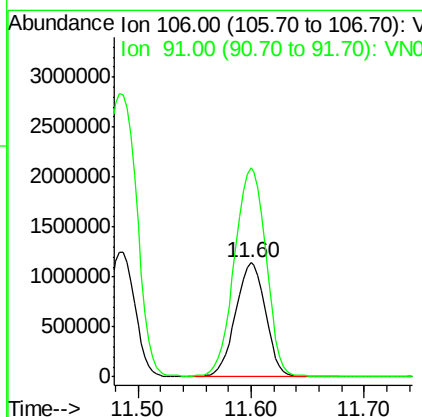
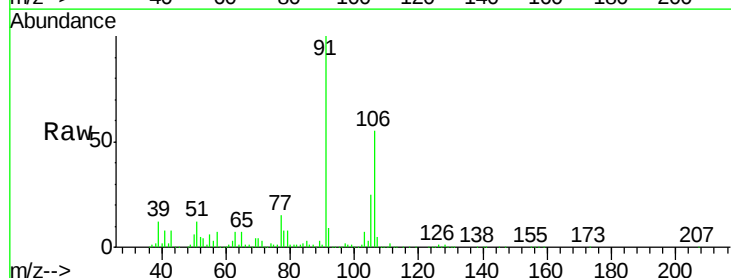
Manual Integrations
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6/29/2020 12:35:44 PM



#68
m/p-Xylenes
Concen: 308.956 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 106 Resp: 2107549
Ion Ratio Lower Upper
106 100
91 191.7 157.8 236.8





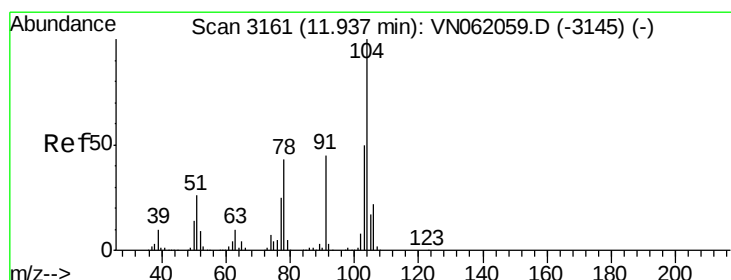
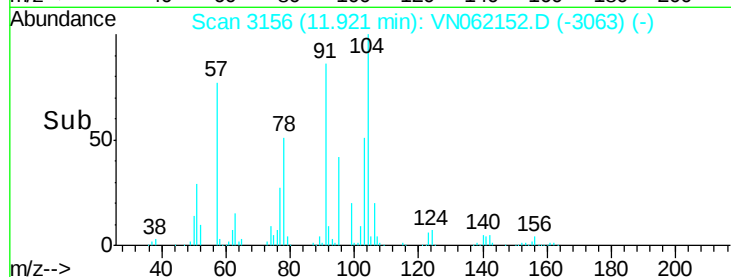
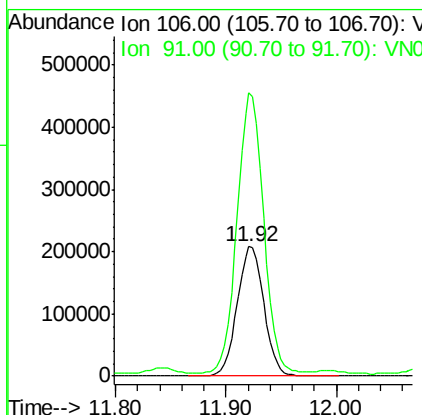
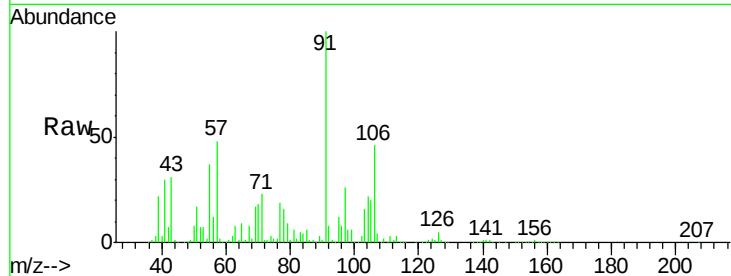
#69
o-Xylene
Concen: 53.856 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion:106 Resp: 346624
Ion Ratio Lower Upper
106 100
91 216.3 104.0 311.9

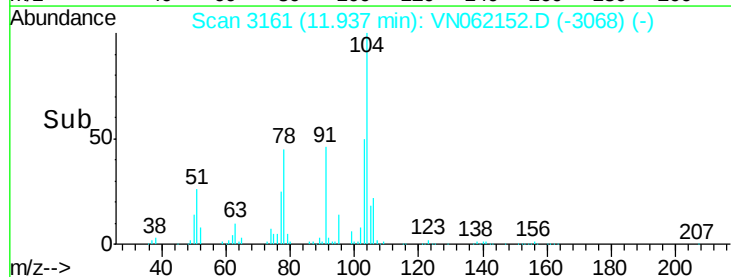
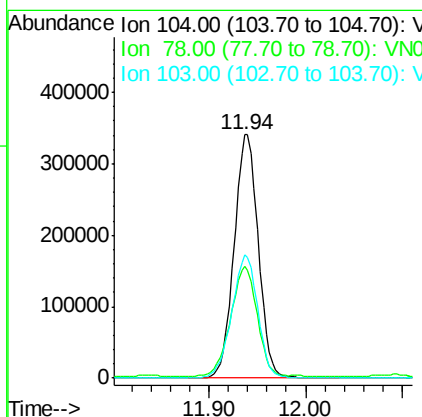
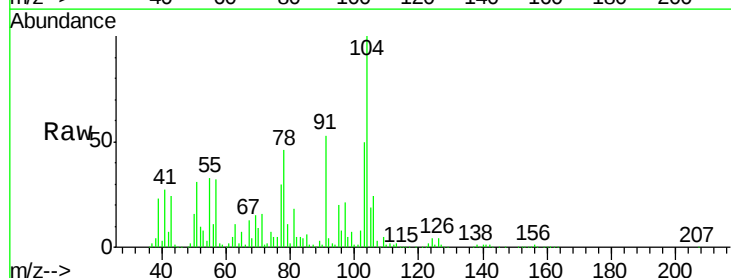
Manual Integrations
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#70
Styrene
Concen: 55.055 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion:104 Resp: 590954
Ion Ratio Lower Upper
104 100
78 49.6 37.7 56.5
103 54.1 43.0 64.6





#71

Bromoform

Concen: 48.981 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:173 Resp: 125755

Ion Ratio Lower Upper

173 100

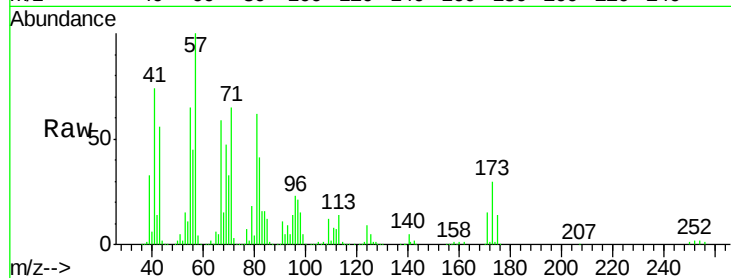
175 47.4 24.7 74.1

254 0.0 0.0 0.0

Manual Integrations
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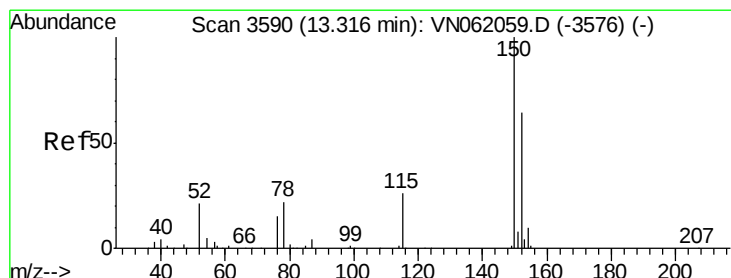
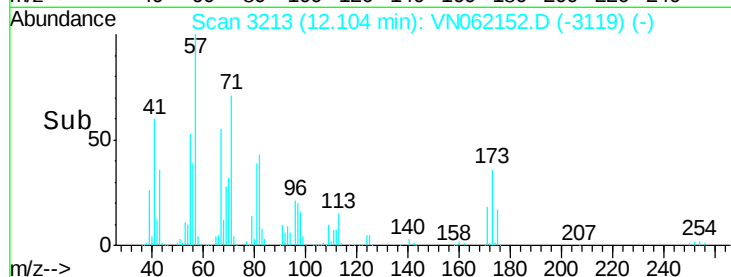
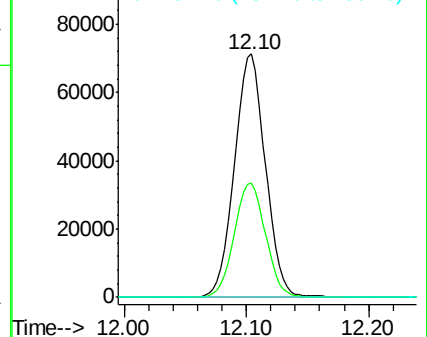
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3591

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

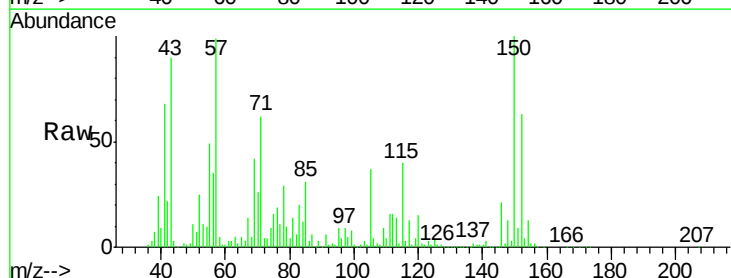
Tgt Ion:152 Resp: 259879

Ion Ratio Lower Upper

152 100

115 50.1 29.5 88.5

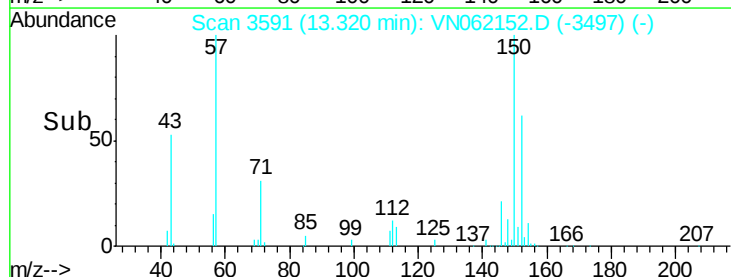
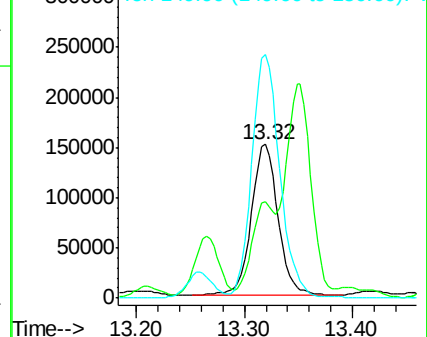
150 167.3 0.0 351.4

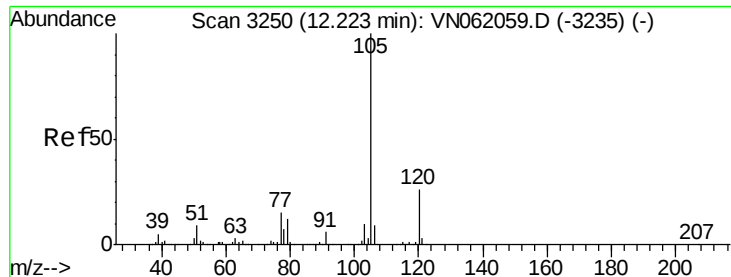


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 110.699 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:105 Resp: 2226910

Ion Ratio Lower Upper

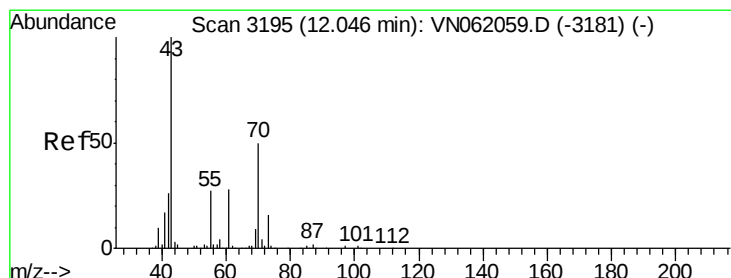
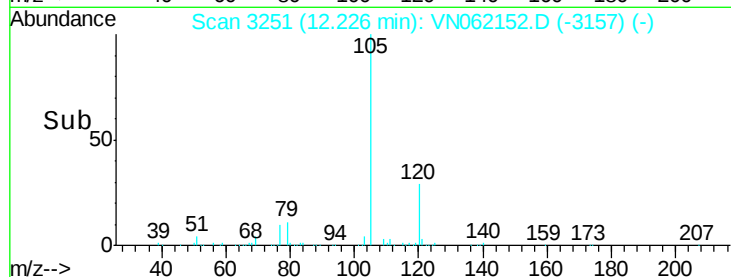
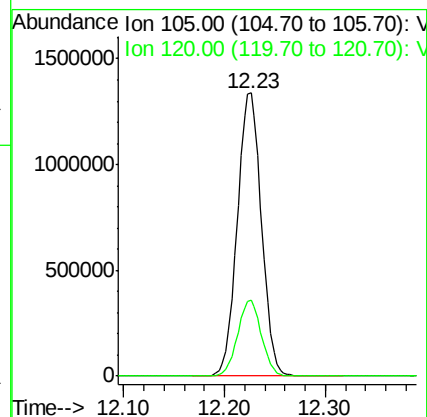
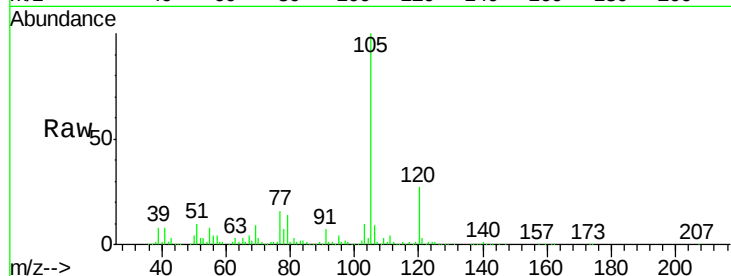
105 100

120 26.4 13.2 39.6

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#74

N-ethyl acetate

Concen: 49.447 ug/l m

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion: 43 Resp: 365874

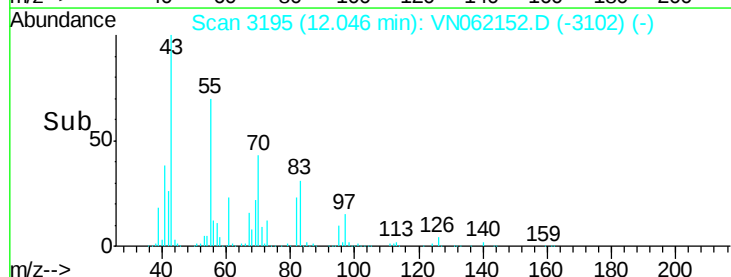
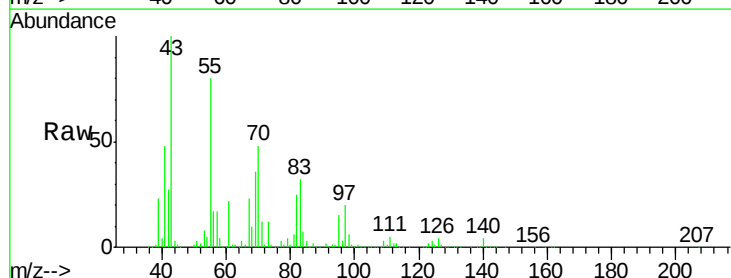
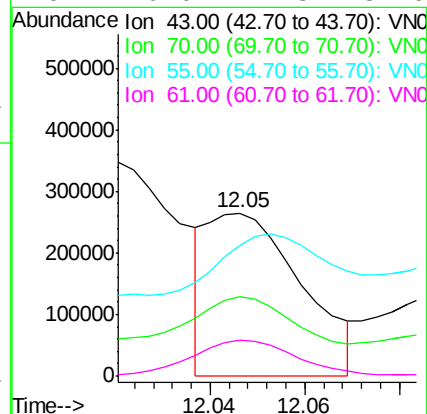
Ion Ratio Lower Upper

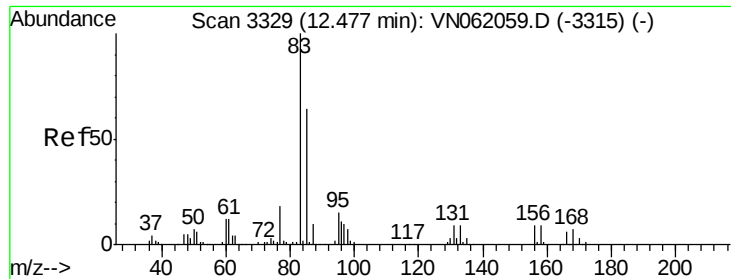
43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 38.436 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

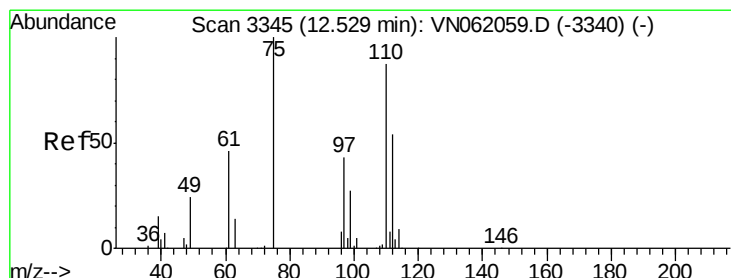
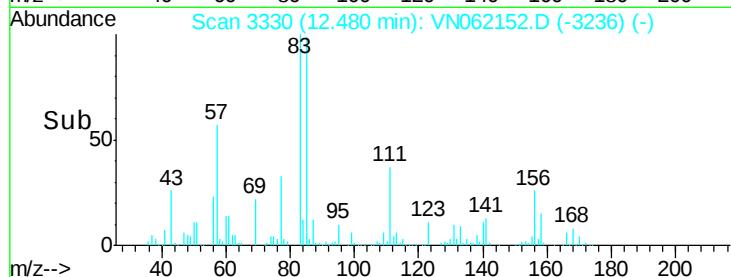
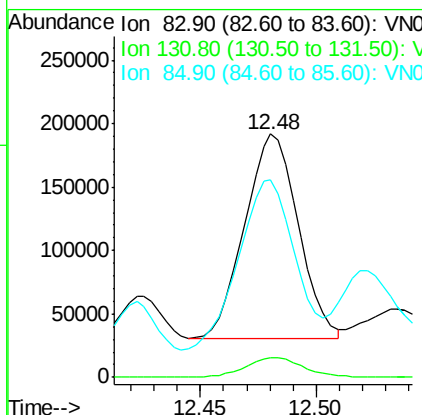
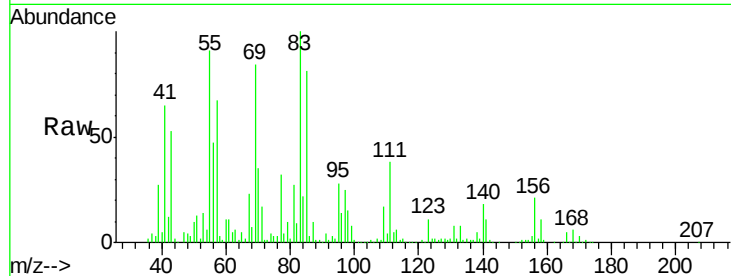
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.4
85	108.6	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 37.909 ug/l m

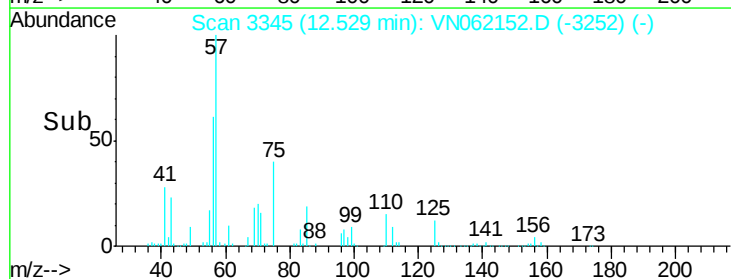
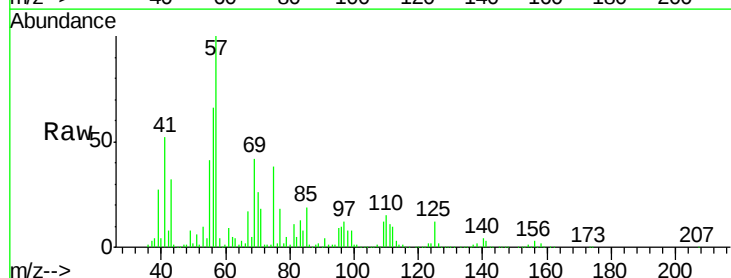
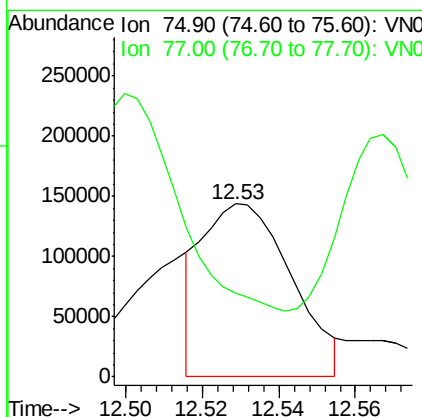
RT: 12.53 min Scan# 3345

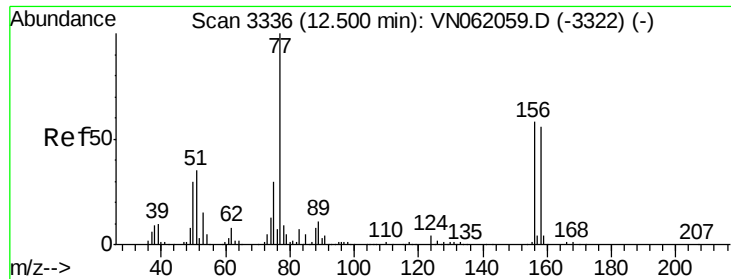
Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.145 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

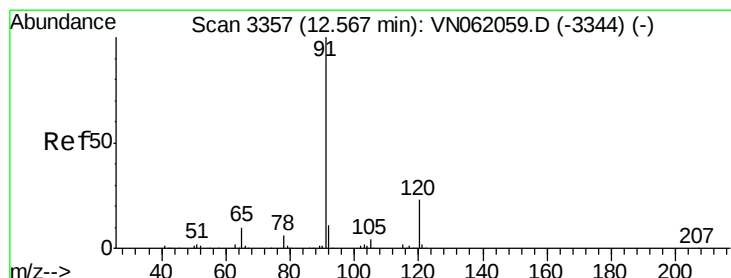
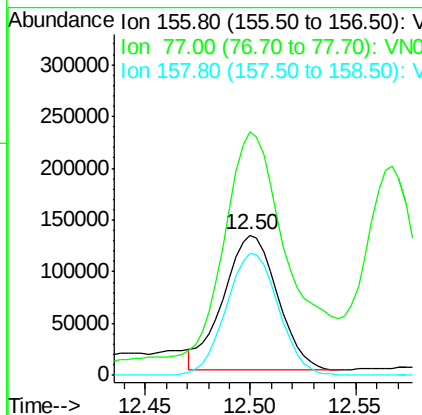
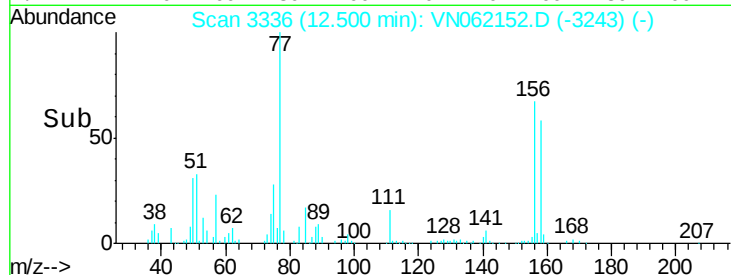
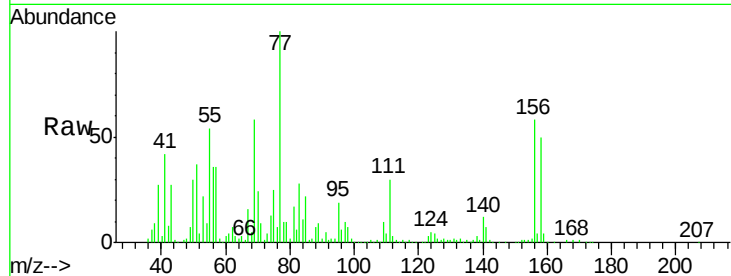
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
230461	156	100		
	77	198.4	104.6	313.8
	158	87.9	48.0	144.0

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#78

n-propylbenzene

Concen: 252.135 ug/l

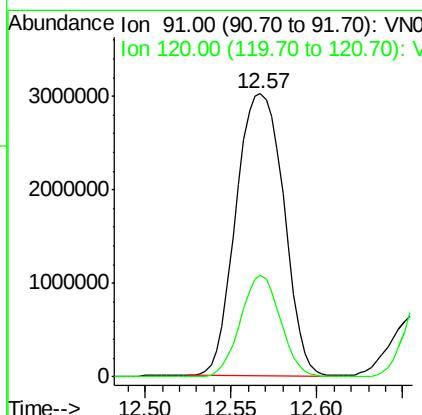
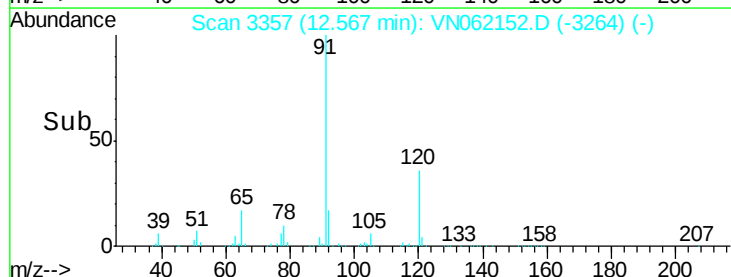
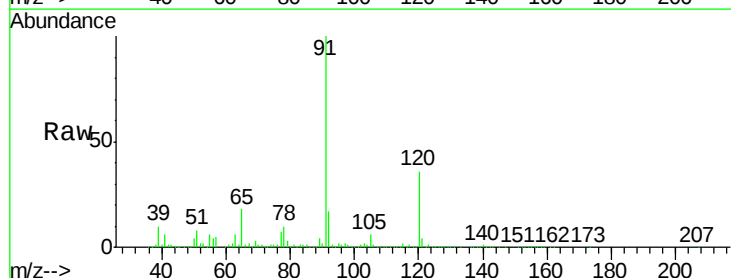
RT: 12.57 min Scan# 3357

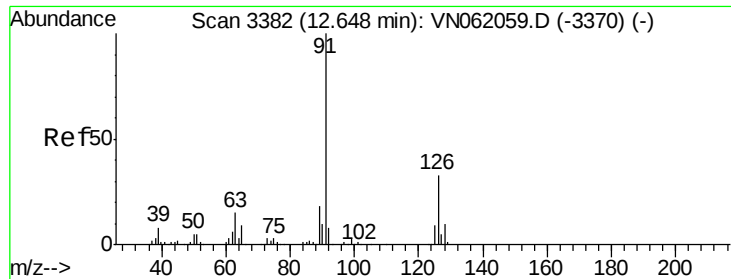
Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion	Ion	Ratio	Lower	Upper
5801780	91	100		
	120	30.1	11.4	34.1





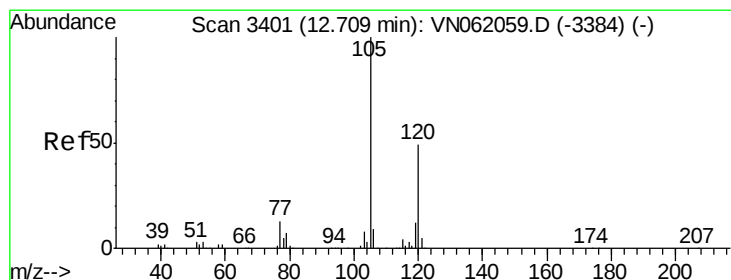
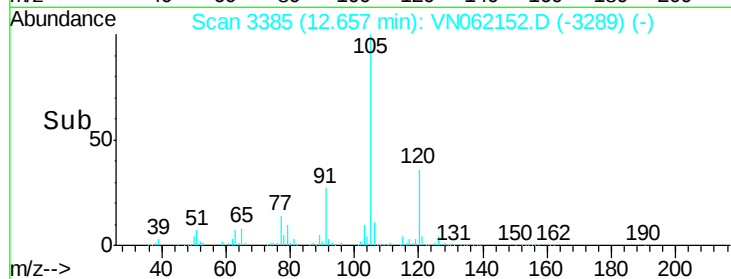
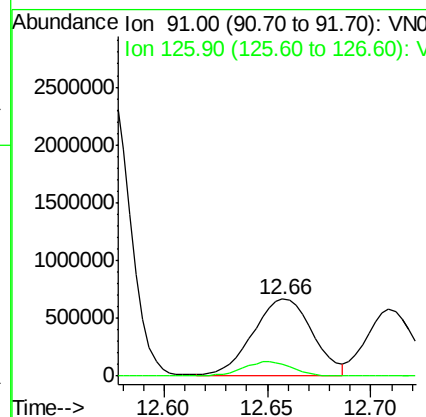
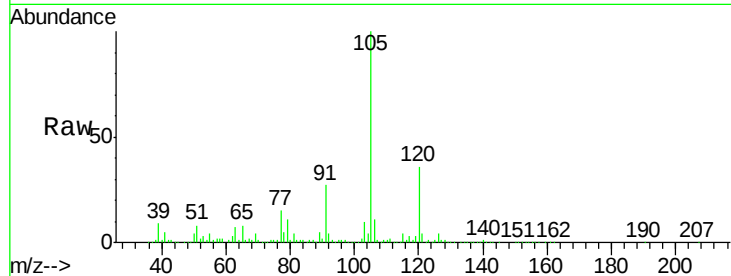
#79
 2-Chlorotoluene
 Concen: 96.806 ug/l m
 RT: 12.66 min Scan# 3385
 Delta R.T. 0.01 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion: 91 Resp: 1346658
 Ion Ratio Lower Upper
 91 100
 126 17.7 16.9 50.7

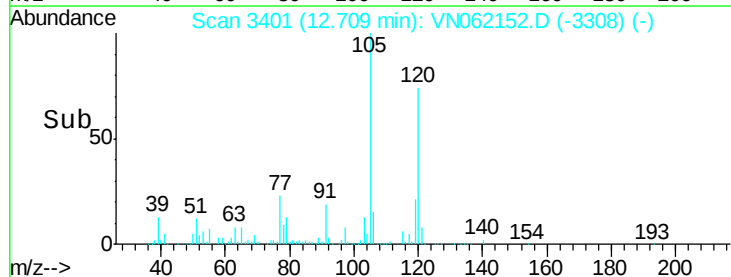
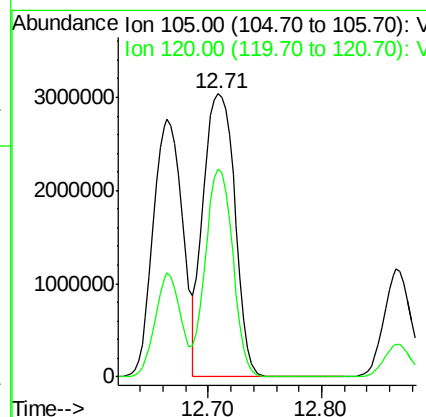
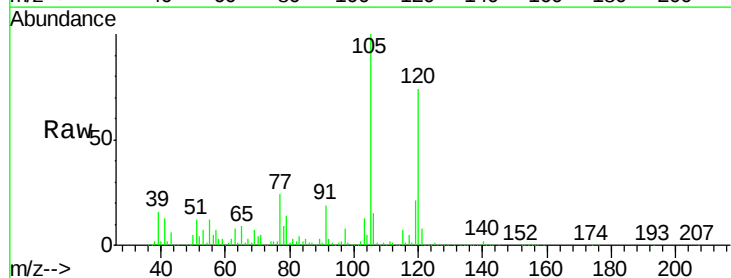
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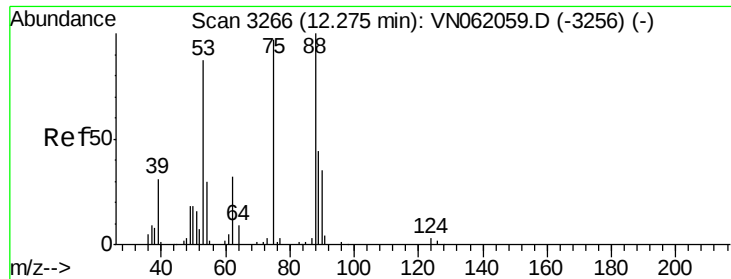
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#80
 1,3,5-Trimethylbenzene
 Concen: 360.312 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion: 105 Resp: 5875861
 Ion Ratio Lower Upper
 105 100
 120 64.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.937 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion: 75 Resp: 89947

Ion Ratio Lower Upper

75 100

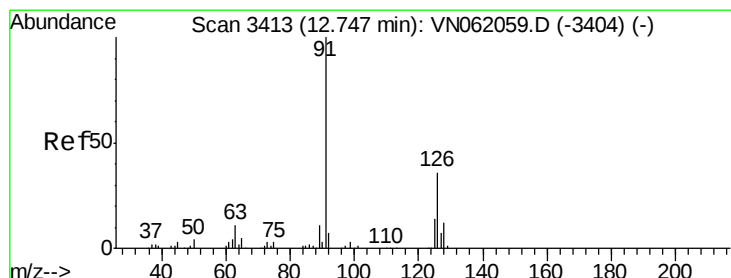
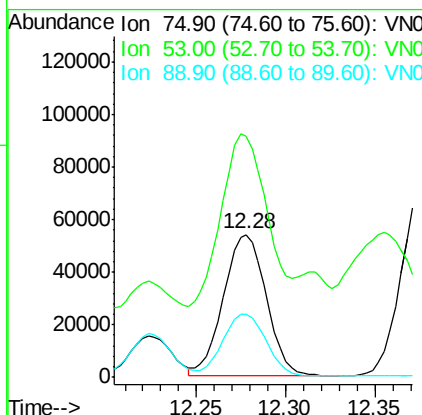
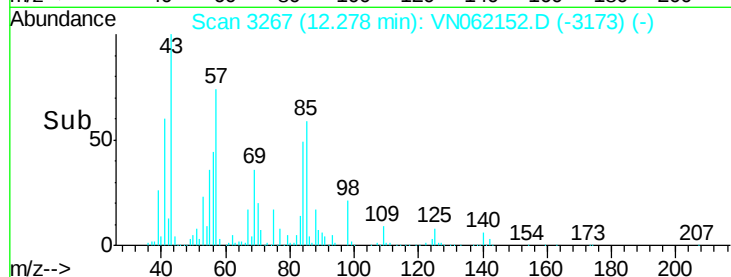
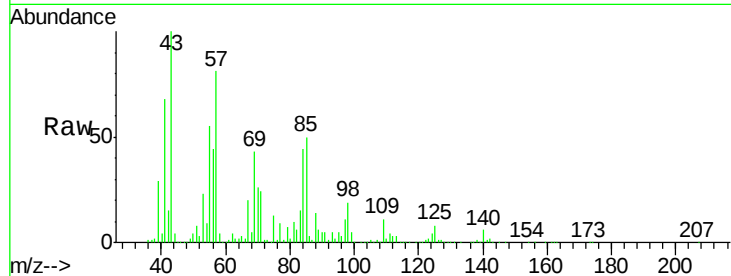
53 127.6 72.0 108.0#

89 44.8 36.9 55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 44.648 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062152.D

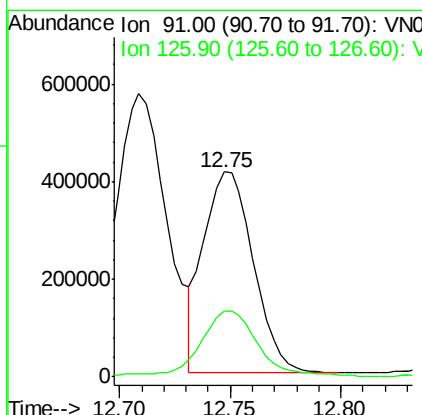
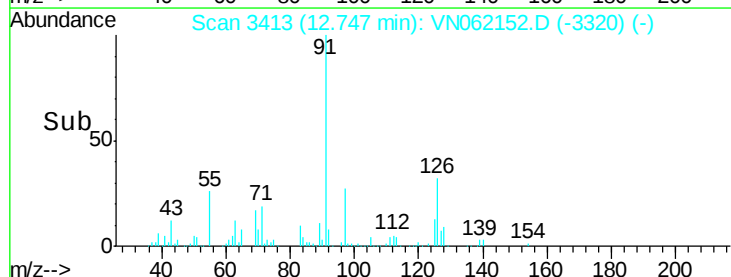
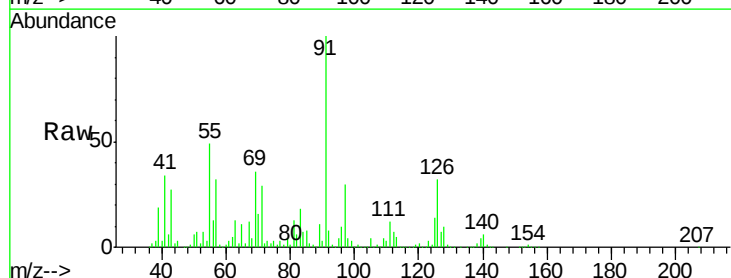
Acq: 26 Jun 2020 20:15

Tgt Ion: 91 Resp: 642276

Ion Ratio Lower Upper

91 100

126 37.3 16.7 50.1





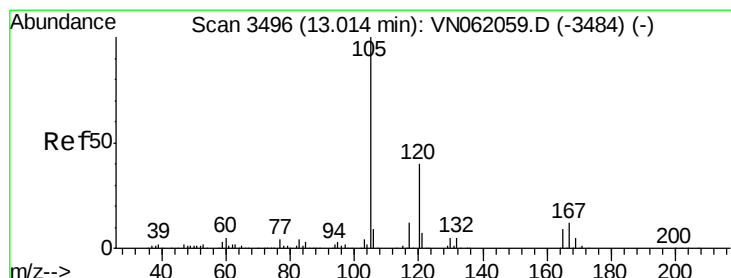
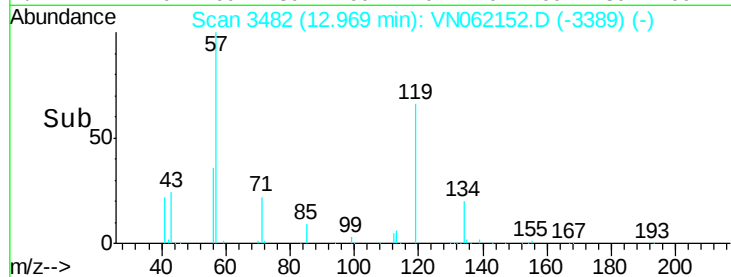
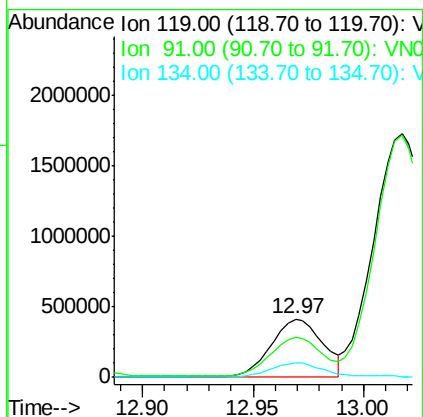
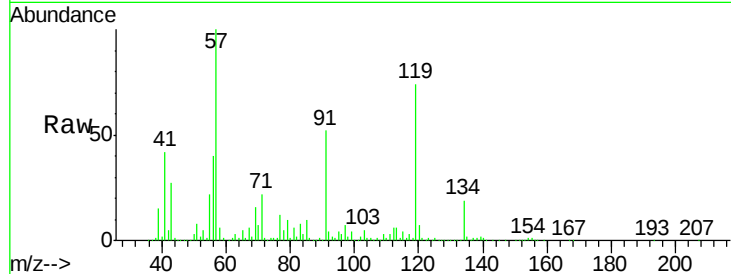
#83
tert-Butylbenzene
Concen: 48.104 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	31.7	95.1
134	26.9	13.1	39.1

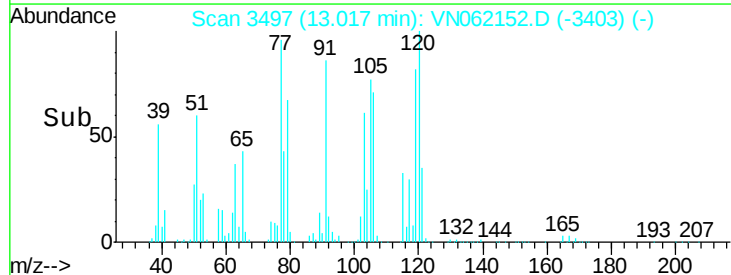
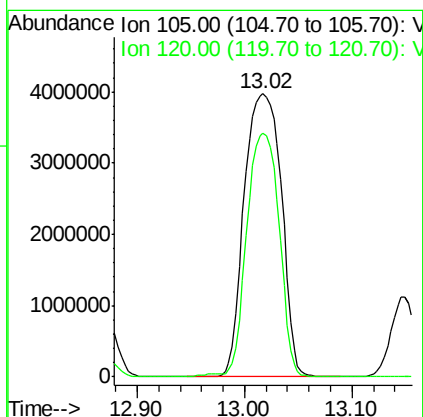
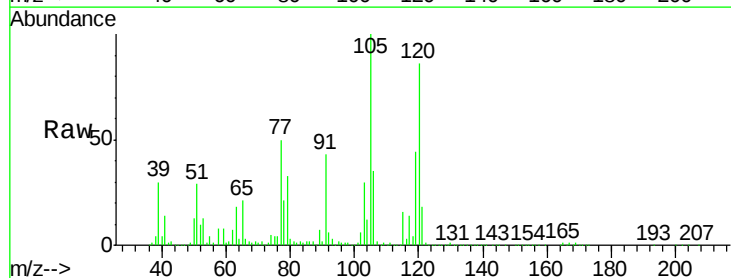
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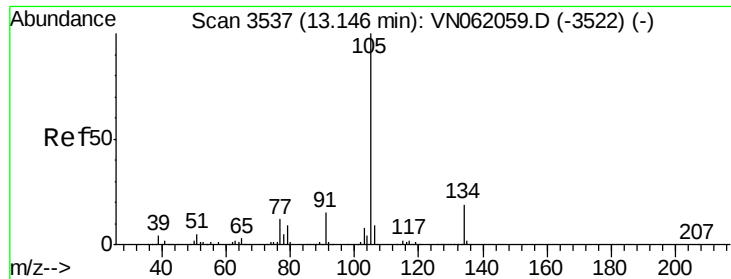
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#84
1,2,4-Trimethylbenzene
Concen: 587.482 ug/l m
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	5.9	23.2	69.5#





#85

sec-Butylbenzene

Concen: 97.408 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:105 Resp: 1796346

Ion Ratio Lower Upper

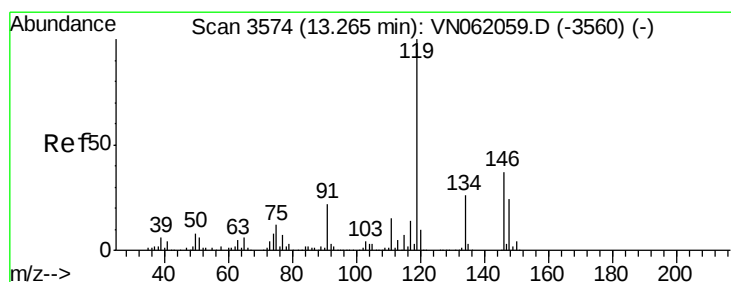
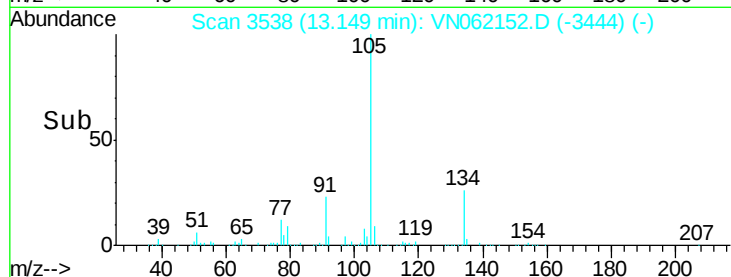
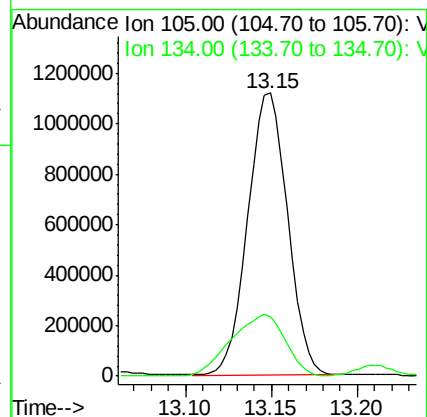
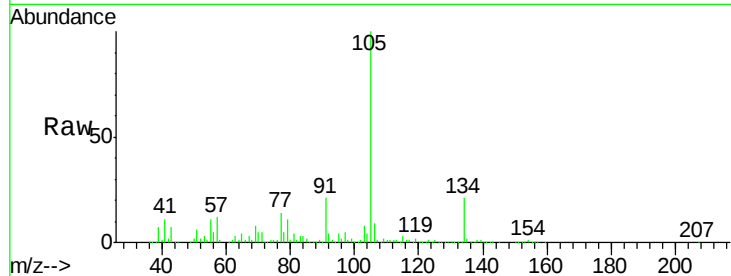
105 100

134 29.9 9.7 29.1#

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#86

p-Isopropyltoluene

Concen: 80.989 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

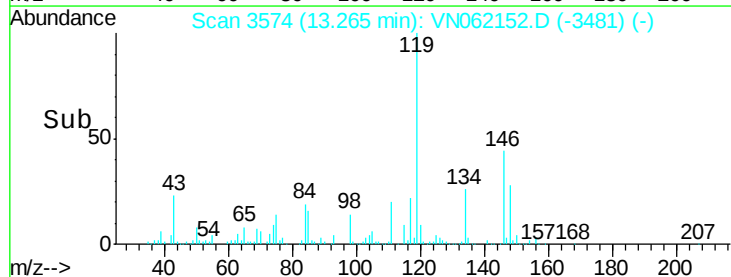
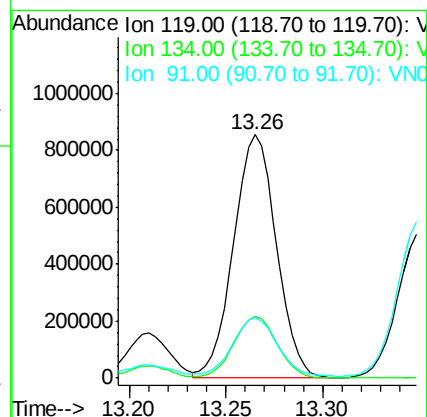
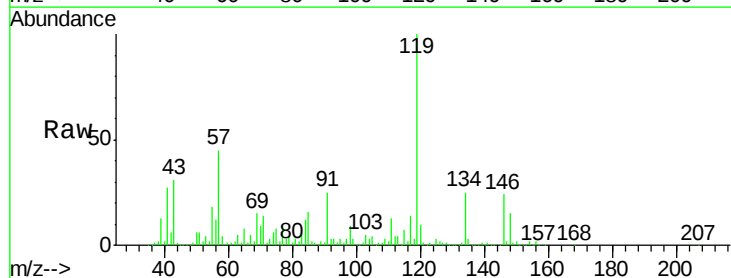
Tgt Ion:119 Resp: 1308532

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 24.6 11.3 33.8





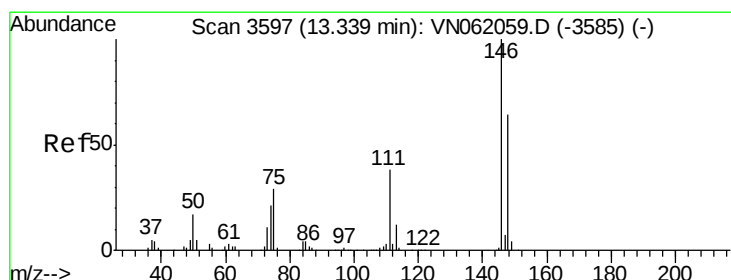
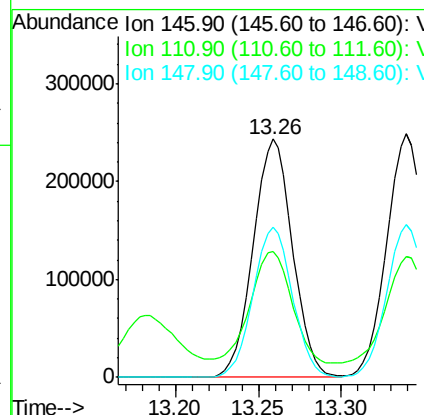
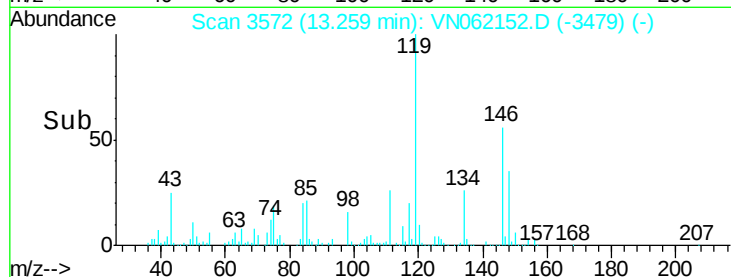
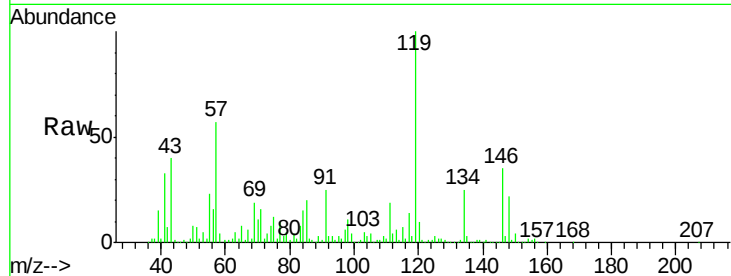
#87
 1,3-Dichlorobenzene
 Concen: 45.750 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	49.6	20.3	61.0	
148	63.0	31.8	95.3	

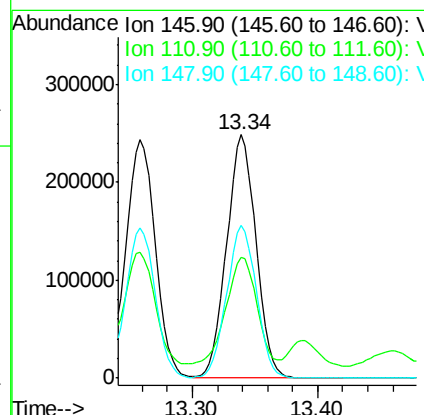
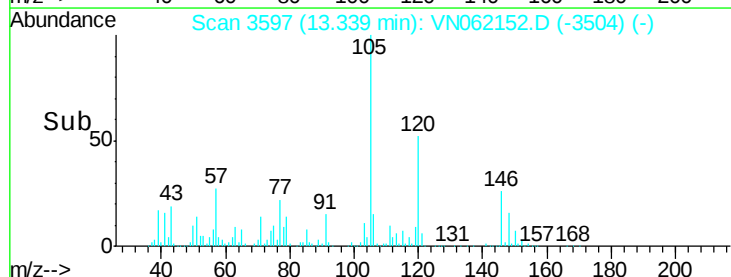
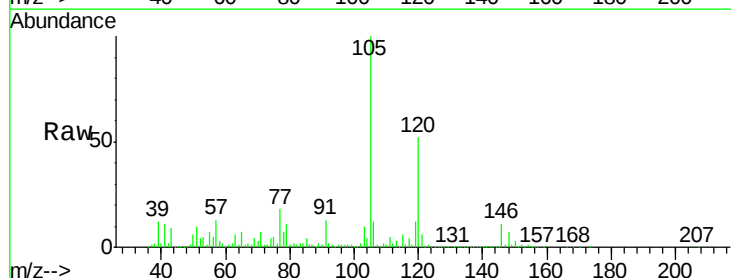
Manual Integrations
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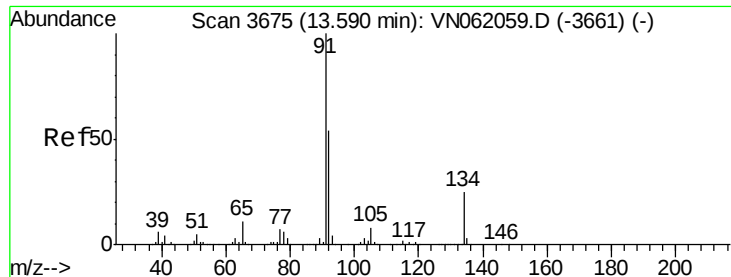
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#88
 1,4-Dichlorobenzene
 Concen: 44.728 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	45.1	19.9	59.6	
148	63.6	31.9	95.9	





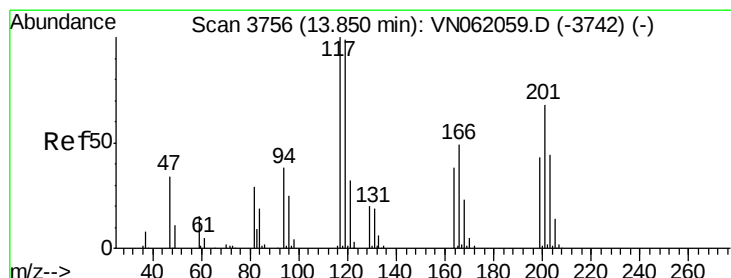
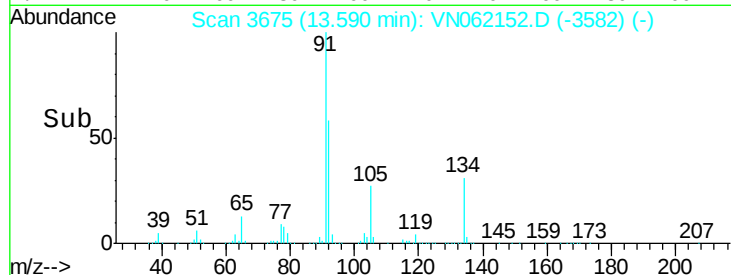
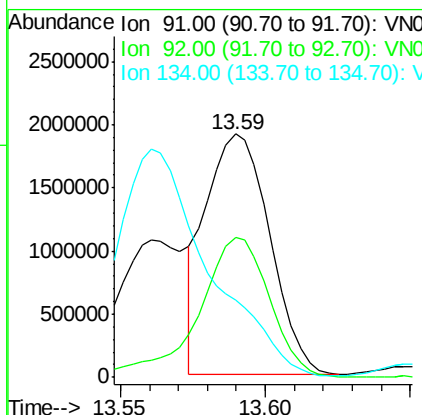
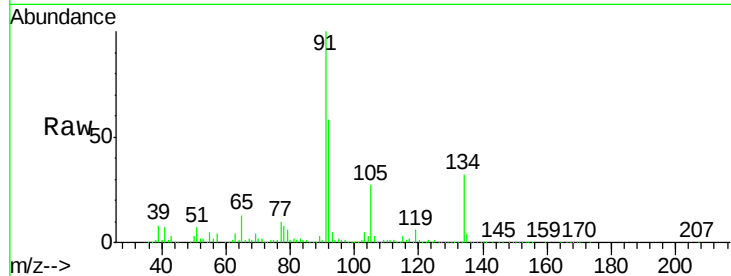
#89
n-Butylbenzene
Concen: 216.437 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion: 91 Resp: 2907289
Ion Ratio Lower Upper
91 100
92 64.6 26.6 79.7
134 0.0 12.3 36.9#

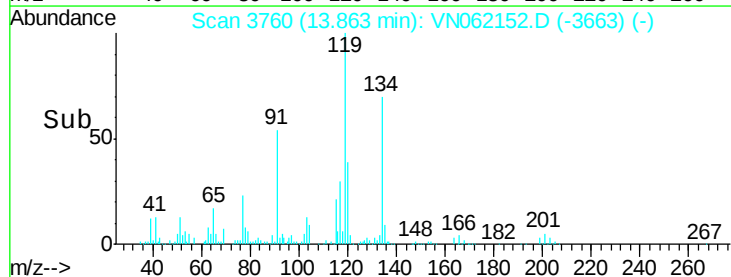
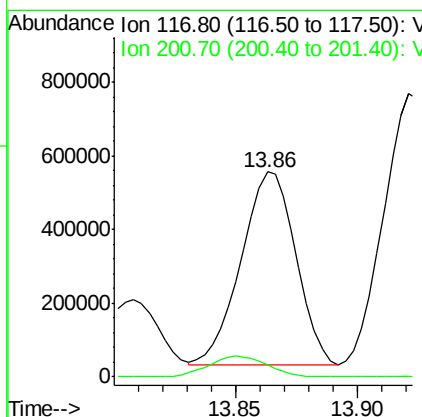
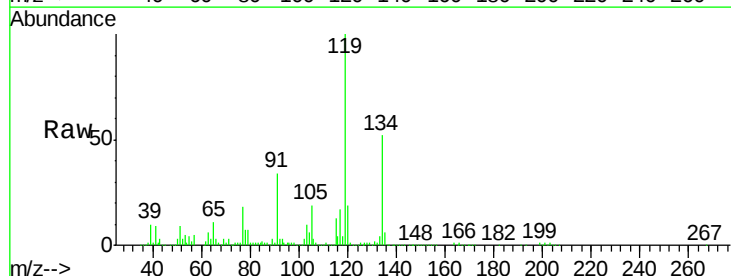
Manual Integrations
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#90
Hexachloroethane
Concen: 256.688 ug/l
RT: 13.86 min Scan# 3760
Delta R.T. 0.01 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion: 117 Resp: 813689
Ion Ratio Lower Upper
117 100
201 11.6 32.7 98.1#





#91

1,2-Dichlorobenzene

Concen: 48.286 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Instrument :

MSVOA_N

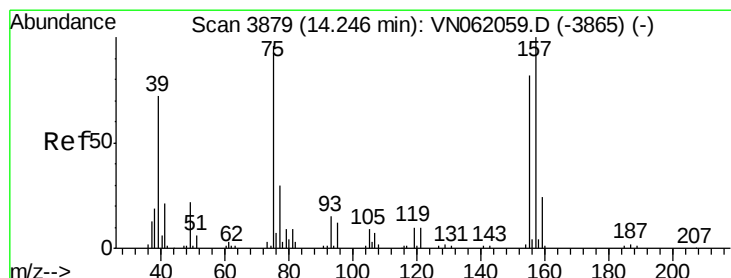
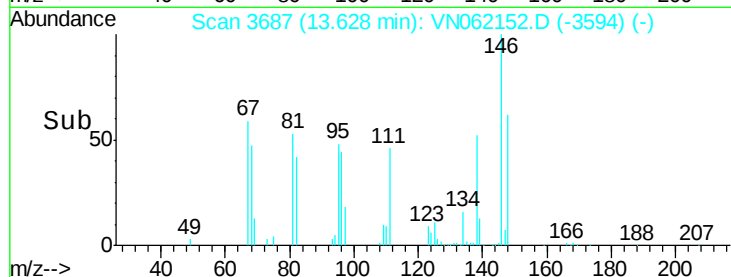
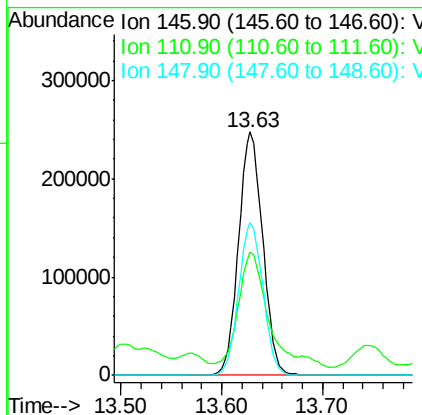
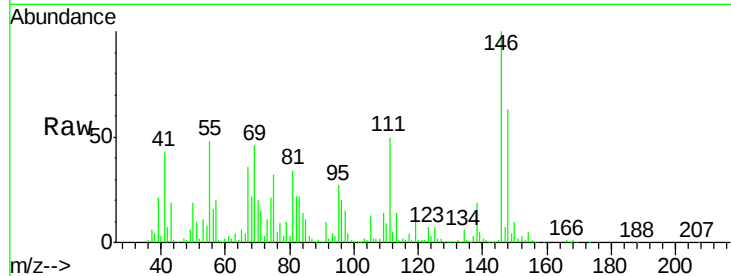
ClientSampleId :

MW-27(16.5-18.5)MSD

Tot Ion:	146	Resp:	410642
Ion Ratio	Lower	Upper	
146	100		
111	58.6	21.2	63.6
148	63.0	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 117.587 ug/l

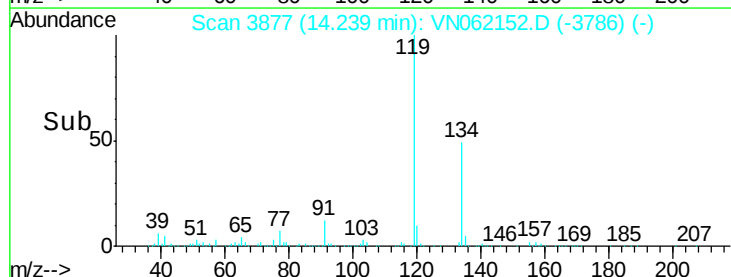
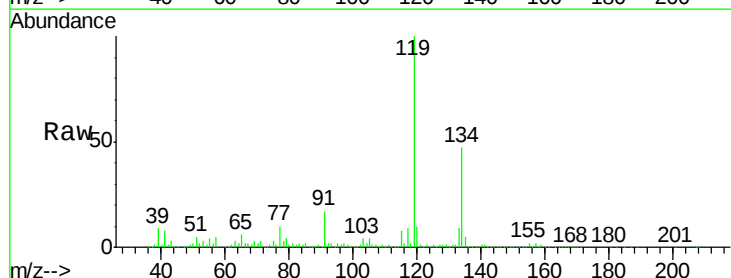
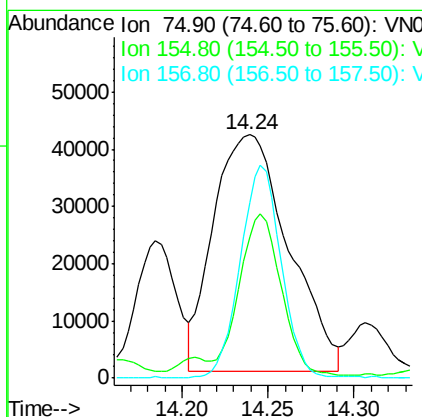
RT: 14.24 min Scan# 3877

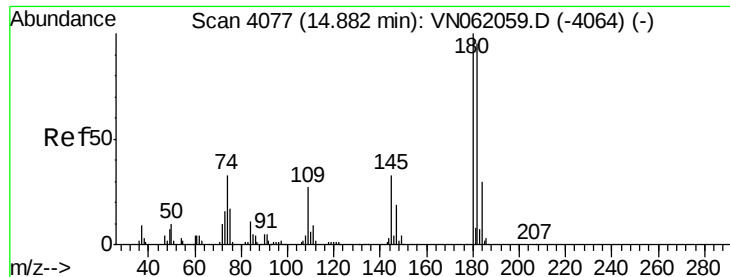
Delta R.T. -0.01 min

Lab File: VN062152.D

Acq: 26 Jun 2020 20:15

Tgt Ion:	75	Resp:	126100
Ion Ratio	Lower	Upper	
75	100		
155	37.8	40.8	122.4#
157	49.1	51.4	154.3#





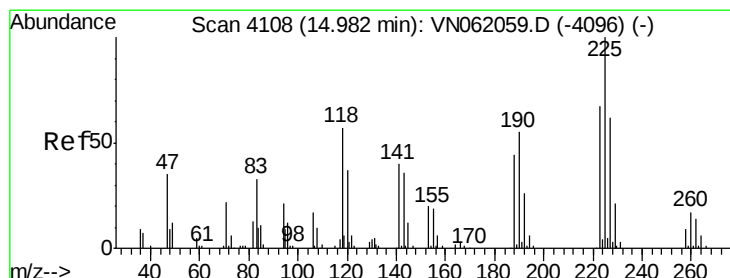
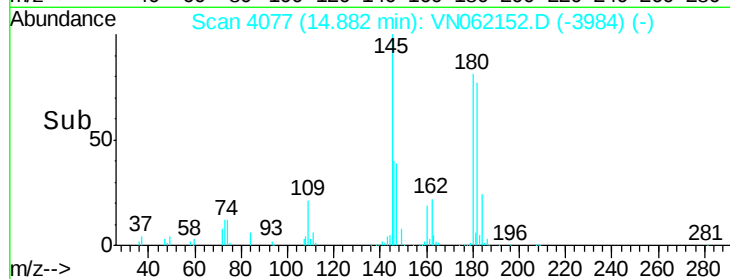
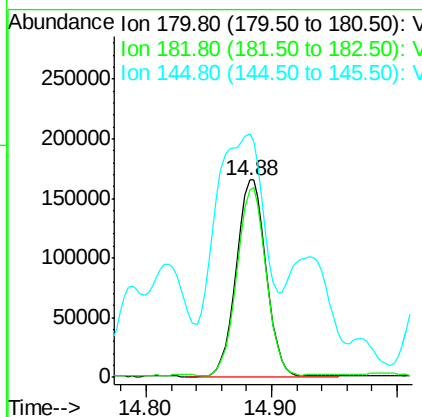
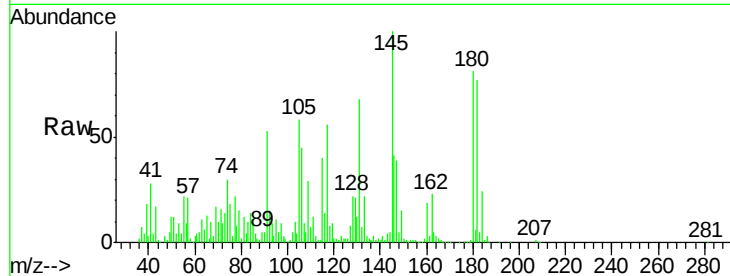
#93
 1,2,4-Trichlorobenzene
 Concen: 73.233 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.2
145	184.4	16.0	48.0#

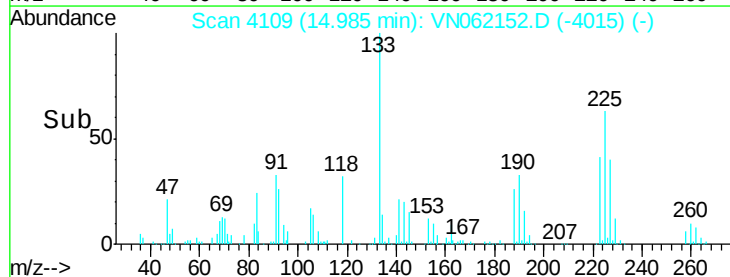
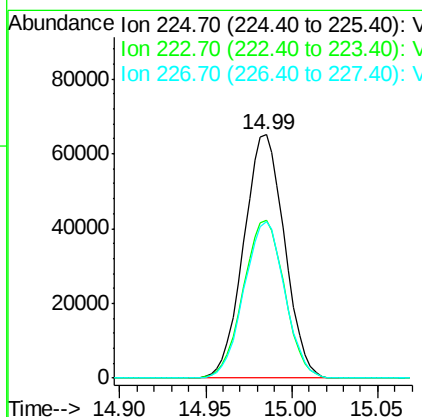
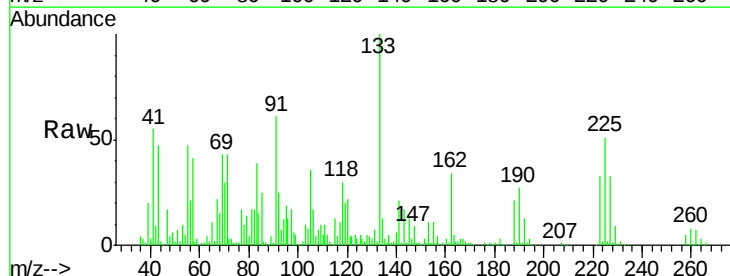
Manual Integrations
 APPROVED

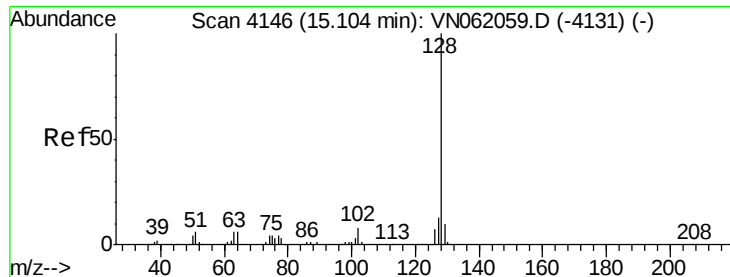
MMDadoda
 6/29/2020 12:35:44 PM



#94
 Hexachlorobutadiene
 Concen: 66.428 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062152.D
 Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.9	98.7
227	64.0	31.3	93.8





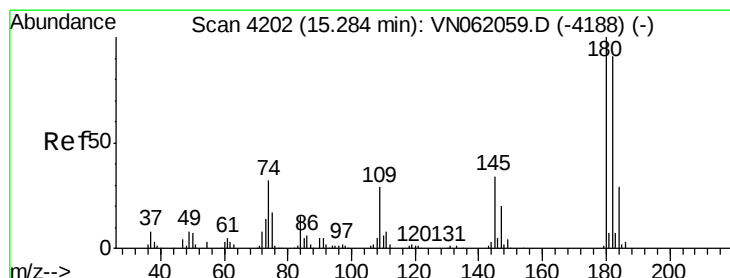
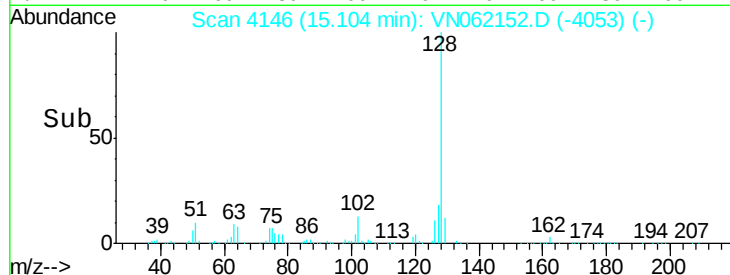
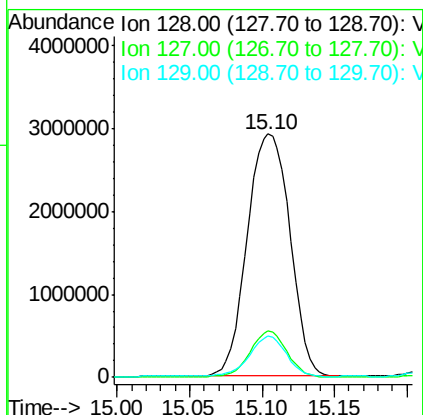
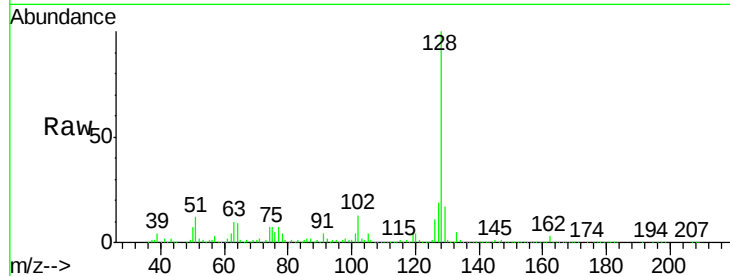
#95
Naphthalene
Concen: 448.219 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
MW-27(16.5-18.5)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.2	10.5	15.7#
129	14.3	8.6	13.0#

Manual Integrations
APPROVED

MMDadoda
6/29/2020 12:35:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 68.110 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062152.D
Acq: 26 Jun 2020 20:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.8	140.4
145	0.0	16.4	49.2#

