

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062018.D
 Acq On : 22 Jun 2020 23:56
 Operator : JC/MD
 Sample : VN0622WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 12:47:19 PM

Quant Time: Jun 23 06:43:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	159391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	283712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	265731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	112650	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	7.55	113	93280	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.06	98	357713	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.38	95	122075	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37496	18.266	ug/l	99
3) Chloromethane	2.03	50	40139	18.142	ug/l	99
4) Vinyl Chloride	2.16	62	50028	18.968	ug/l	100
5) Bromomethane	2.53	94	34047	16.810	ug/l	94
6) Chloroethane	2.67	64	33876	18.978	ug/l	98
7) Trichlorofluoromethane	2.98	101	56803	18.030	ug/l	96
8) Diethyl Ether	3.37	74	22087	20.854	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	33710	20.857	ug/l	97
10) Methyl Iodide	3.91	142	37232	22.375	ug/l	98
11) Tert butyl alcohol	4.73	59	32279	109.121	ug/l	99
12) 1,1-Dichloroethene	3.69	96	31659	19.549	ug/l	99
13) Acrolein	3.57	56	13377	75.663	ug/l	99
14) Allyl chloride	4.27	41	43964	20.454	ug/l	97
15) Acrylonitrile	4.93	53	83217	113.534	ug/l	99
16) Acetone	3.78	43	67493	106.889	ug/l	100
17) Carbon Disulfide	4.01	76	74490	15.720	ug/l	99
18) Methyl Acetate	4.28	43	39922	21.961	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	112967	20.950	ug/l	98
20) Methylene Chloride	4.50	84	40259	19.570	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	35316	18.985	ug/l	99
22) Diisopropyl ether	5.90	45	105718	21.506	ug/l	96
23) Vinyl Acetate	5.84	43	401902	103.950	ug/l	97
24) 1,1-Dichloroethane	5.80	63	68452	21.272	ug/l	98
25) 2-Butanone	6.79	43	101815	110.518	ug/l	99
26) 2,2-Dichloropropane	6.78	77	48466	17.902	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	43530	20.281	ug/l	99
28) Bromochloromethane	7.15	49	33701	23.521	ug/l	95
29) Tetrahydrofuran	7.17	42	65830	108.579	ug/l	98
30) Chloroform	7.33	83	69259	20.138	ug/l	95
31) Cyclohexane	7.62	56	50809	18.036	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	59218	20.218	ug/l	97
36) 1,1-Dichloropropene	7.75	75	48525	18.752	ug/l	98
37) Ethyl Acetate	6.88	43	43075	21.316	ug/l	97
38) Carbon Tetrachloride	7.73	117	47584	18.569	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	48564	17.429	ug/l	97
40) Benzene	8.00	78	153707	19.608	ug/l	98
41) Methacrylonitrile	7.12	41	17956	20.780	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	54112	20.245	ug/l	99
43) Isopropyl Acetate	8.13	43	71012	20.852	ug/l #	90
44) Trichloroethene	8.80	130	39592	19.191	ug/l	100
45) 1,2-Dichloropropane	9.08	63	39754	20.636	ug/l	99
46) Dibromomethane	9.17	93	26905	19.833	ug/l	97
47) Bromodichloromethane	9.37	83	56063	20.183	ug/l	99
48) Methyl methacrylate	9.17	41	31327	20.228	ug/l	99
49) 1,4-Dioxane	9.17	88	14547	409.124	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	214524	106.599	ug/l	99
52) Toluene	10.12	92	98317	19.971	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	56483	19.154	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	63311	19.767	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	40326	20.819	ug/l	99
56) Ethyl methacrylate	10.40	69	51276	19.227	ug/l	96
57) 1,3-Dichloropropane	10.68	76	67228	20.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	95243	93.168	ug/l	98
59) 2-Hexanone	10.72	43	150859	102.207	ug/l	100
60) Dibromochloromethane	10.87	129	43154	19.966	ug/l	100
61) 1,2-Dibromoethane	10.98	107	40139	19.845	ug/l	99
64) Tetrachloroethene	10.60	164	33076	19.529	ug/l	98
65) Chlorobenzene	11.41	112	108841	19.411	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	39284	20.088	ug/l	99
67) Ethyl Benzene	11.48	91	181418	19.297	ug/l	100
68) m/p-Xylenes	11.59	106	139792	38.562	ug/l	99
69) o-Xylene	11.92	106	68481	19.799	ug/l	99
70) Styrene	11.94	104	113375	19.576	ug/l	100
71) Bromoform	12.10	173	27543	19.316	ug/l #	98
73) Isopropylbenzene	12.22	105	177755	20.758	ug/l	100
74) N-amyl acetate	12.05	43	56235	20.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	58828	21.130	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	48761m	20.611	ug/l	
77) Bromobenzene	12.50	156	43325	20.054	ug/l	96
78) n-propylbenzene	12.57	91	198284	20.293	ug/l	100
79) 2-Chlorotoluene	12.65	91	121013	20.621	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	146983	20.747	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	16638	19.181	ug/l	97
82) 4-Chlorotoluene	12.75	91	123507	20.368	ug/l	98
83) tert-Butylbenzene	12.97	119	125147	20.837	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	144110	20.607	ug/l	99
85) sec-Butylbenzene	13.15	105	162595	20.683	ug/l	100
86) p-Isopropyltoluene	13.26	119	142770	20.381	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	75819	19.242	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	76131	18.876	ug/l	97
89) n-Butylbenzene	13.59	91	110603	18.906	ug/l	98
90) Hexachloroethane	13.85	117	26615	20.756	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	75650	19.943	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9403	20.804	ug/l	94

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ClientSampleId :
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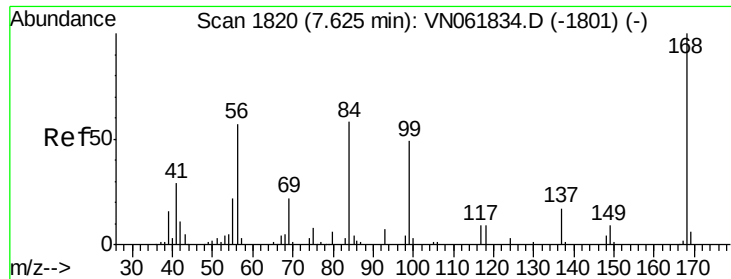
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	31435	17.562	ug/l	98
94) Hexachlorobutadiene	14.98	225	14179	20.112	ug/l	99
95) Naphthalene	15.10	128	93993	18.071	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	32940	18.582	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD02

Tot Ion:168 Resp: 159391

Ion Ratio Lower Upper

168 100

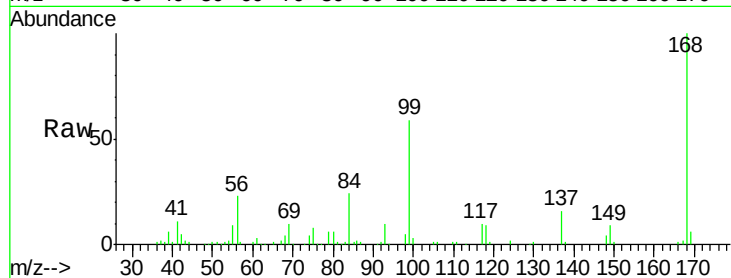
99 58.4 44.6 67.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

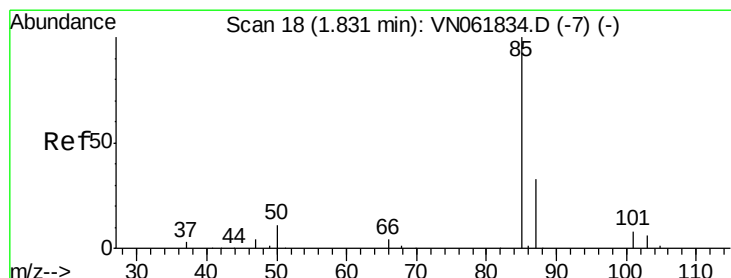
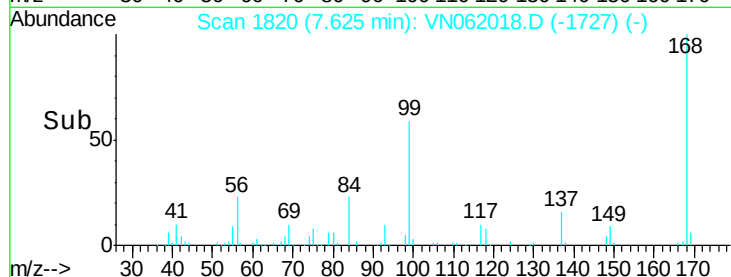
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.266 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062018.D

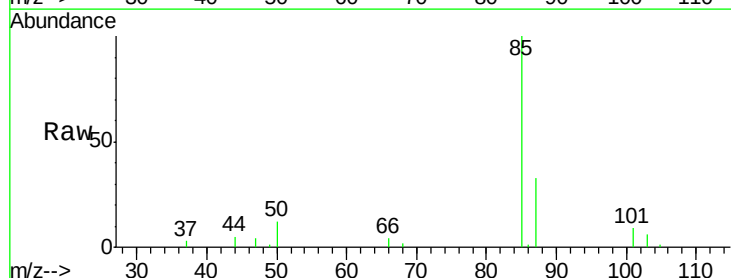
Acq: 22 Jun 2020 23:56

Tgt Ion: 85 Resp: 37496

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

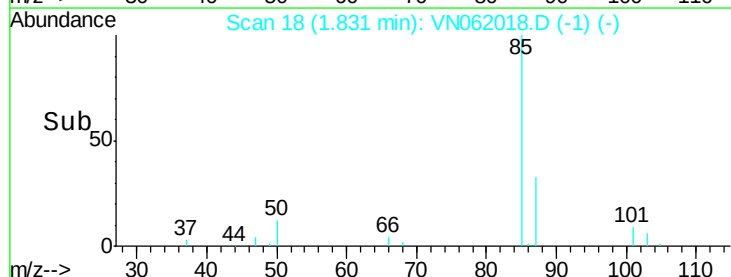
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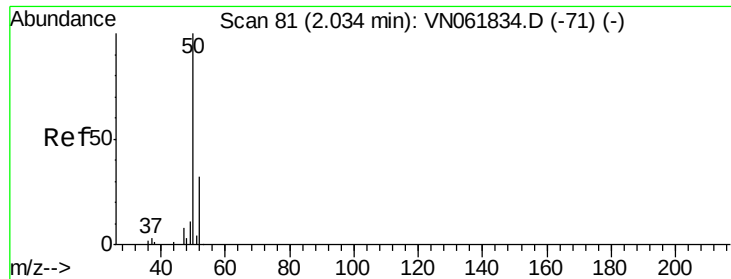
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.142 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD02

Tot Ion: 50 Resp: 40139

Ion Ratio Lower Upper

50 100

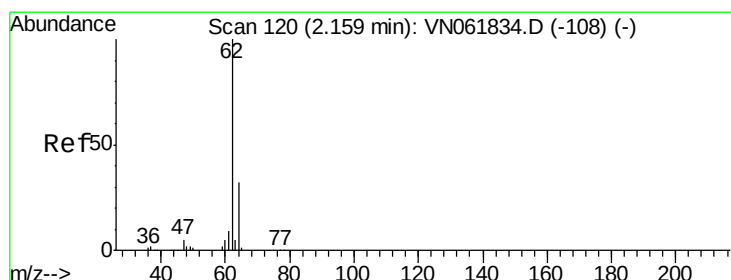
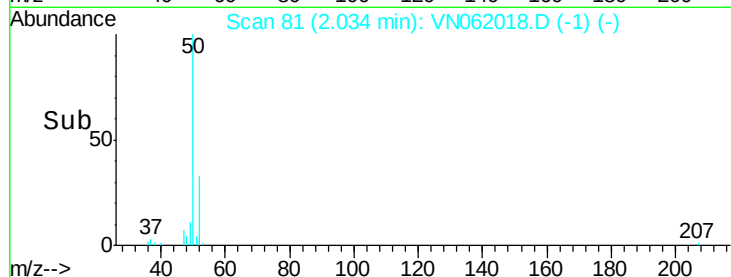
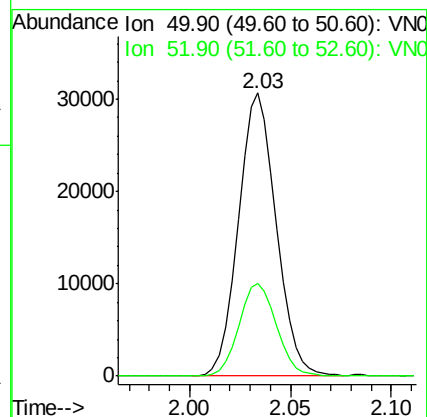
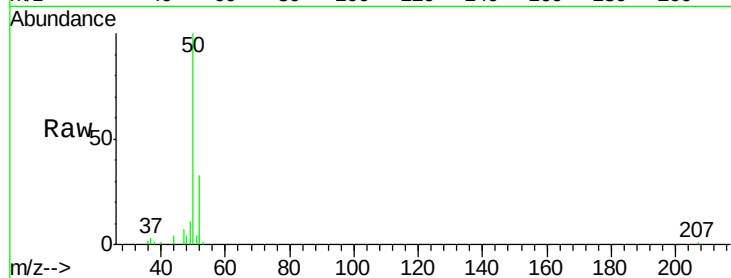
52 32.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 18.968 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062018.D

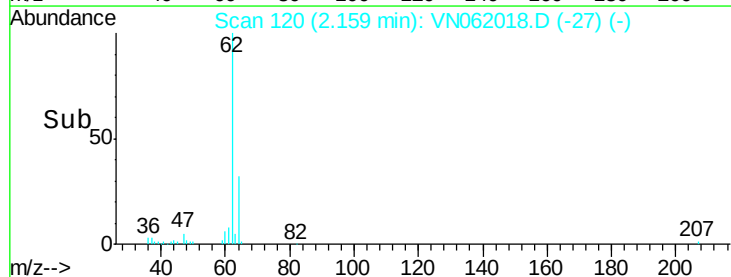
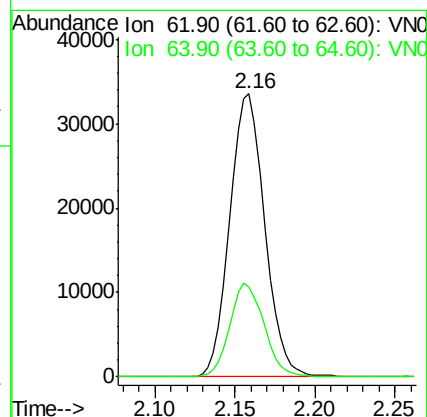
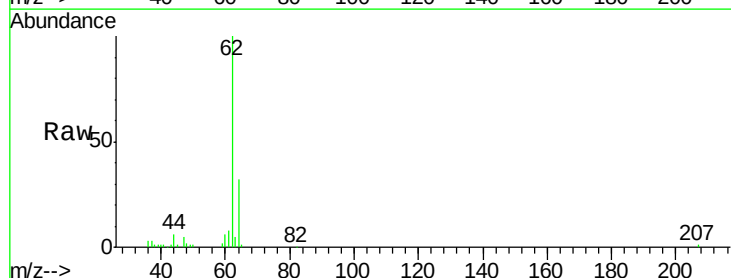
Acq: 22 Jun 2020 23:56

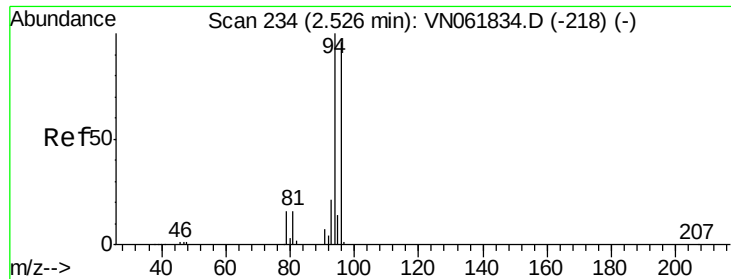
Tgt Ion: 62 Resp: 50028

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 16.810 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD02

Tot Ion: 94 Resp: 34047

Ion Ratio Lower Upper

94 100

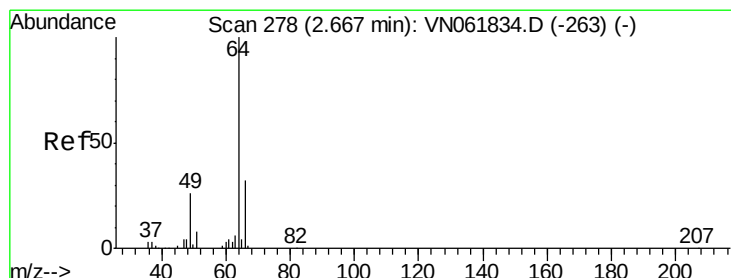
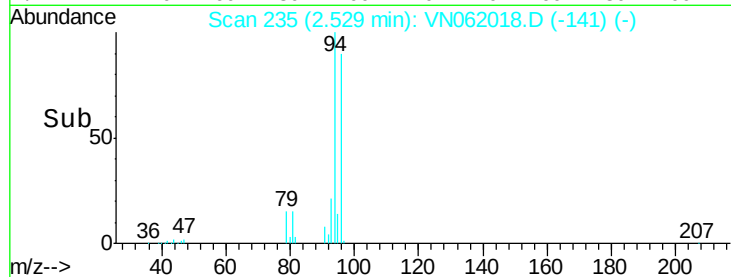
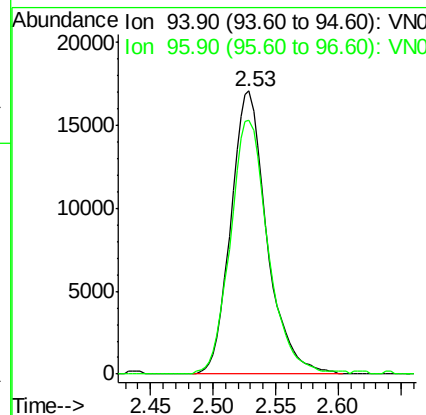
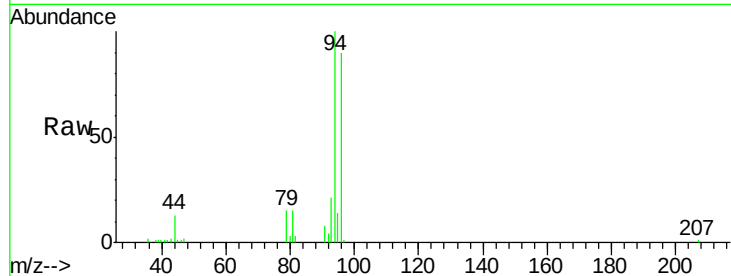
96 89.8 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 18.978 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN062018.D

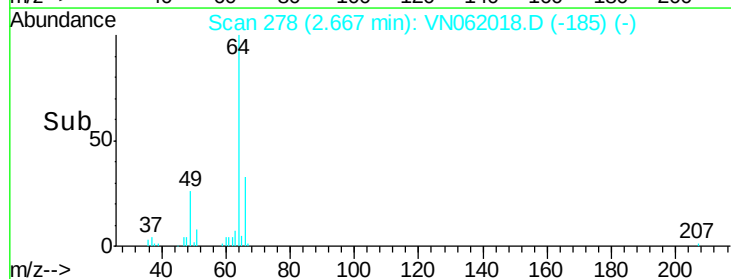
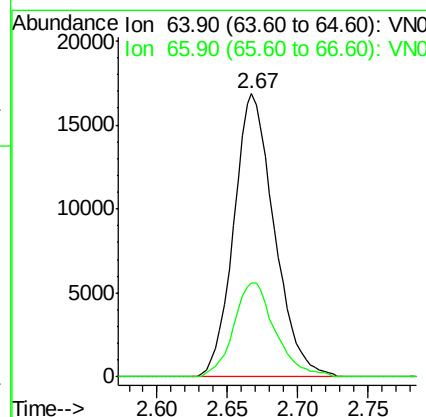
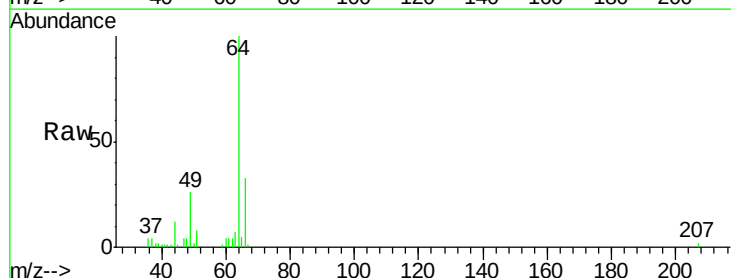
Acq: 22 Jun 2020 23:56

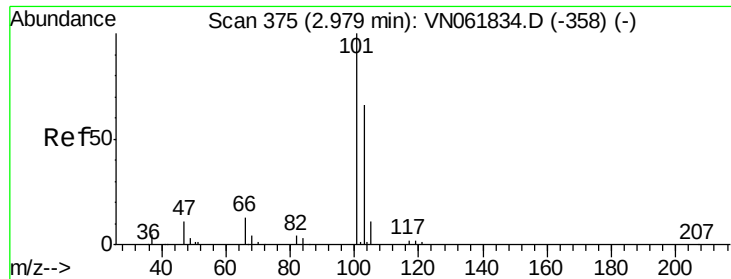
Tgt Ion: 64 Resp: 33876

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.2





#7

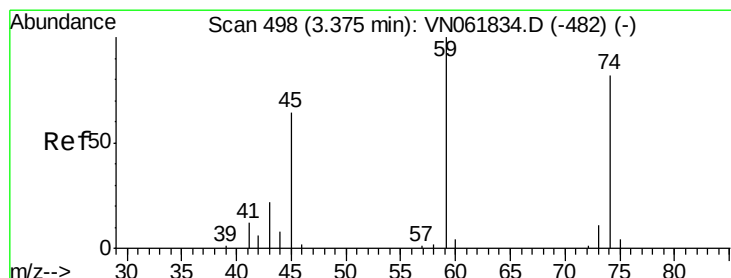
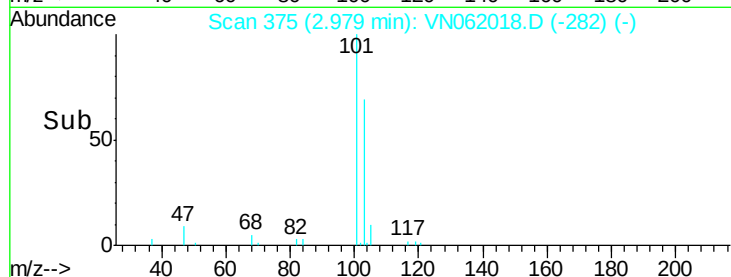
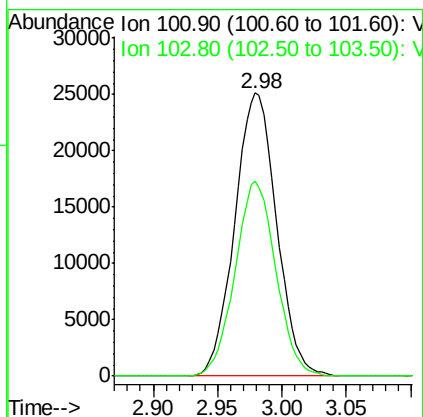
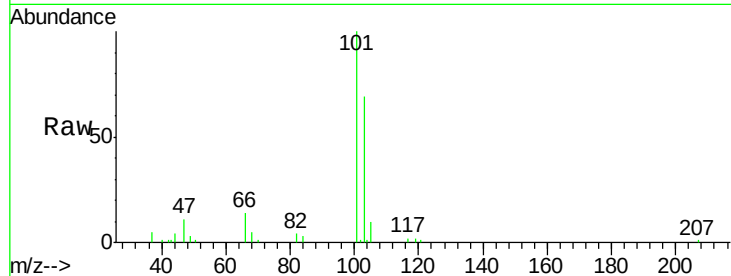
Trichlorofluoromethane
Concen: 18.030 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

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VN0622WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		56803		
103	69.1	52.8	79.2		

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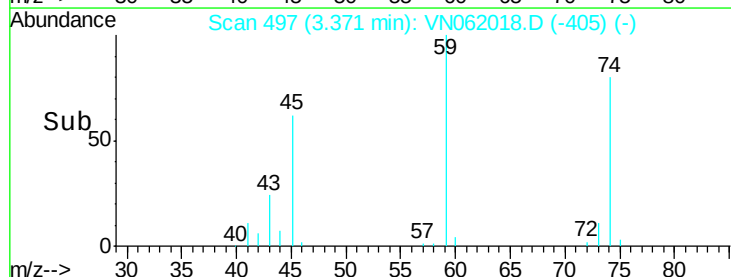
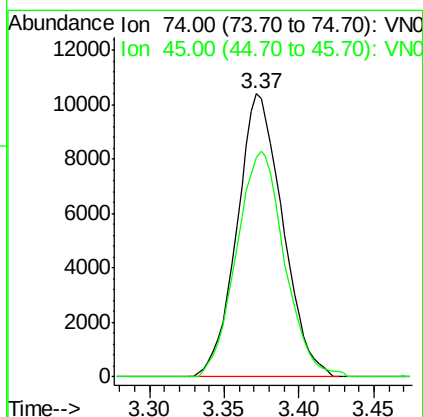
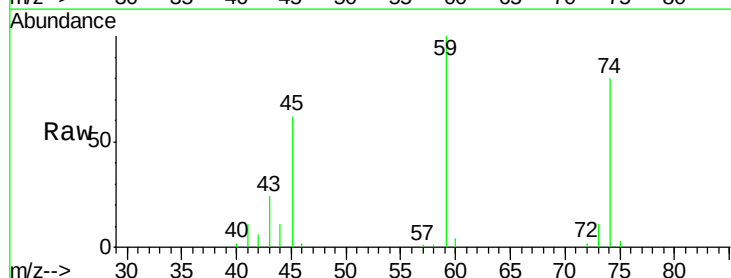
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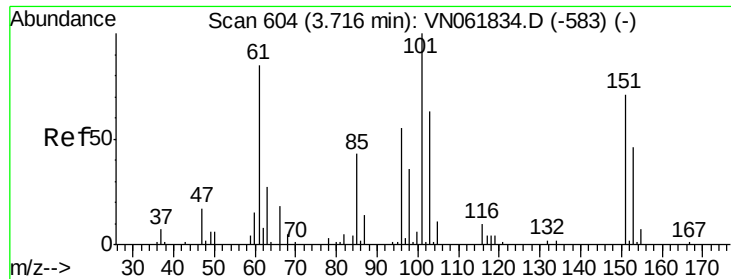


#8

Diethyl Ether
Concen: 20.854 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22087		
45	83.7	39.1	117.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.857 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

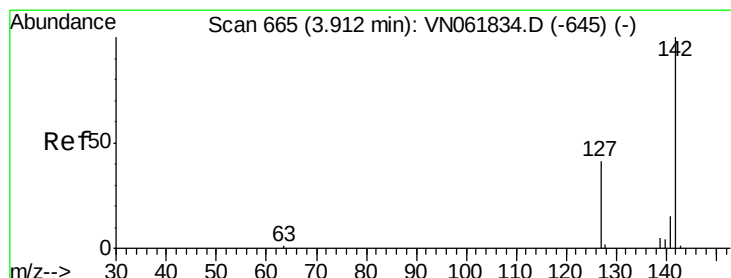
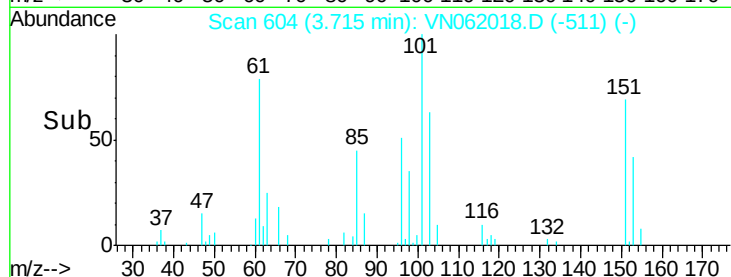
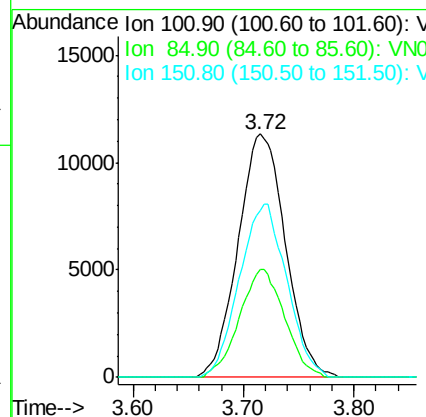
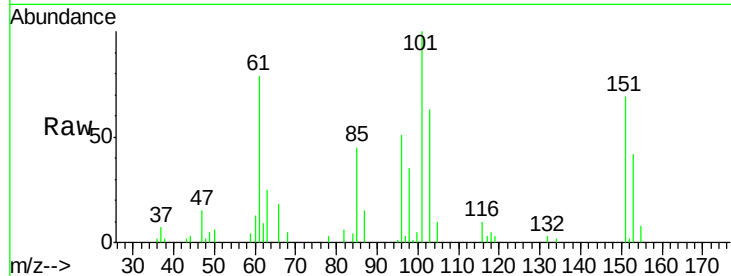
ClientSampleId :

VN0622WBSD02

Tot Ion:	101	Resp:	33710
Ion Ratio	Lower	Upper	
101	100		
85	42.4	35.0	52.6
151	71.1	59.2	88.8

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#10

Methyl Iodide

Concen: 22.375 ug/l

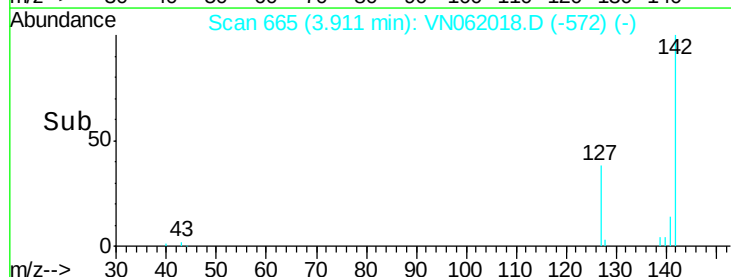
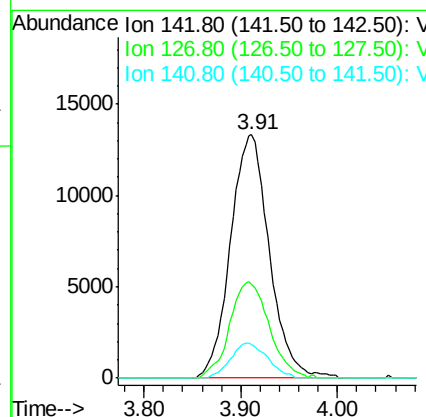
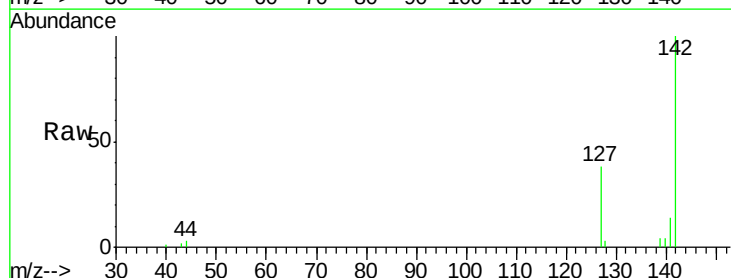
RT: 3.91 min Scan# 665

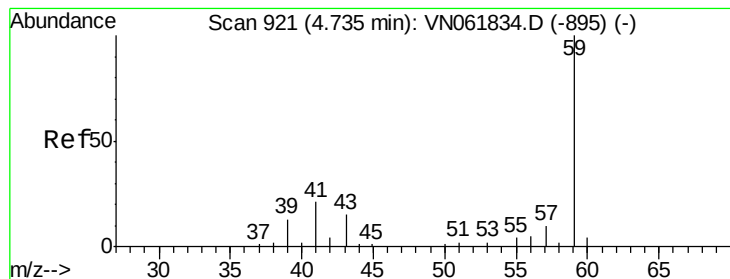
Delta R.T. 0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	142	Resp:	37232
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.4	50.0
141	13.7	11.3	16.9





#11

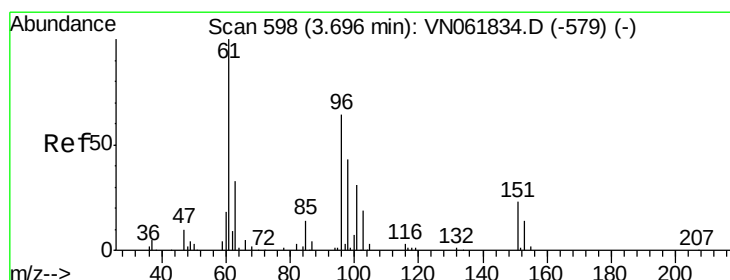
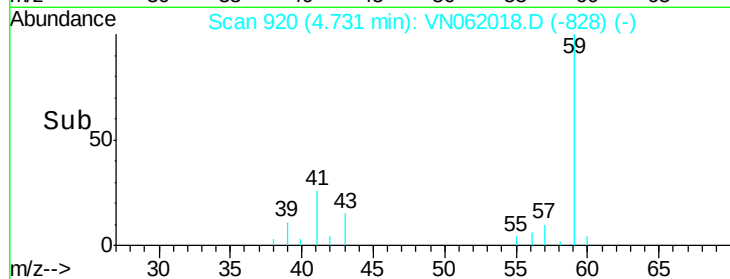
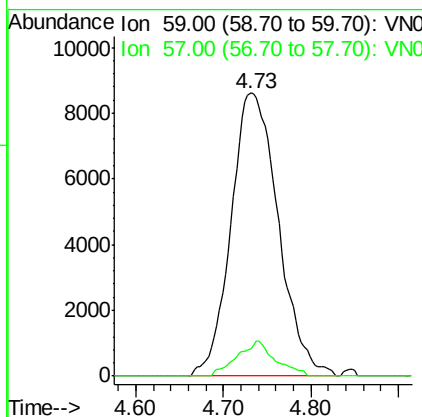
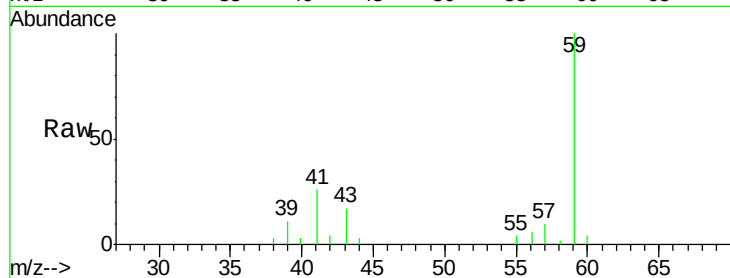
Tert butyl alcohol
 Concen: 109.121 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.7	11.5

Manual Integrations
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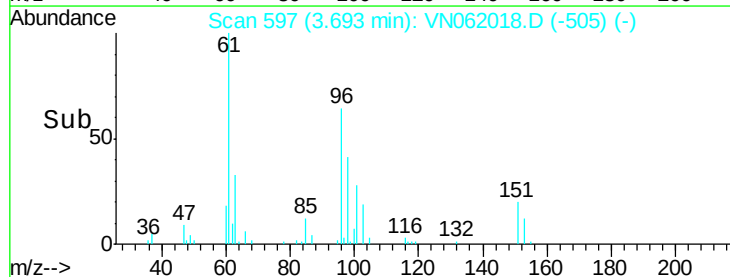
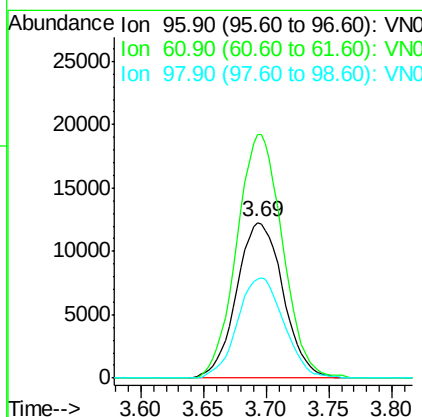
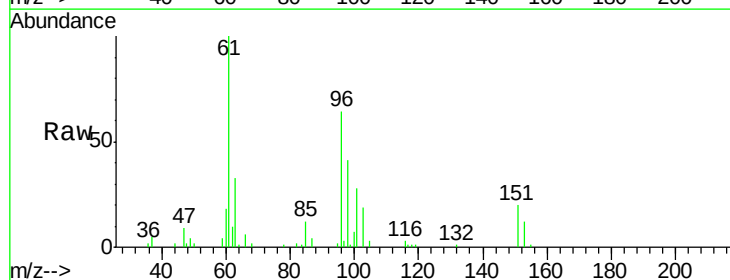
MMDadoda
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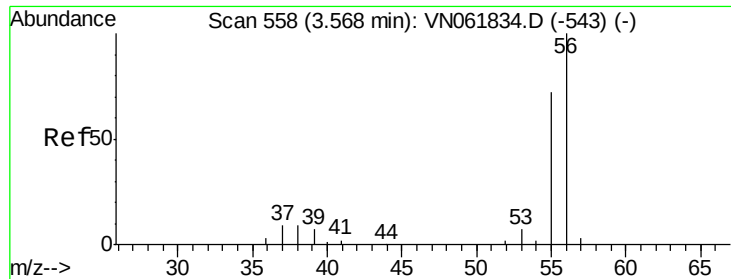


#12

1,1-Dichloroethene
 Concen: 19.549 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	124.3	186.5
98	63.8	53.1	79.7





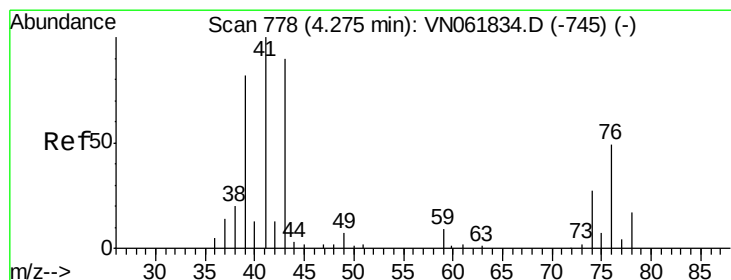
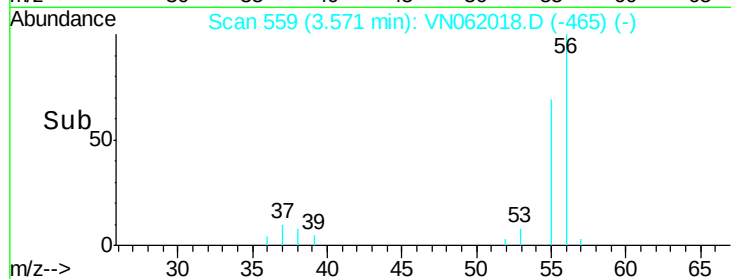
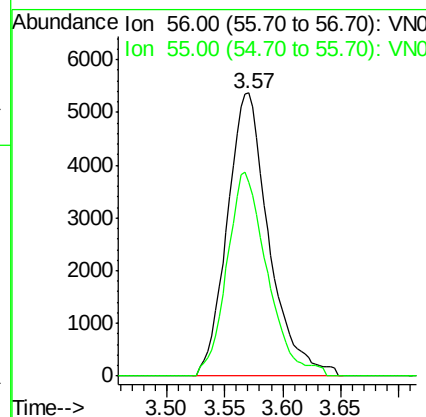
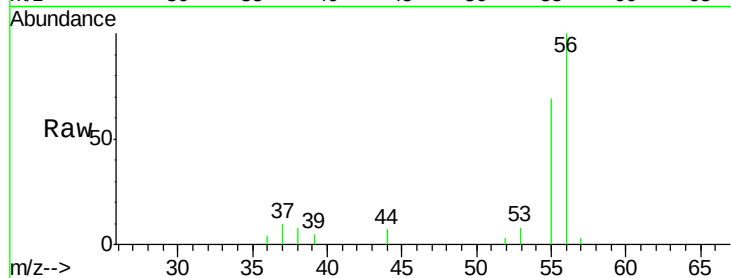
#13
 Acrolein
 Concen: 75.663 ug/l
 RT: 3.57 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.7	56.2	84.4	

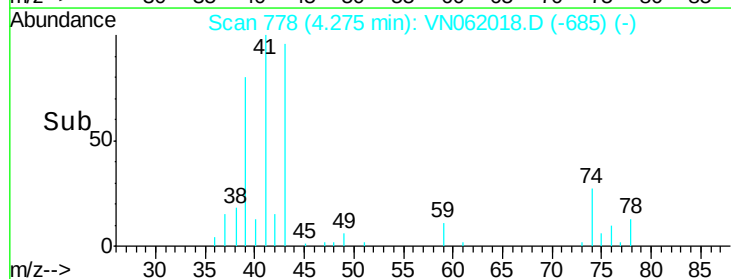
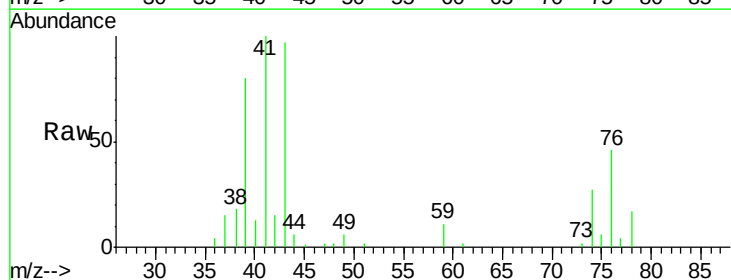
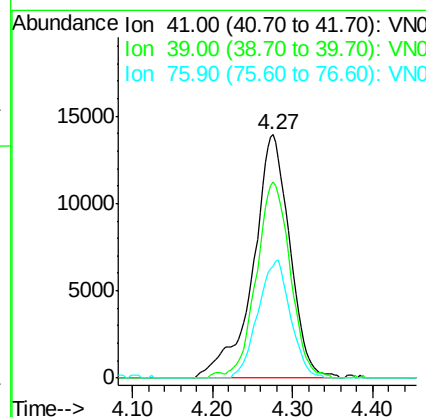
Manual Integrations
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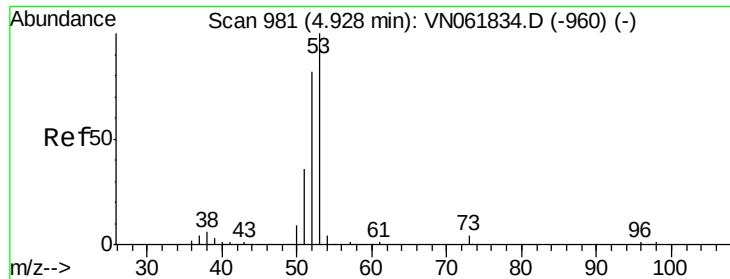
MMDadoda
 6/23/2020 12:47:19 PM



#14
 Allyl chloride
 Concen: 20.454 ug/l
 RT: 4.27 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.9	60.2	90.2	
76	42.7	36.3	54.5	





#15

Acrylonitrile

Concen: 113.534 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

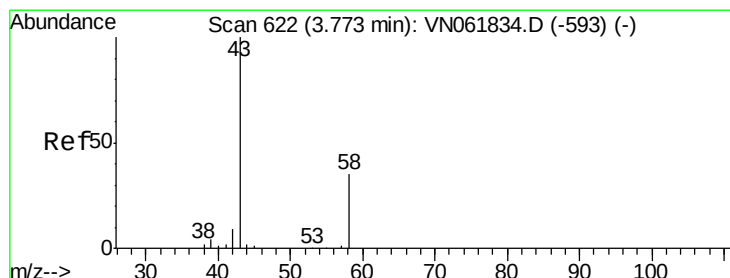
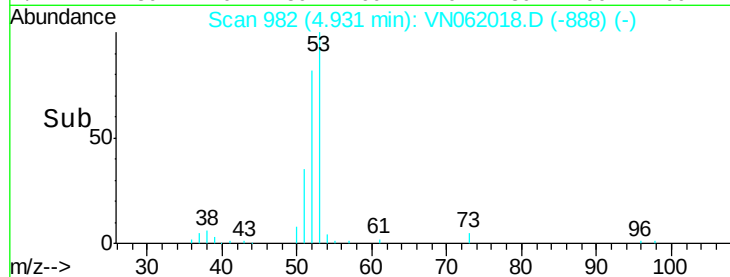
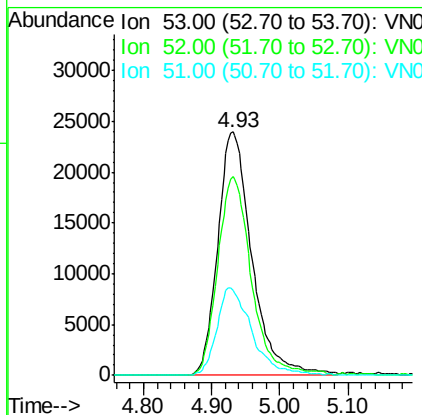
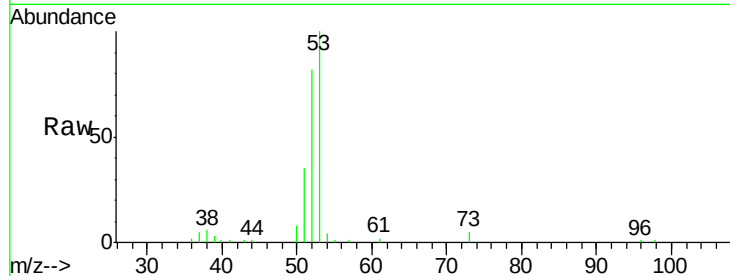
ClientSampleId :

VN0622WBSD02

Tot Ion:	53	Resp:	83217
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.2	97.8
51	37.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 106.889 ug/l

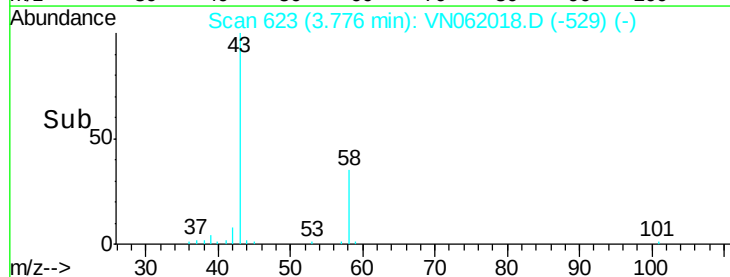
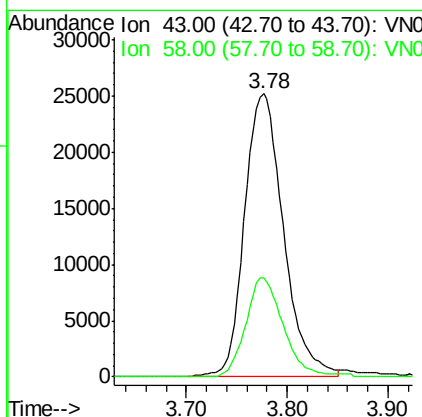
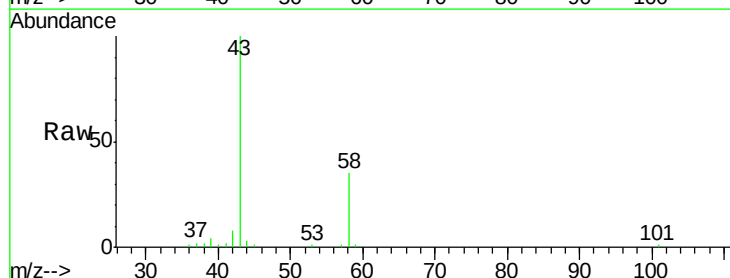
RT: 3.78 min Scan# 623

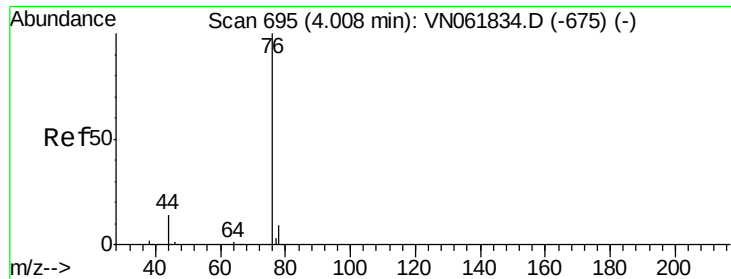
Delta R.T. 0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	43	Resp:	67493
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.8





#17

Carbon Disulfide

Concen: 15.720 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD02

Tot Ion: 76 Resp: 74490

Ion Ratio Lower Upper

76 100

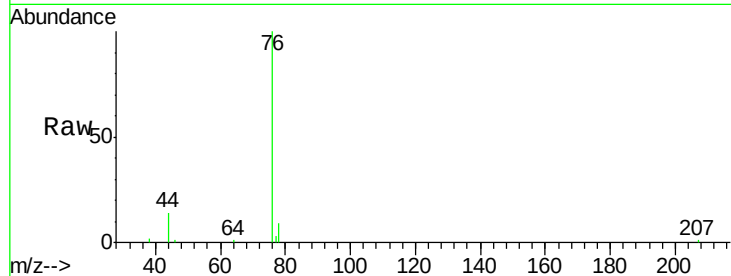
78 8.8 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062018.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN062018.D (-675) (-)

30000

25000

20000

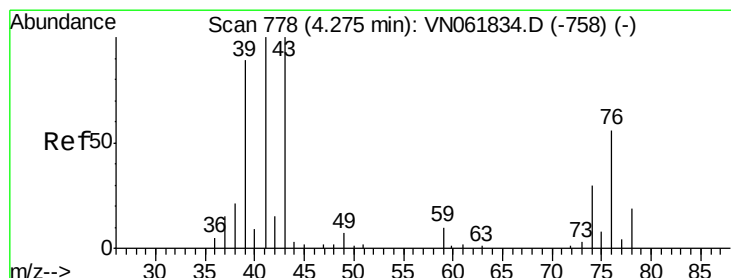
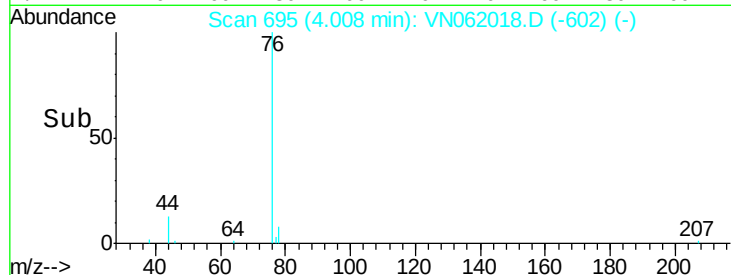
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 21.961 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062018.D

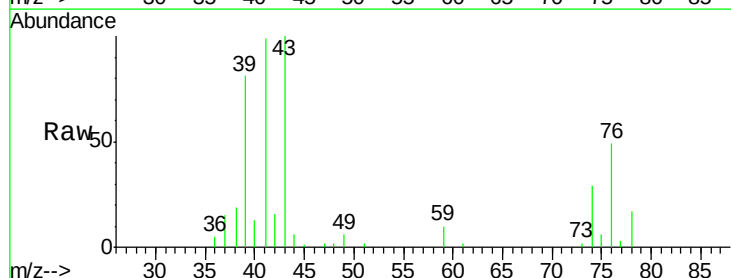
Acq: 22 Jun 2020 23:56

Tgt Ion: 43 Resp: 39922

Ion Ratio Lower Upper

43 100

74 28.8 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN062018.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062018.D (-685) (-)

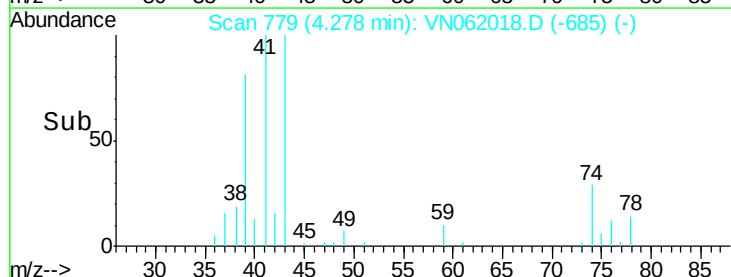
15000

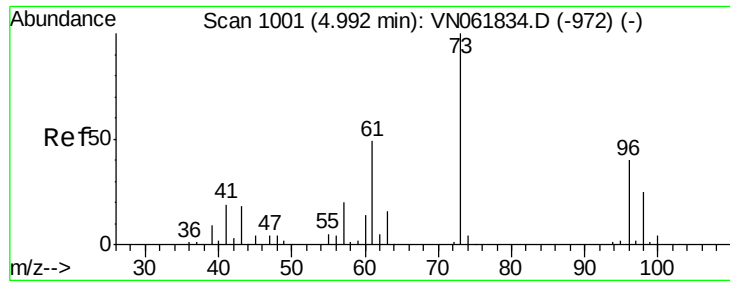
10000

5000

0

Time-->





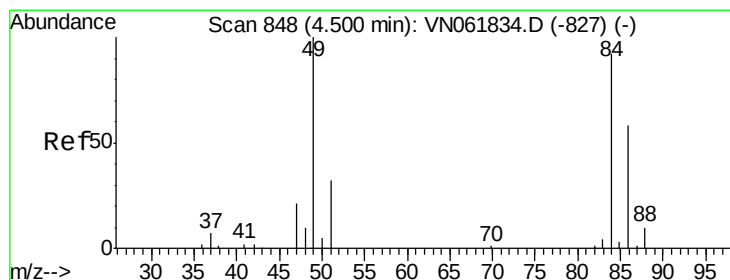
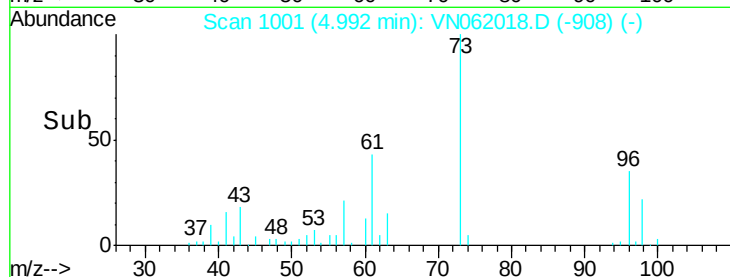
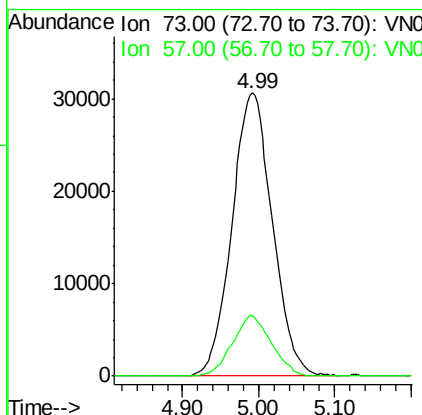
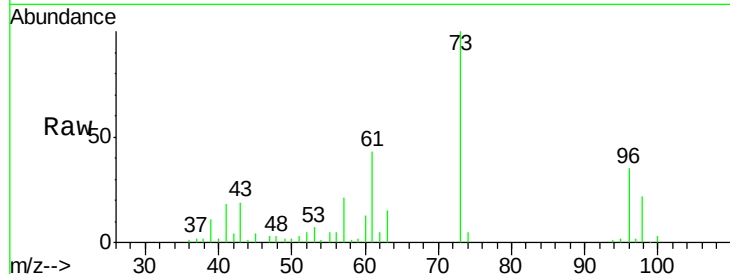
#19
Methyl tert-butyl Ether
Concen: 20.950 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion: 73 Resp: 112967
Ion Ratio Lower Upper
73 100
57 21.4 16.2 24.4

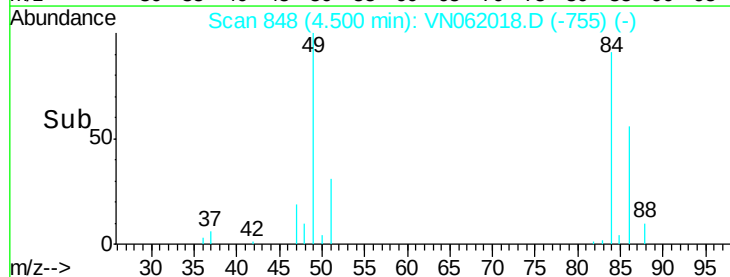
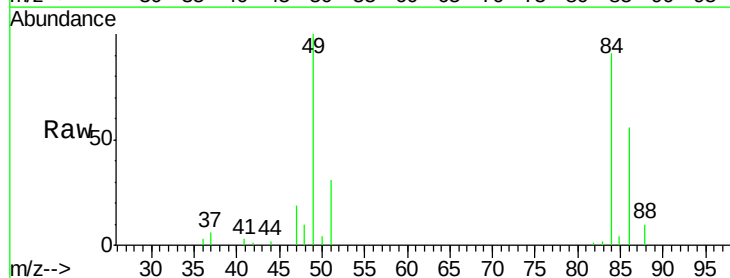
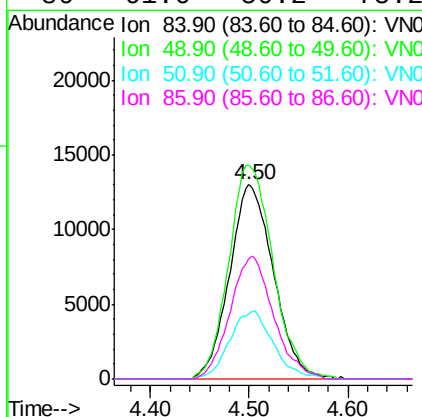
Manual Integrations
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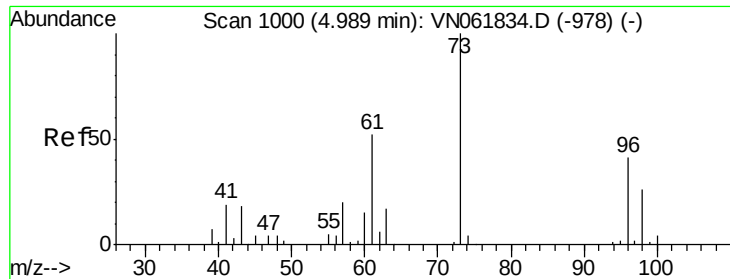
MMDadoda
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#20
Methylene Chloride
Concen: 19.570 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion: 84 Resp: 40259
Ion Ratio Lower Upper
84 100
49 109.8 87.0 130.4
51 33.5 27.8 41.6
86 61.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.985 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

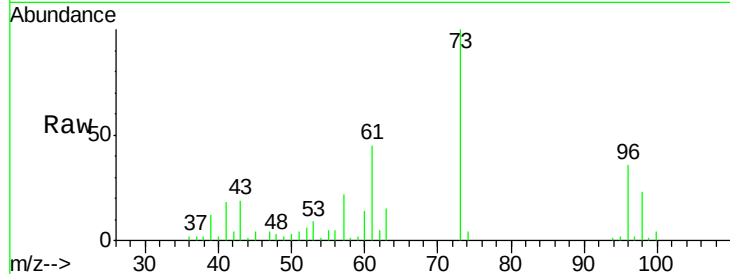
ClientSampleId :

VN0622WBSD02

Tot Ion:	96	Resp:	35316
Ion	Ratio	Lower	Upper
96	100		
61	126.7	102.2	153.4
98	62.9	51.2	76.8

Manual Integrations
APPROVED

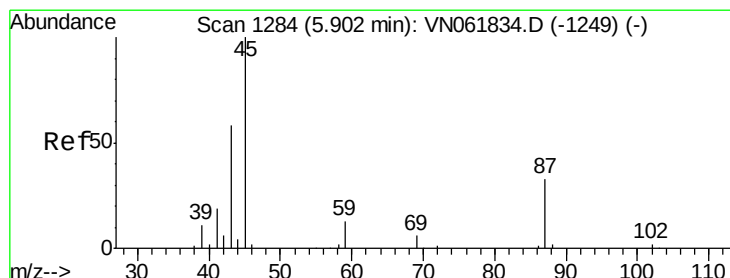
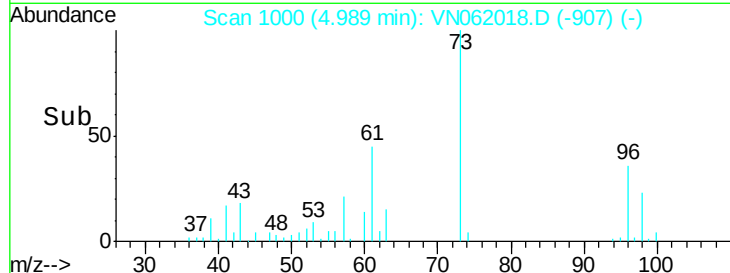
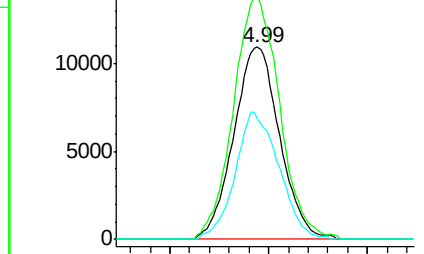
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VN062018.D (-907) (-)

Ion 60.90 (60.60 to 61.60): VN062018.D (-907) (-)

Ion 97.90 (97.60 to 98.60): VN062018.D (-907) (-)



#22

Diisopropyl ether

Concen: 21.506 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

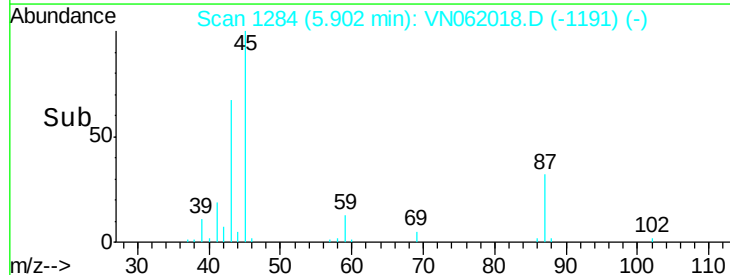
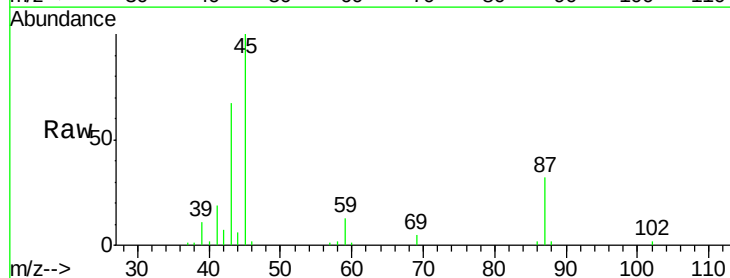
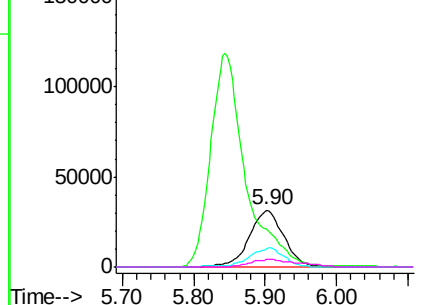
Tgt Ion:	45	Resp:	105718
Ion	Ratio	Lower	Upper
45	100		
43	65.4	49.4	74.2
87	31.8	27.4	41.0
59	12.2	10.6	15.8

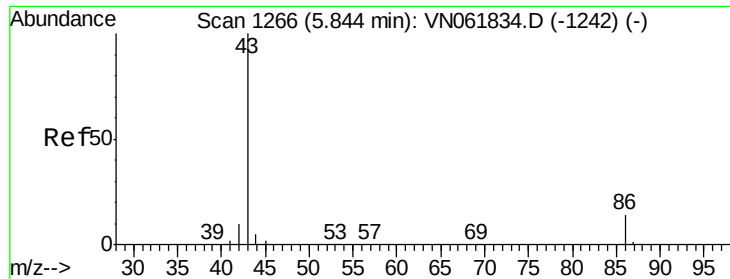
Abundance Ion 45.00 (44.70 to 45.70): VN062018.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062018.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062018.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062018.D (-1191) (-)





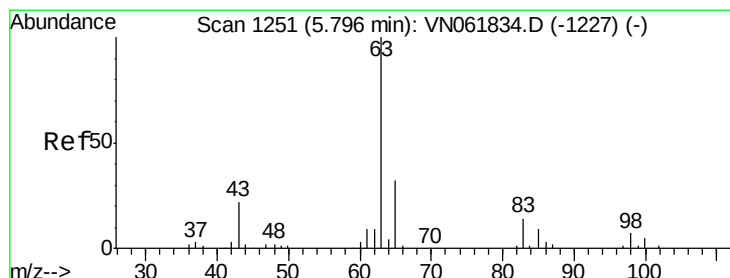
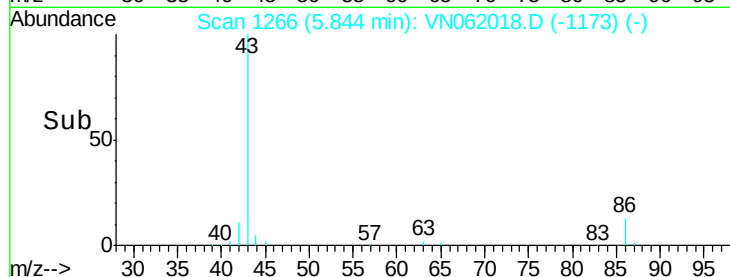
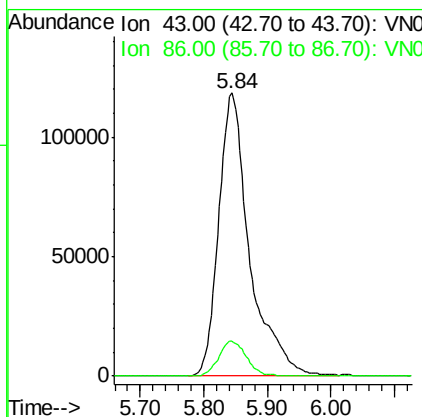
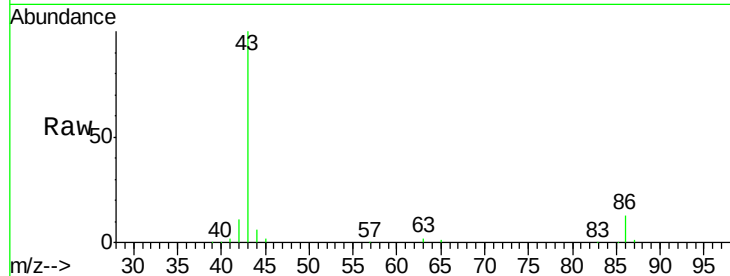
#23
 Vinyl Acetate
 Concen: 103.950 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion: 43 Resp: 401902
 Ion Ratio Lower Upper
 43 100
 86 12.5 10.9 16.3

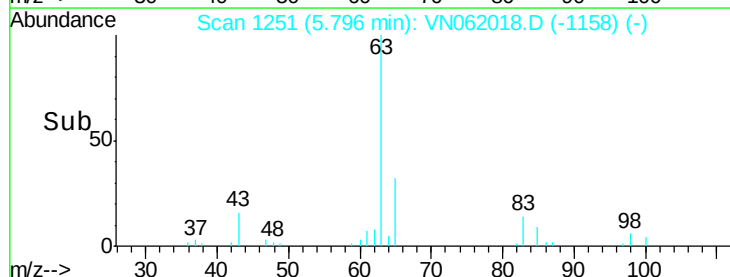
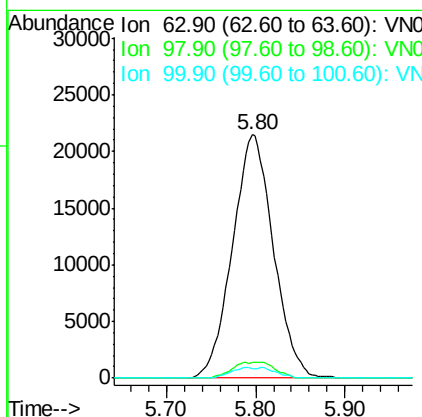
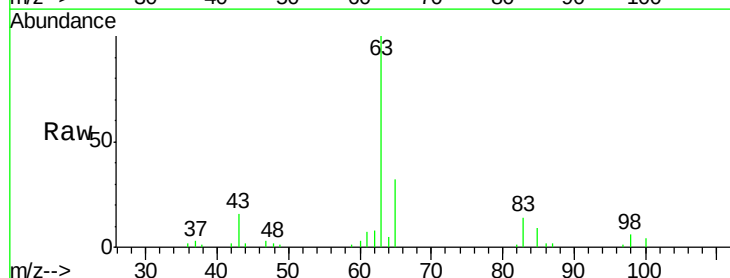
Manual Integrations
 APPROVED

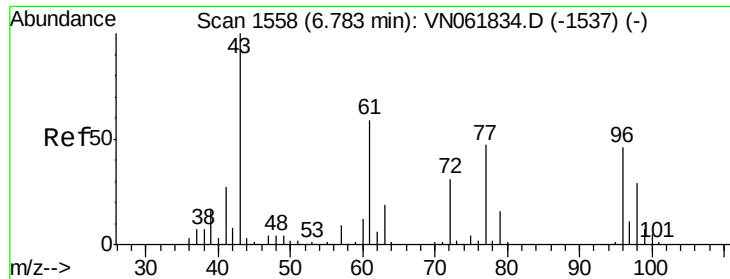
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.272 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion: 63 Resp: 68452
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.5 10.4
 100 3.9 2.5 7.4





#25

2-Butanone

Concen: 110.518 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD02

Tot Ion: 43 Resp: 101815

Ion Ratio Lower Upper

43 100

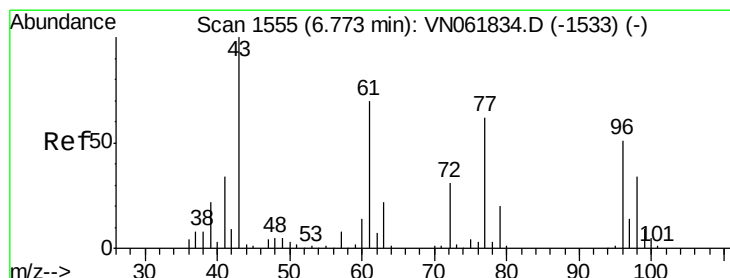
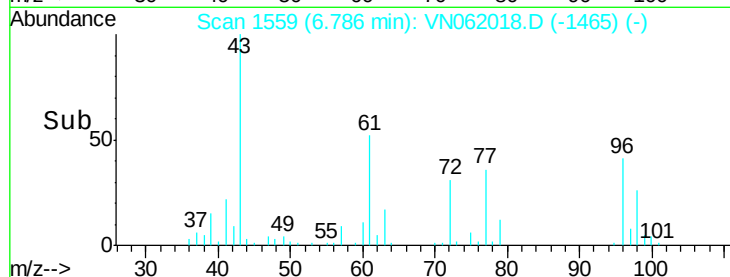
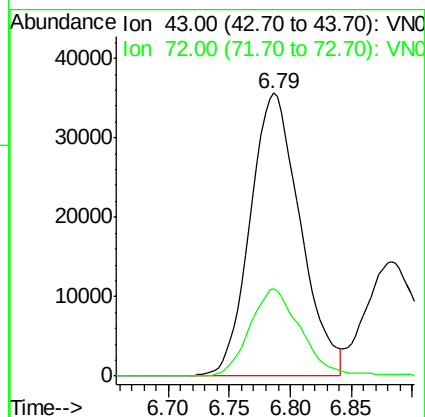
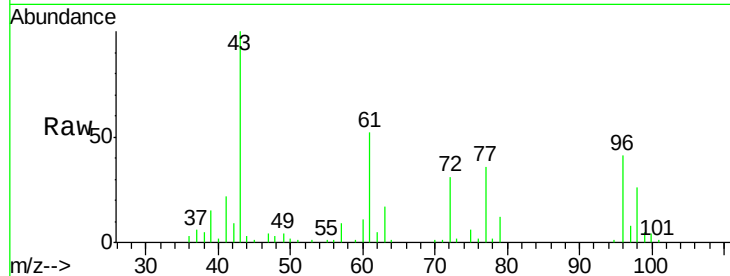
72 31.1 24.6 37.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.902 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062018.D

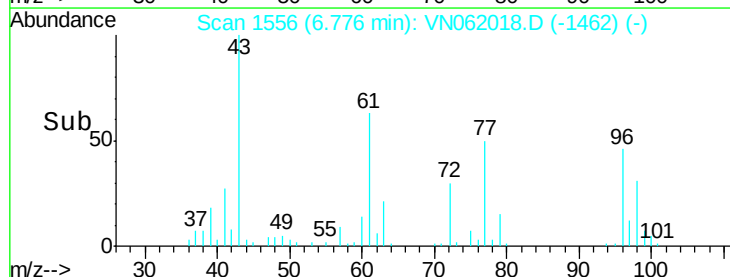
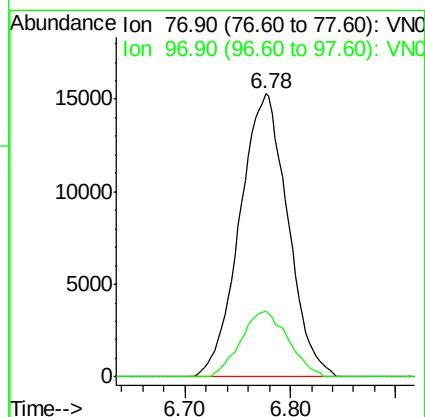
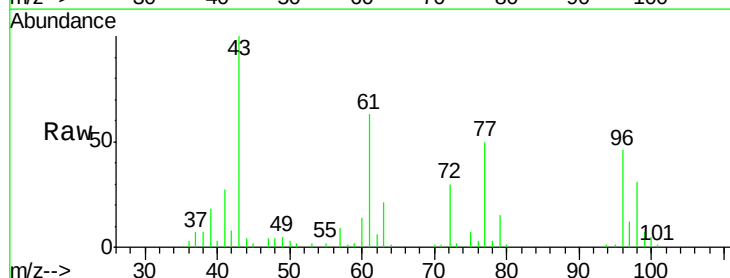
Acq: 22 Jun 2020 23:56

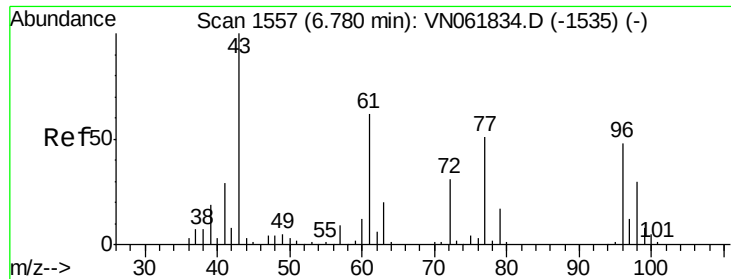
Tgt Ion: 77 Resp: 48466

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 20.281 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

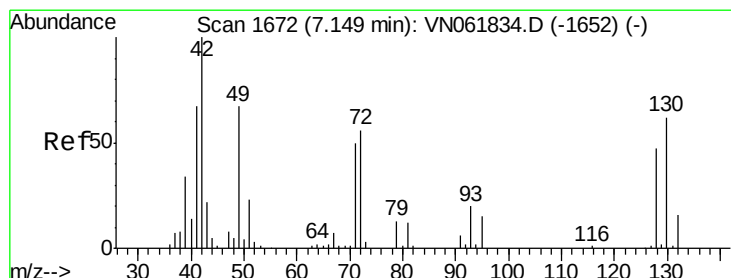
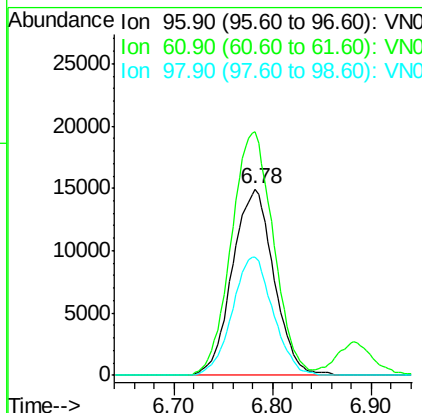
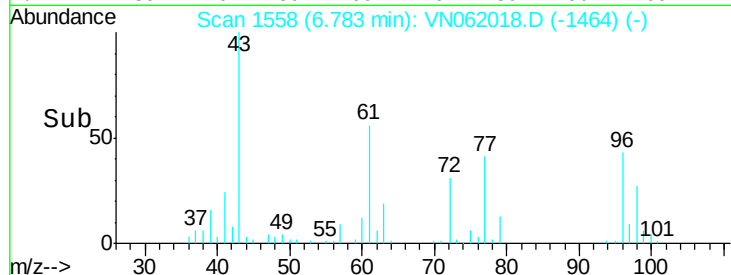
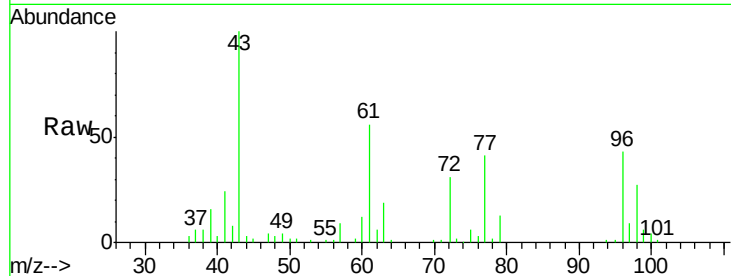
ClientSampled :

VN0622WBSD02

Tot Ion:	96	Resp:	43530
Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	265.6
98	62.5	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 23.521 ug/l

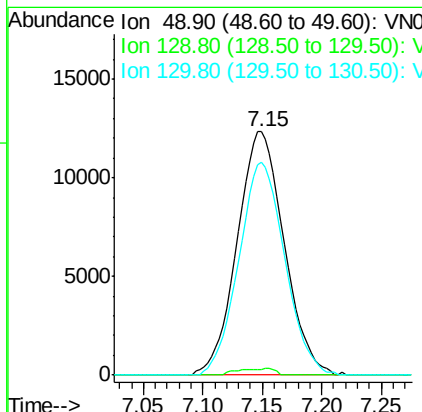
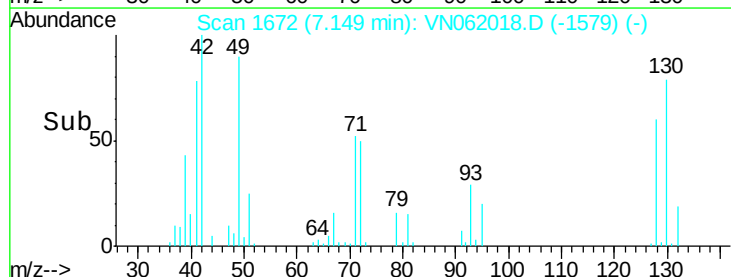
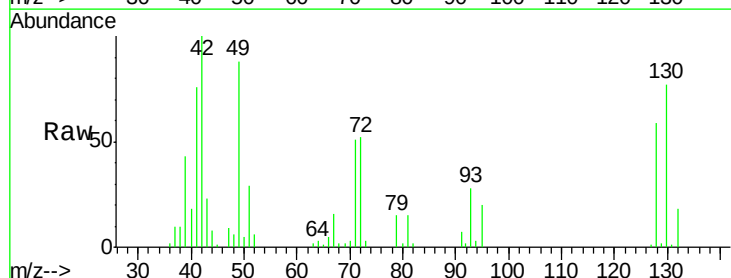
RT: 7.15 min Scan# 1672

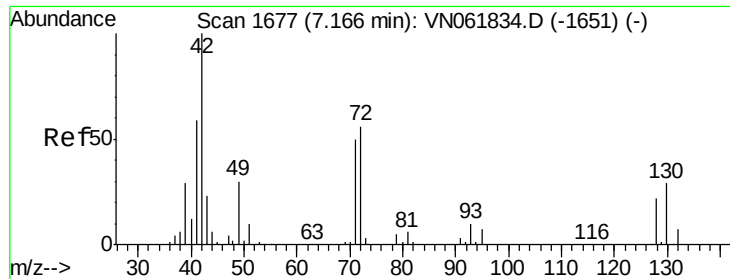
Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	49	Resp:	33701
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	85.6	72.2	108.2





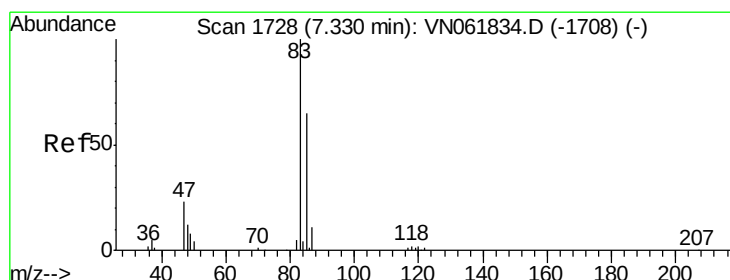
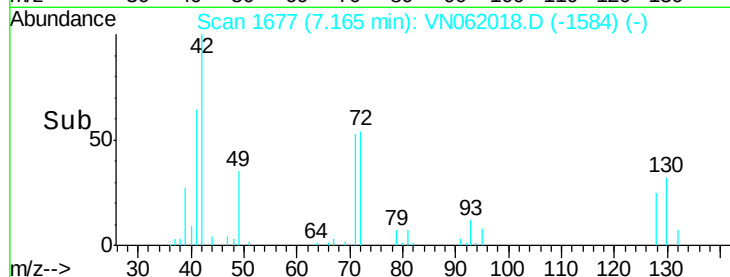
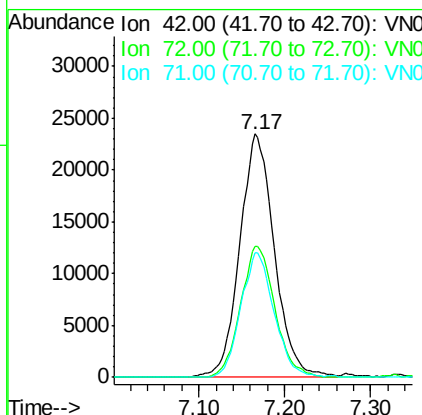
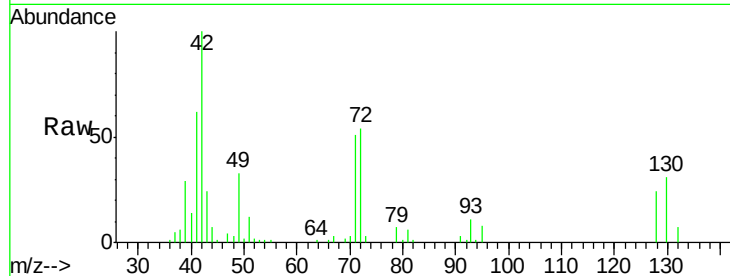
#29
Tetrahydrofuran
Concen: 108.579 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.3	44.0	66.0
71	49.2	40.0	60.0

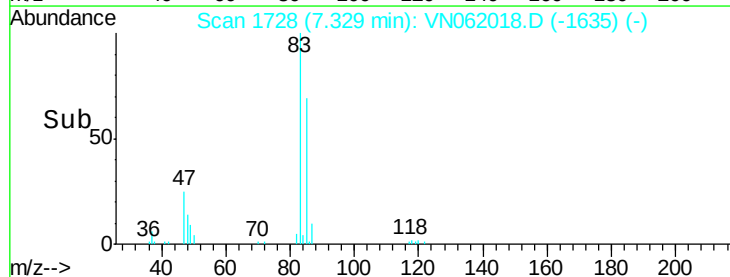
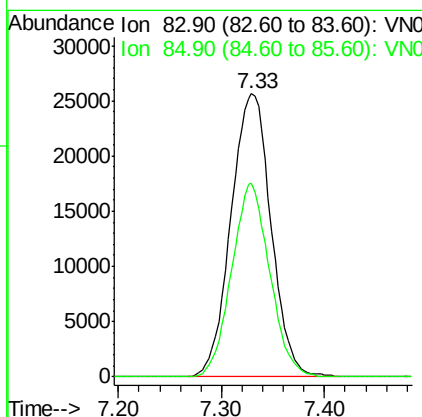
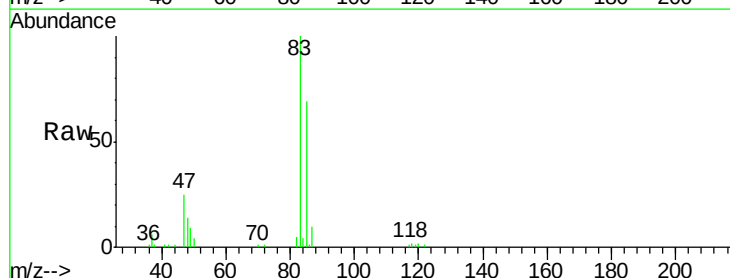
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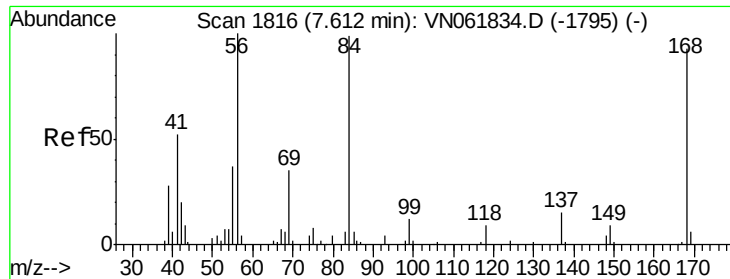
MMDadoda
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#30
Chloroform
Concen: 20.138 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.0	78.0





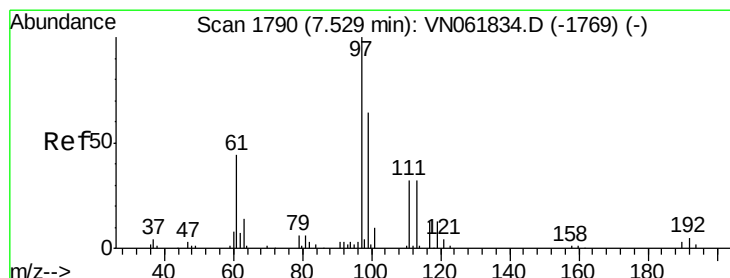
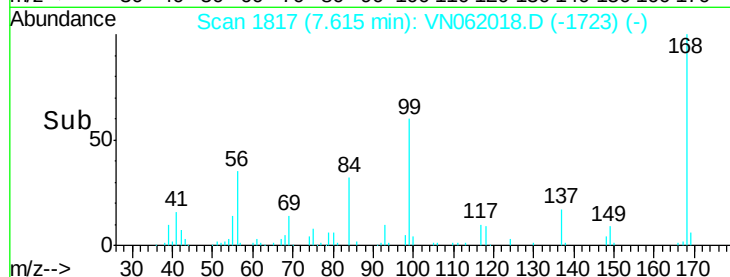
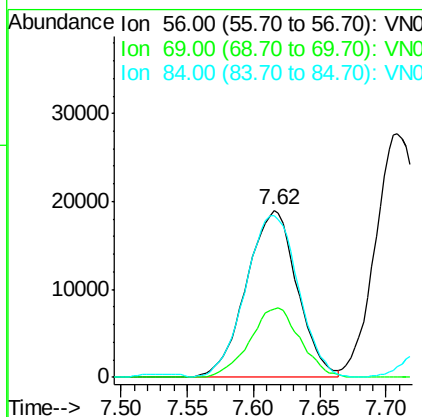
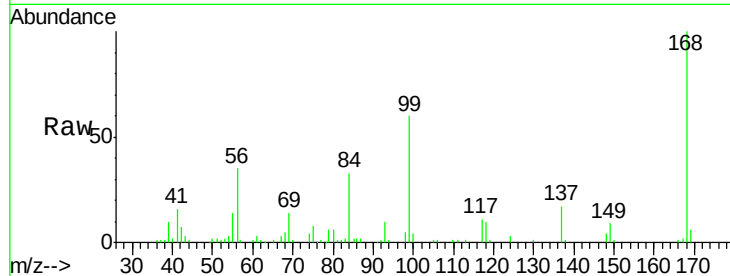
#31
Cyclohexane
Concen: 18.036 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	27.7	41.5
84	96.7	79.1	118.7

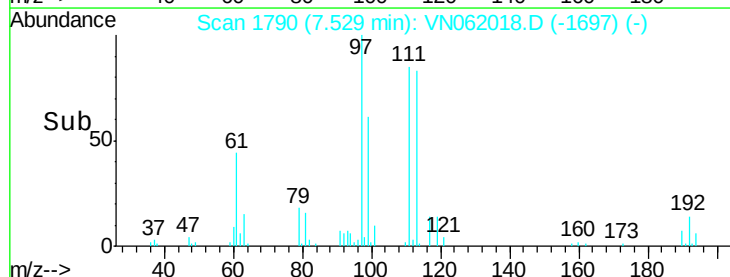
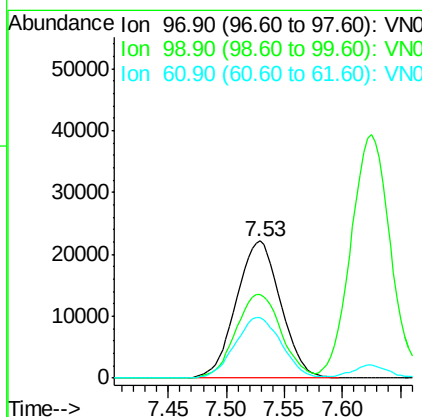
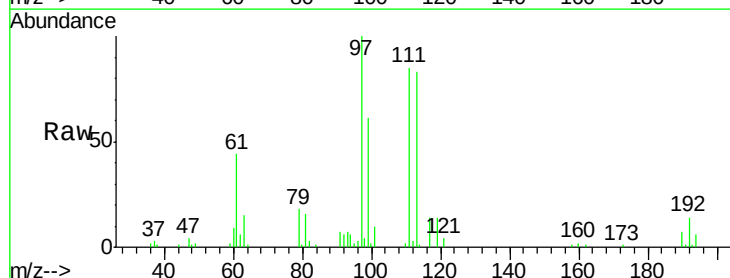
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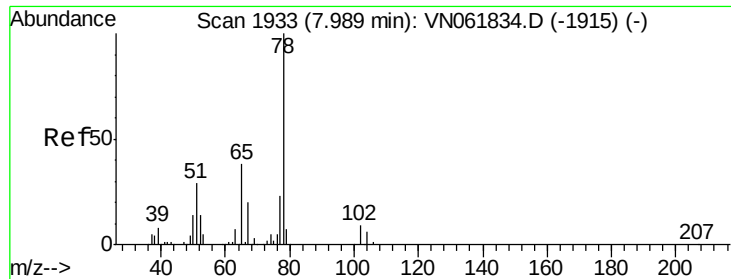
MMDadoda
6/23/2020 12:47:19 PM



#32
1,1,1-Trichloroethane
Concen: 20.218 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.5	77.3
61	46.2	35.1	52.7





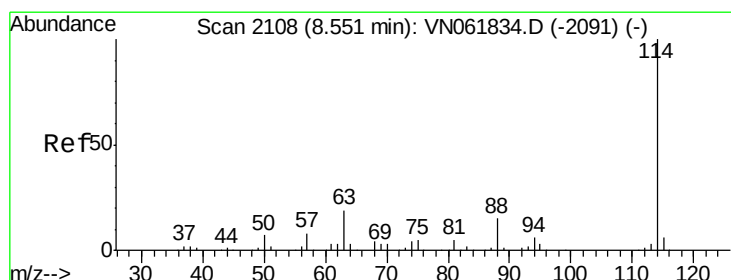
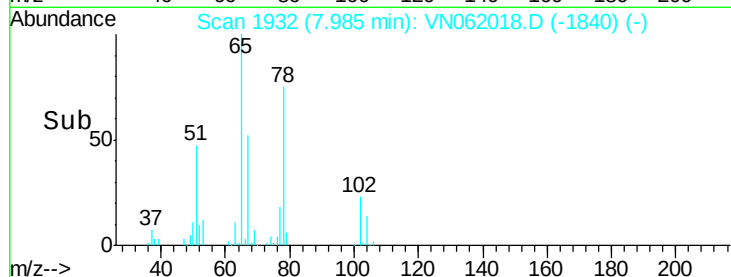
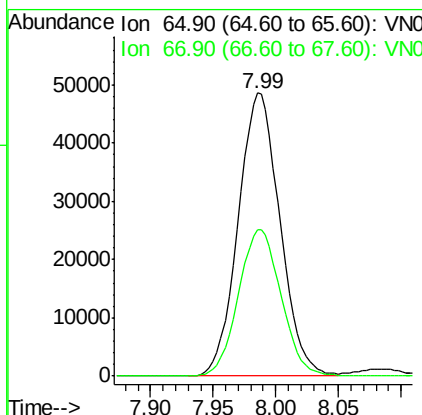
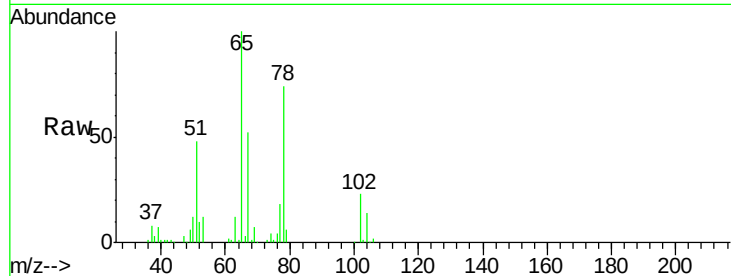
#33
 1,2-Dichloroethane-d4
 Concen: 52.698 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion: 65 Resp: 112650
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.2

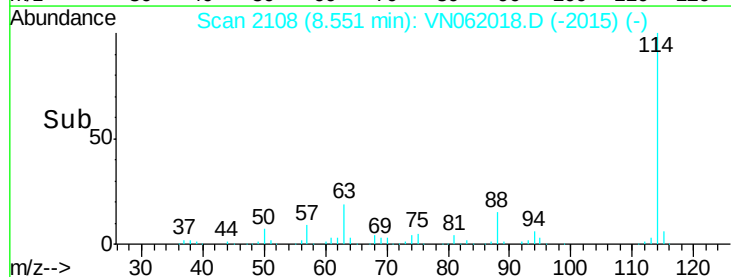
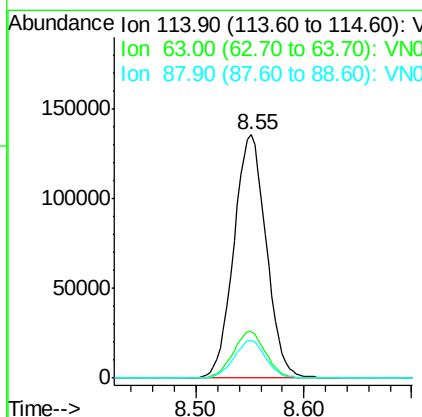
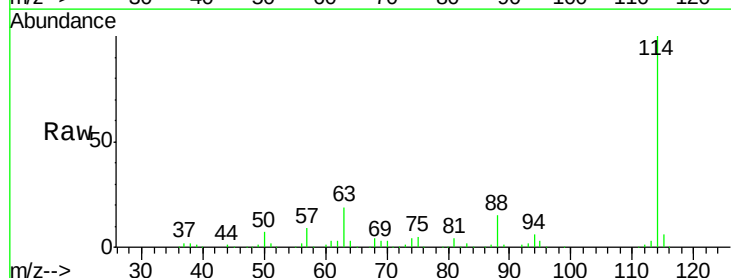
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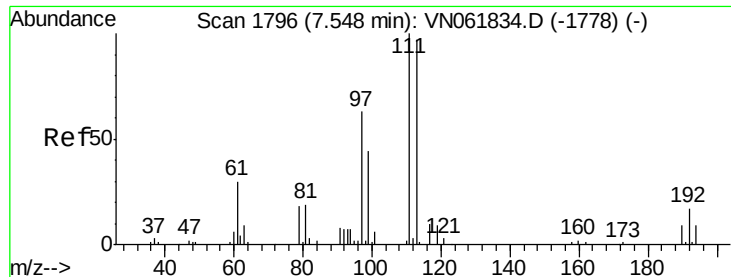
MMDadoda
 6/23/2020 12:47:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion: 114 Resp: 283712
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.6
 88 15.4 0.0 31.0





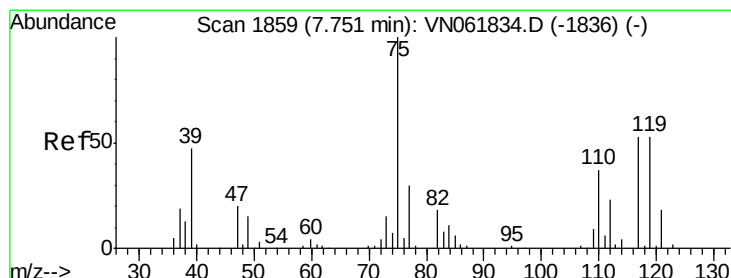
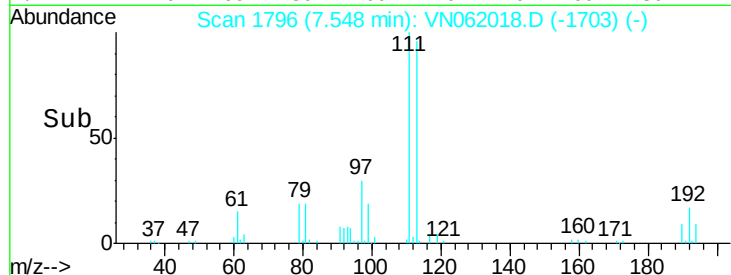
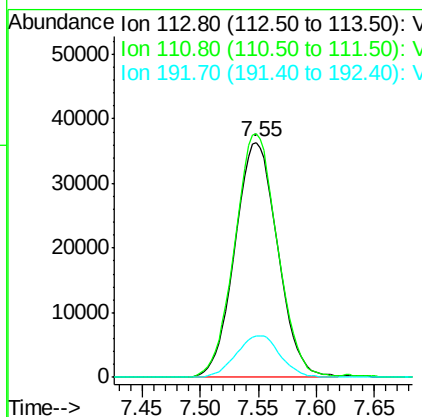
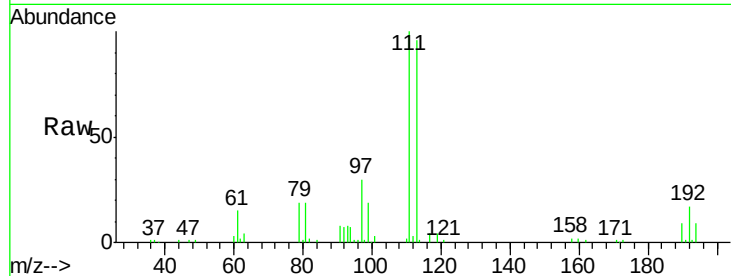
#35
 Dibromofluoromethane
 Concen: 51.393 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.7	125.5
192	18.1	13.9	20.9

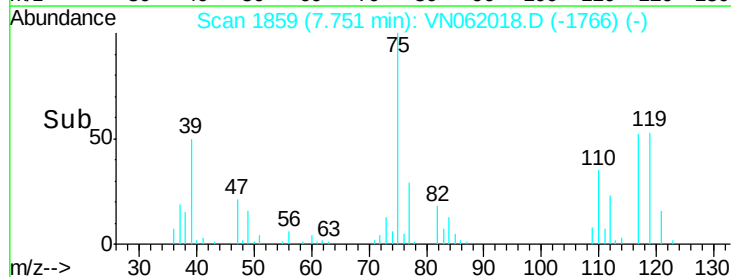
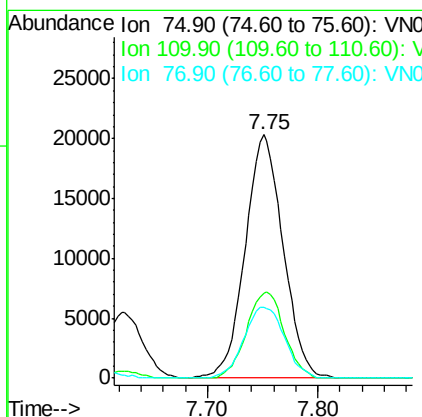
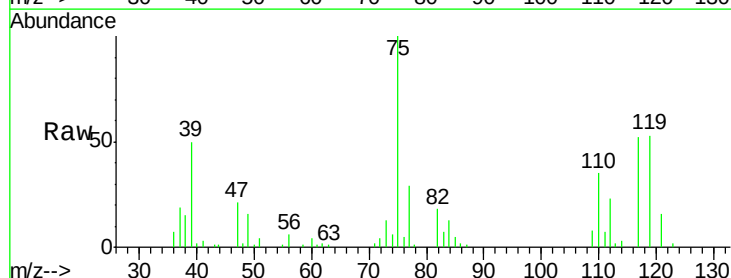
Manual Integrations
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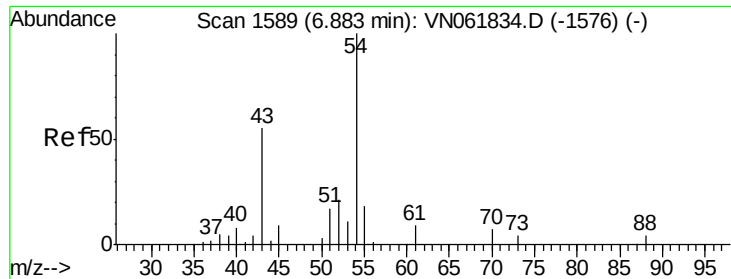
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.752 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.2	54.6
77	31.3	24.2	36.4





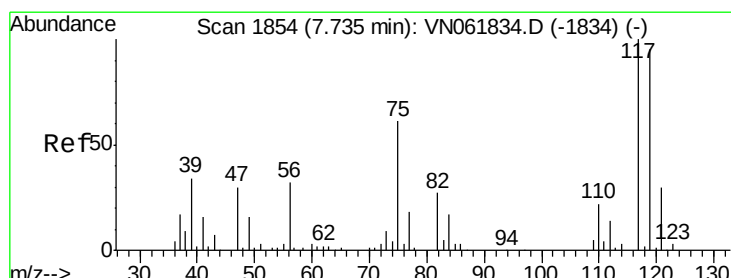
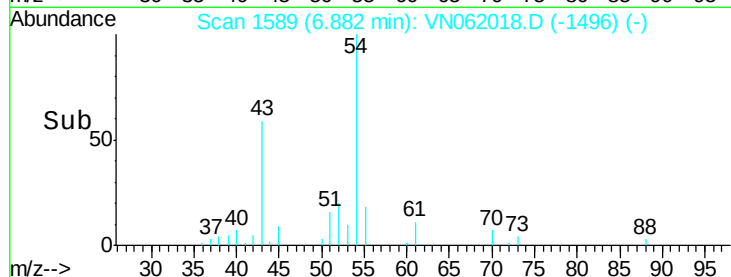
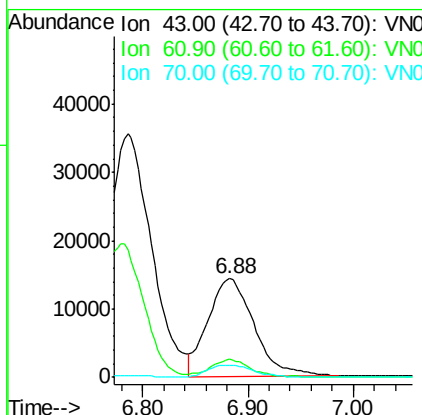
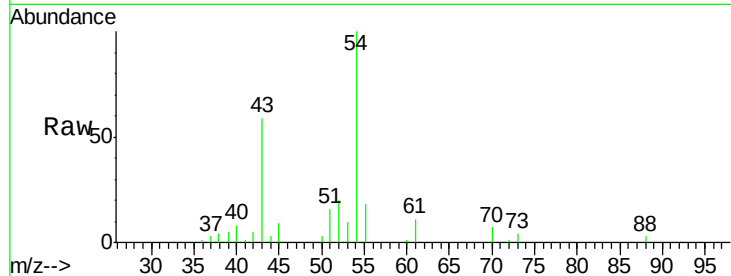
#37
Ethyl Acetate
Concen: 21.316 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.6	13.0	19.4	
70	12.2	9.4	14.2	

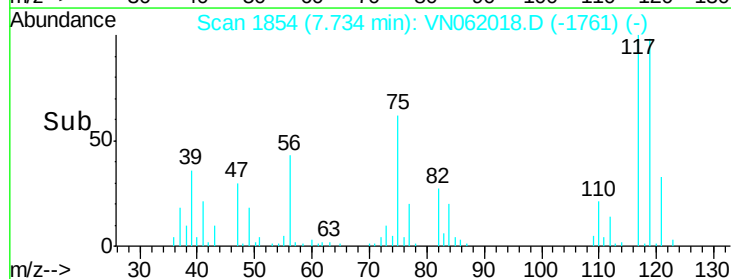
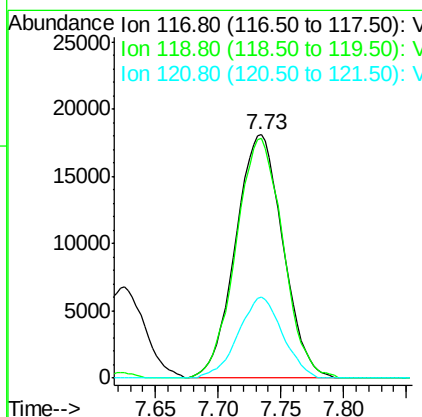
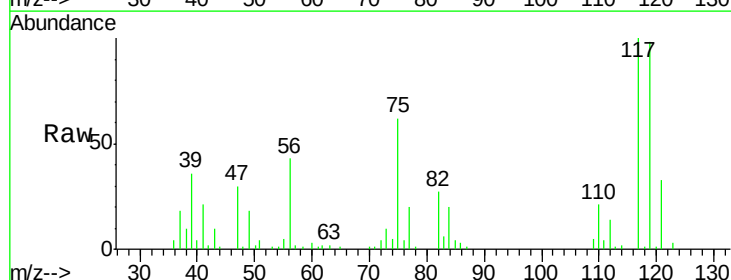
Manual Integrations
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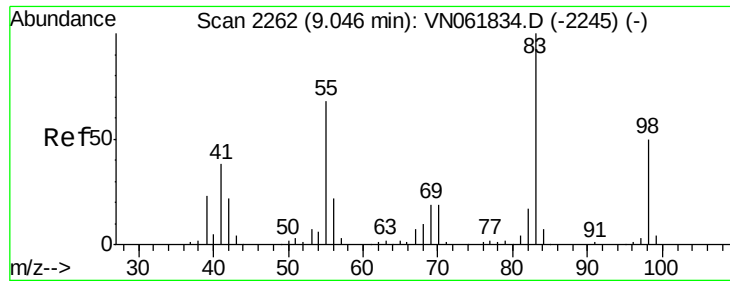
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.569 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.4	75.8	113.6	
121	33.2	23.8	35.6	





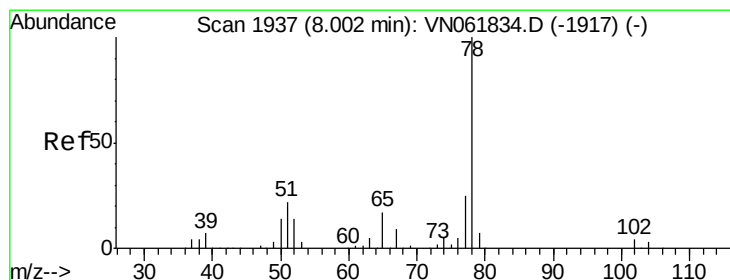
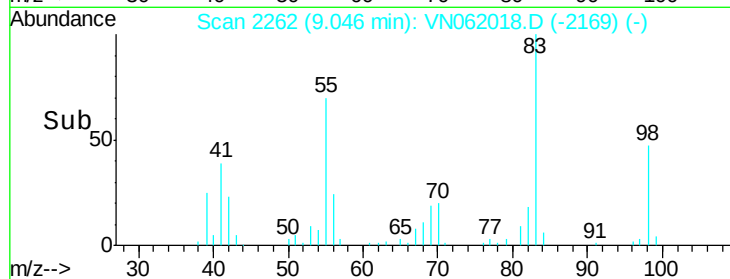
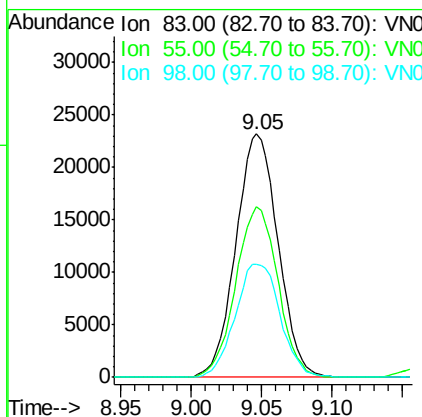
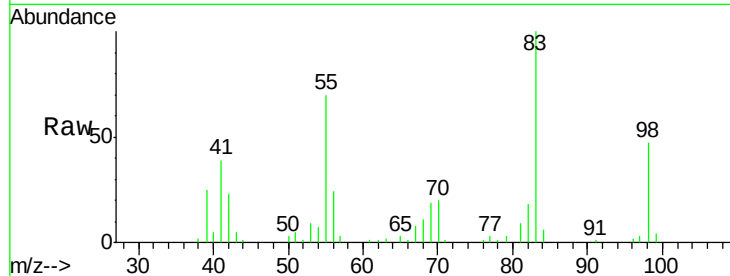
#39
Methylvlcyclohexane
Concen: 17.429 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.0	54.2	81.4
98	46.7	39.8	59.6

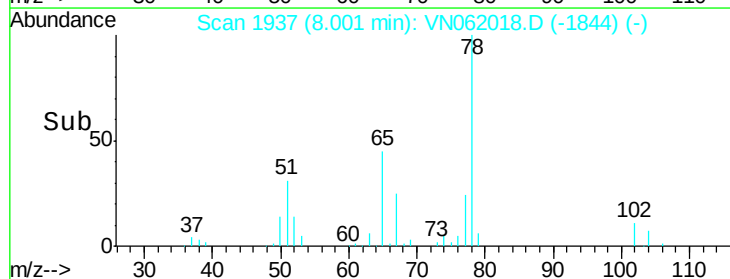
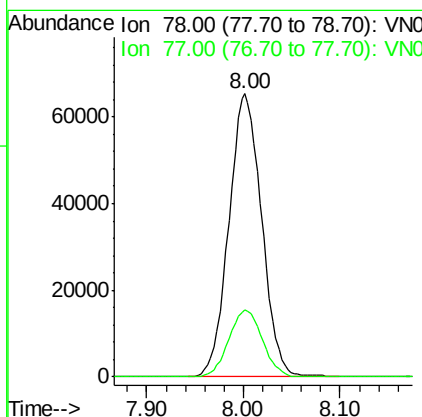
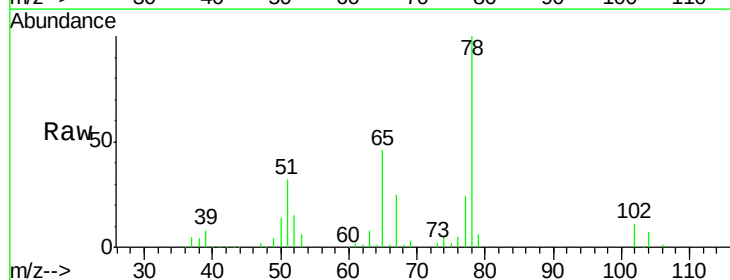
Manual Integrations
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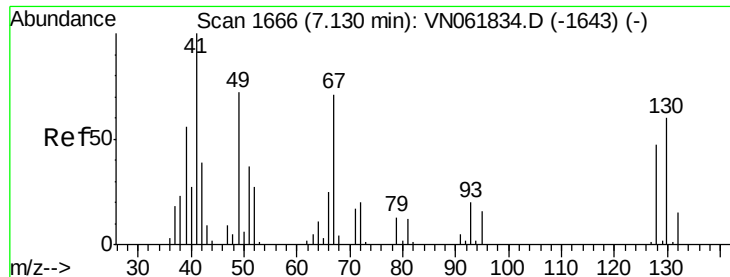
MMDadoda
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#40
Benzene
Concen: 19.608 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.7	29.5





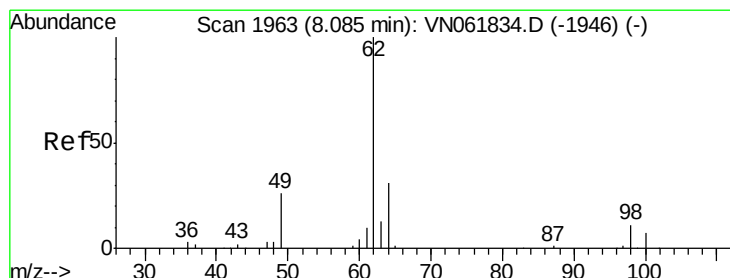
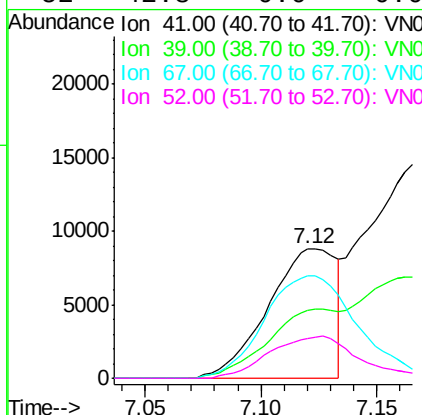
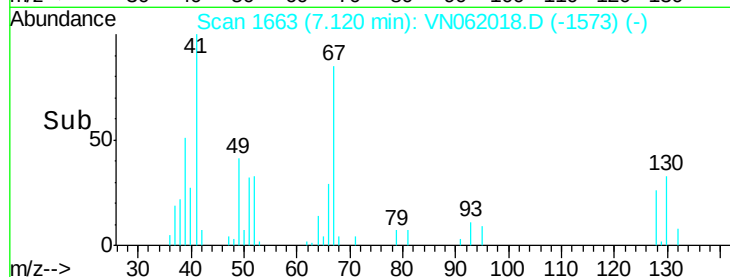
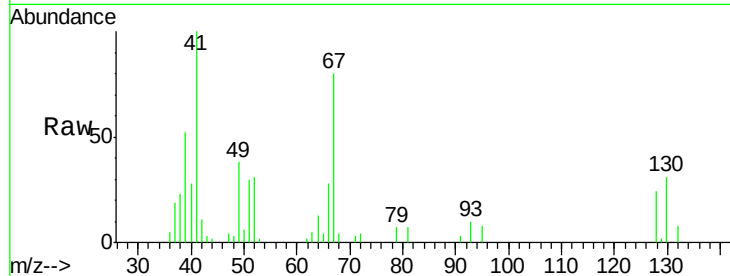
#41
Methacrylonitrile
Concen: 20.780 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.0	0.0	0.0#
67	109.8	0.0	0.0#
52	42.8	0.0	0.0#

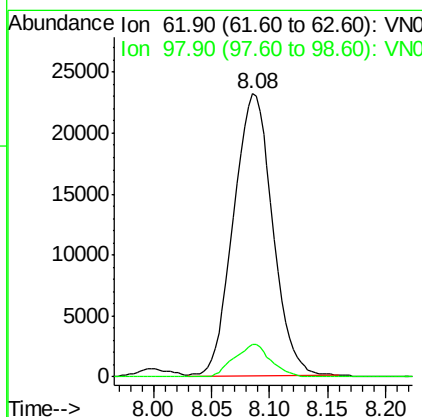
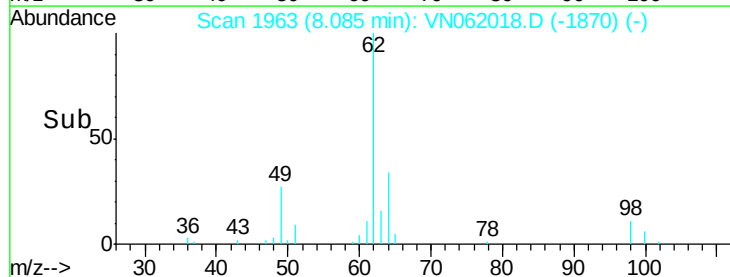
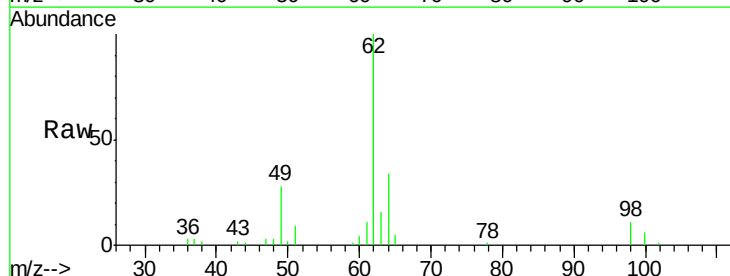
Manual Integrations
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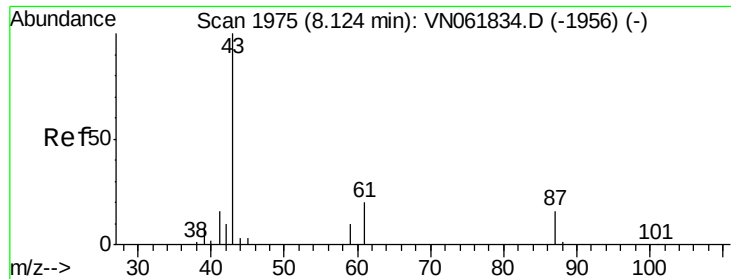
MMDadoda
6/23/2020 12:47:19 PM



#42
1,2-Dichloroethane
Concen: 20.245 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.4





#43

Isopropyl Acetate

Concen: 20.852 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

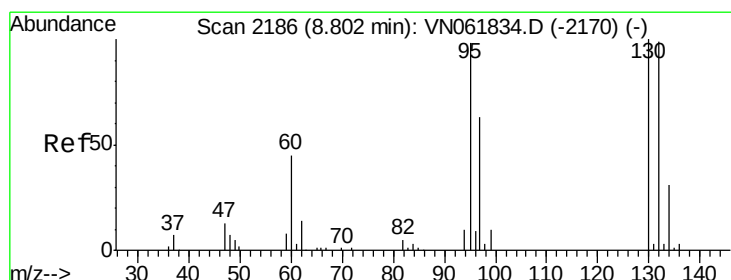
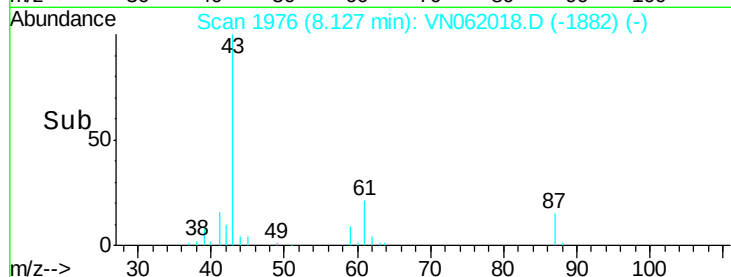
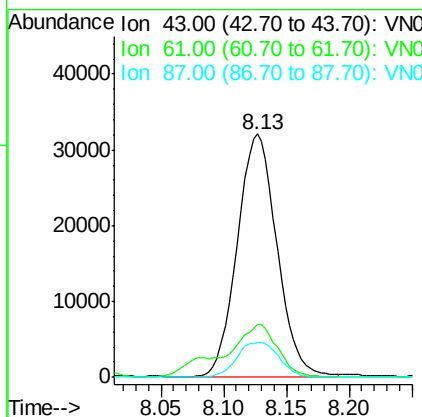
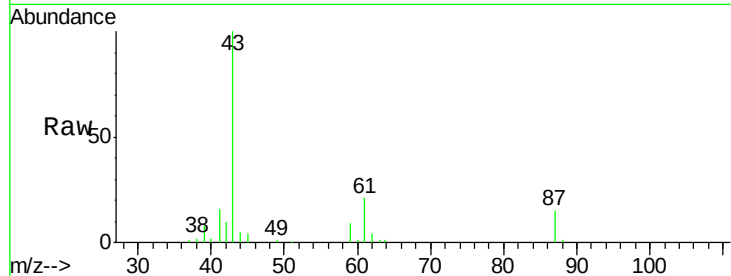
ClientSampleId :

VN0622WBSD02

Tot Ion:	43	Resp:	71012
Ion	Ratio	Lower	Upper
43	100		
61	22.1	24.0	36.0#
87	15.1	12.5	18.7

Manual Integrations
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#44

Trichloroethene

Concen: 19.191 ug/l

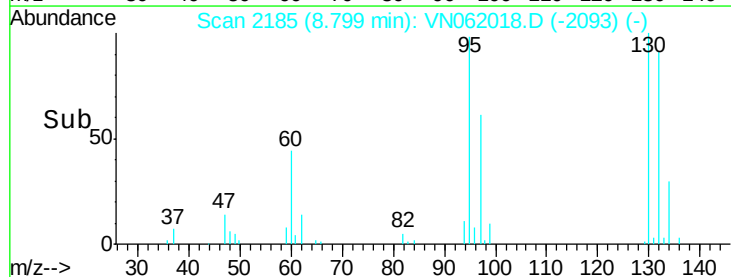
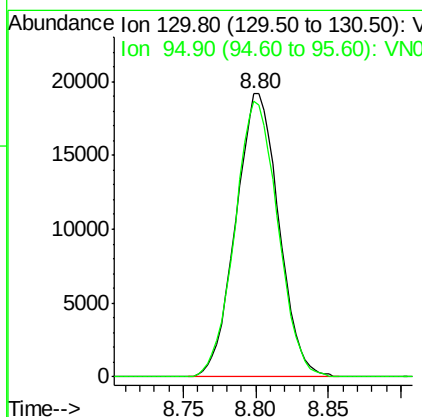
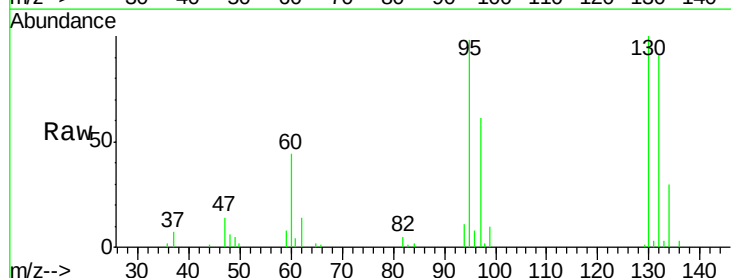
RT: 8.80 min Scan# 2185

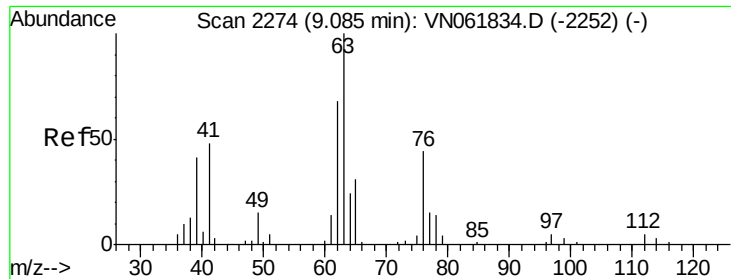
Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	130	Resp:	39592
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	195.6





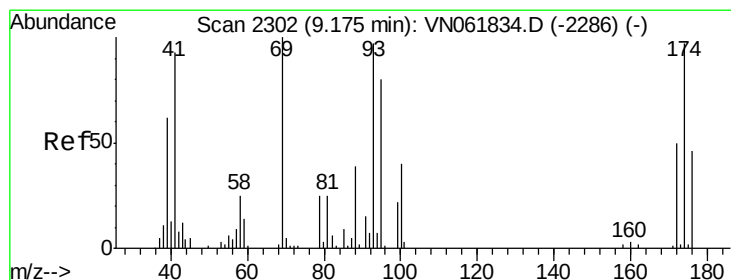
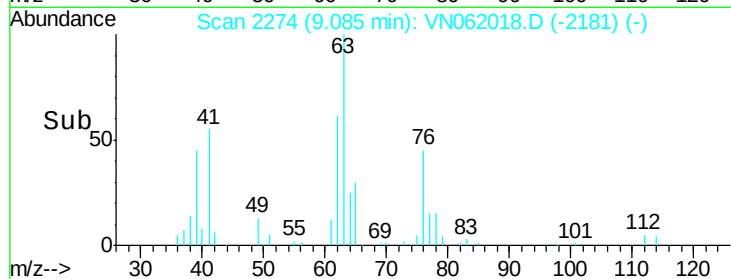
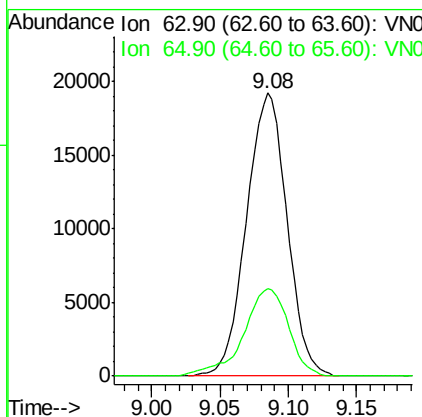
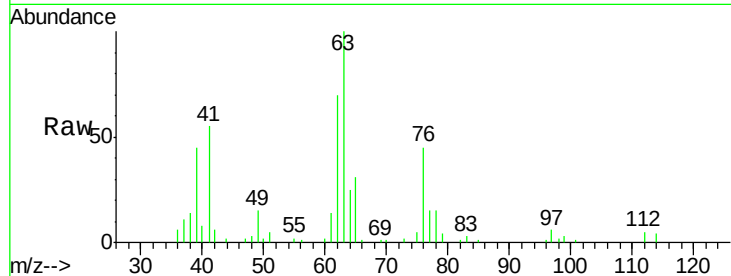
#45
 1,2-Dichloropropane
 Concen: 20.636 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion: 63 Resp: 39754
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.1 37.7

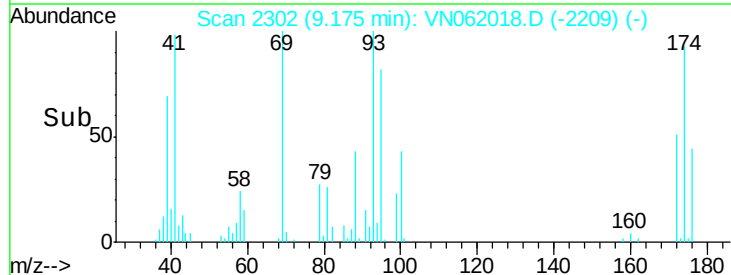
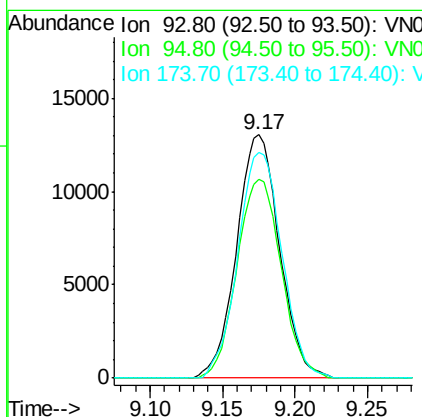
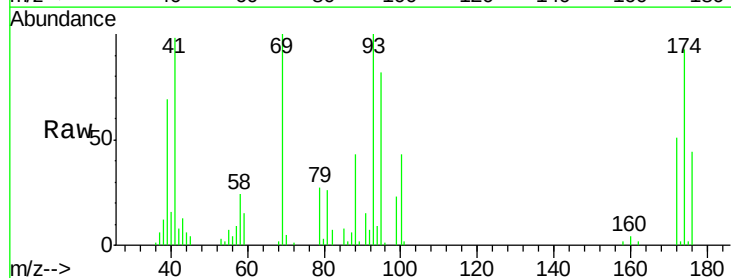
Manual Integrations
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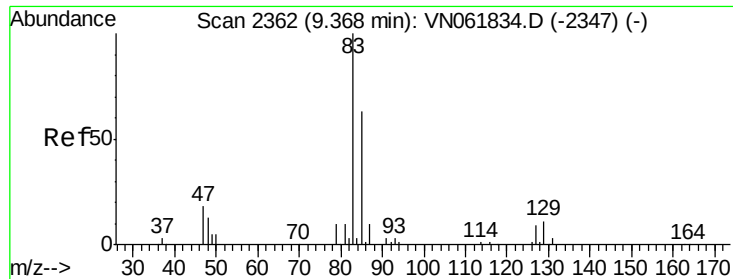
MMDadoda
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#46
 Dibromomethane
 Concen: 19.833 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion: 93 Resp: 26905
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.8 98.6
 174 95.0 78.5 117.7





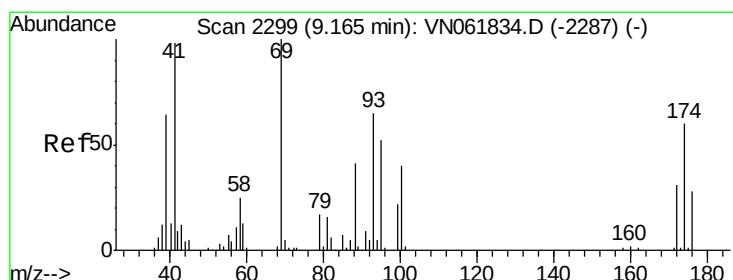
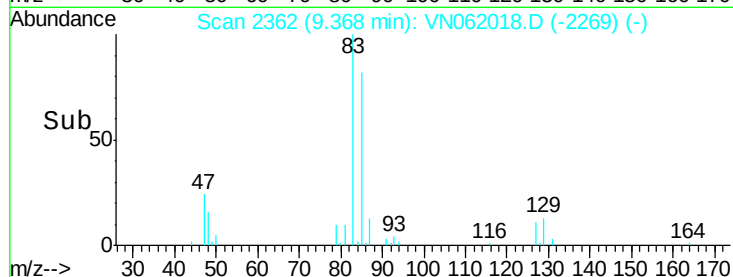
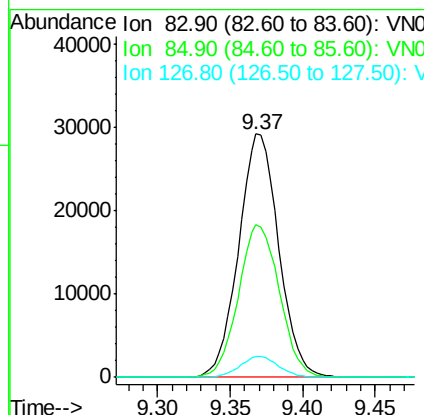
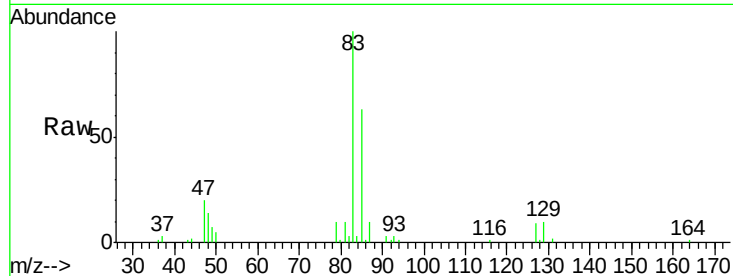
#47
Bromodichloromethane
Concen: 20.183 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion:	83	Resp:	56063
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.8	76.2
127	8.7	7.0	10.4

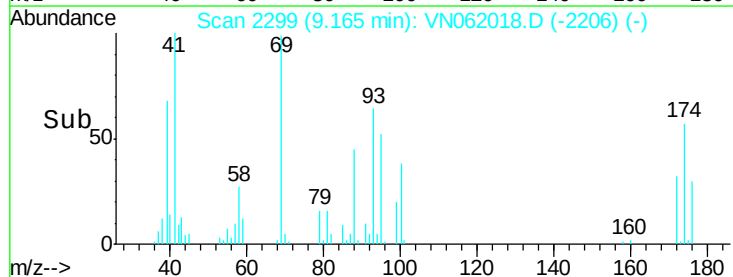
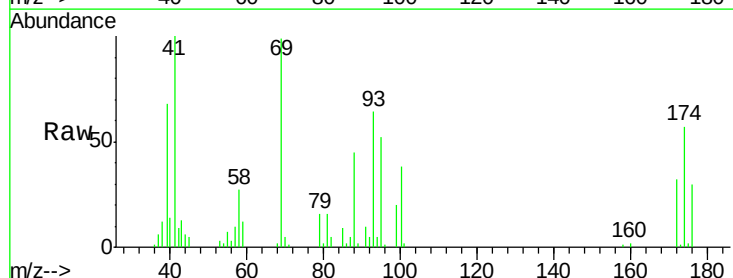
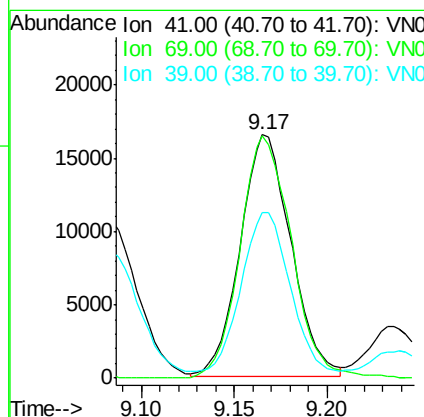
Manual Integrations
APPROVED

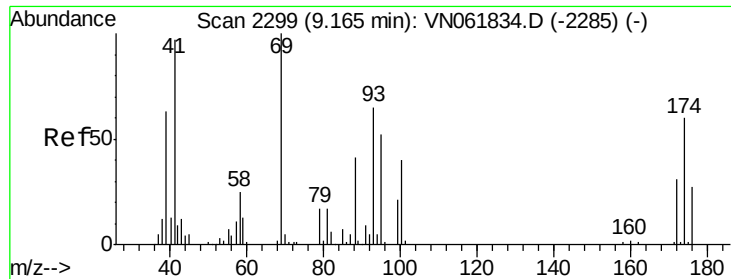
MMDadoda
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#48
Methyl methacrylate
Concen: 20.228 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion:	41	Resp:	31327
Ion Ratio	Lower	Upper	
41	100		
69	101.7	83.0	124.4
39	68.4	55.1	82.7





#49

1,4-Dioxane

Concen: 409.124 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

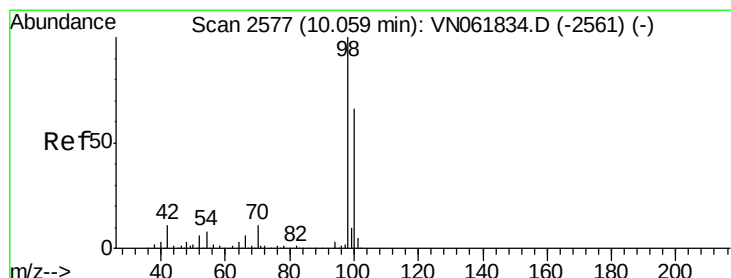
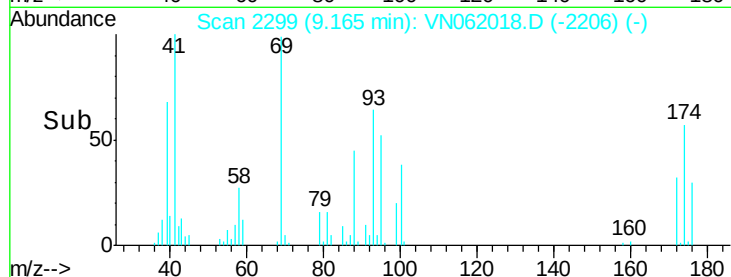
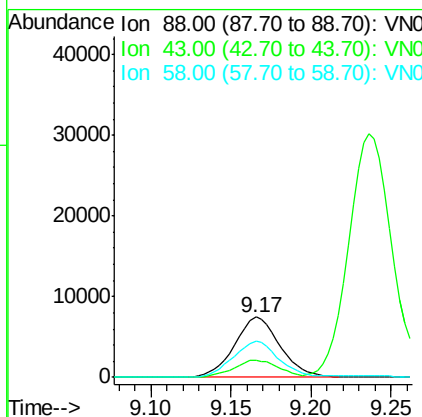
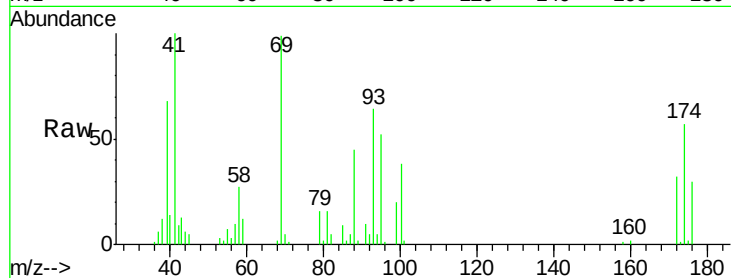
ClientSampleId :

VN0622WBSD02

Tot Ion:	88	Resp:	14547
Ion	Ratio	Lower	Upper
88	100		
43	28.1	23.4	35.2
58	60.0	49.8	74.6

Manual Integrations
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#50

Toluene-d8

Concen: 50.130 ug/l

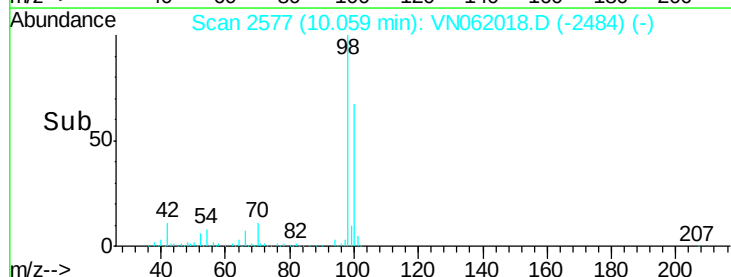
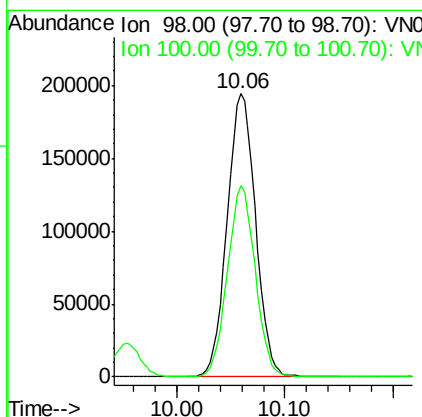
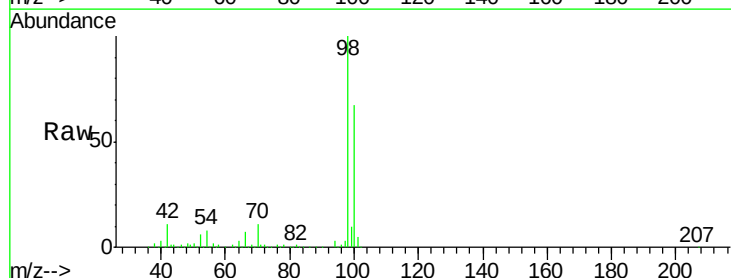
RT: 10.06 min Scan# 2577

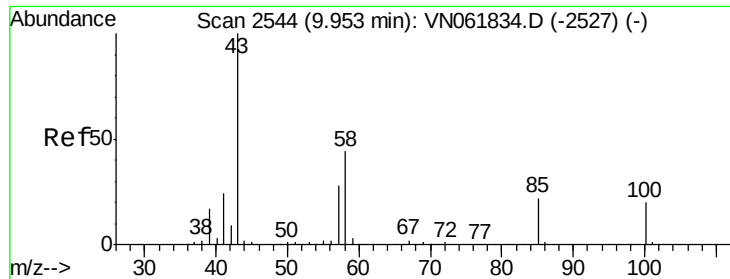
Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	98	Resp:	357713
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 106.599 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

ClientSampleID :

VN0622WBSD02

Tot Ion: 43 Resp: 214524

Ion Ratio Lower Upper

43 100

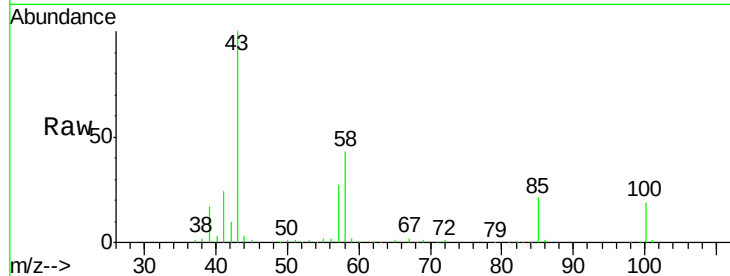
58 42.7 34.6 52.0

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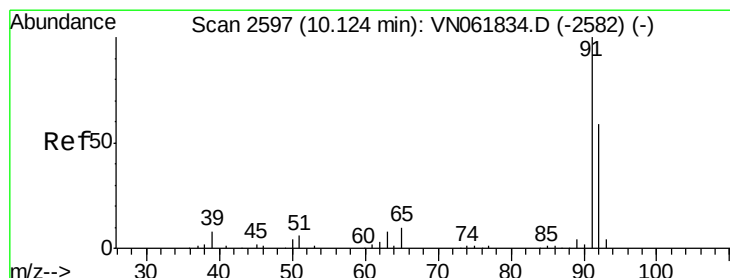
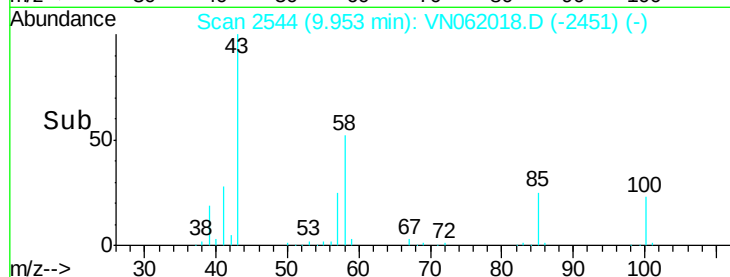
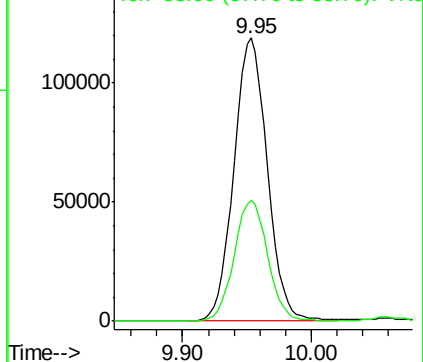
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.971 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062018.D

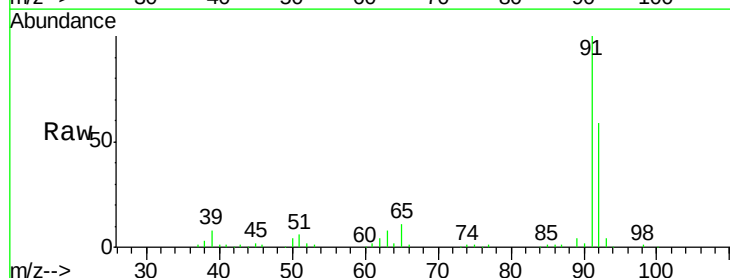
Acq: 22 Jun 2020 23:56

Tgt Ion: 92 Resp: 98317

Ion Ratio Lower Upper

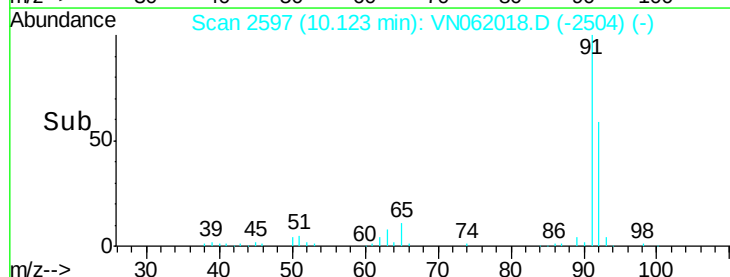
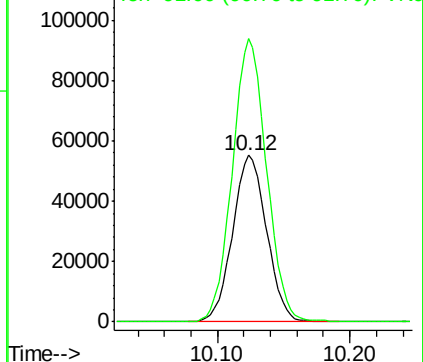
92 100

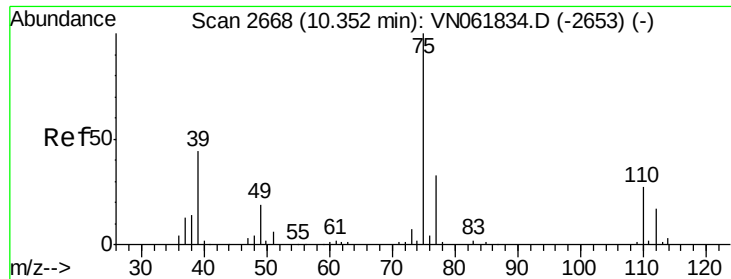
91 171.2 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





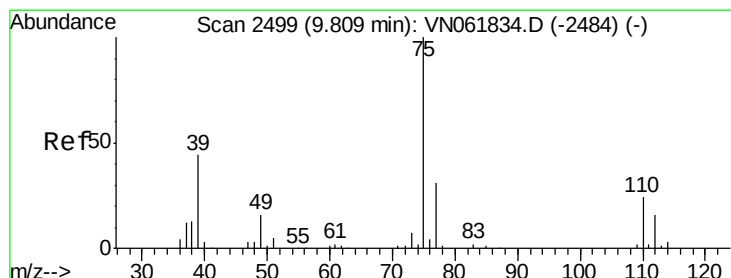
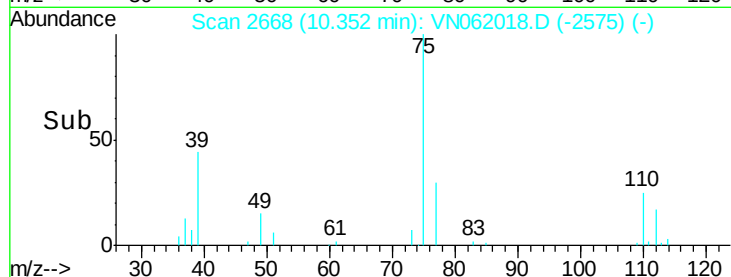
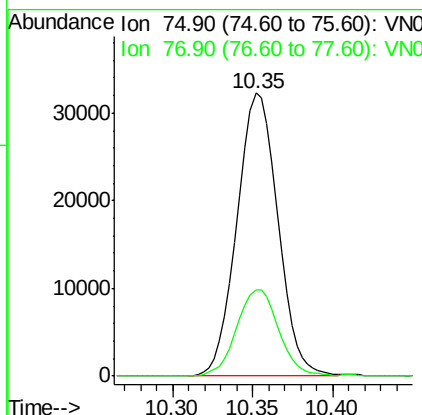
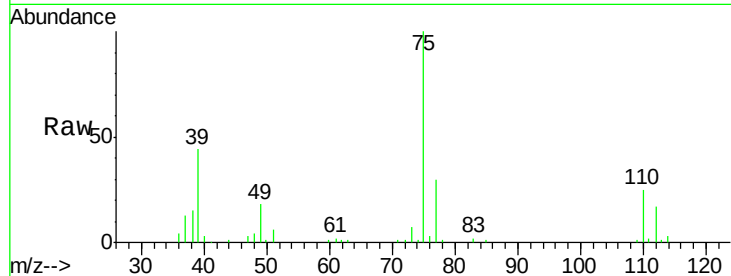
#53
t-1,3-Dichloropropene
Concen: 19.154 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.3	39.5

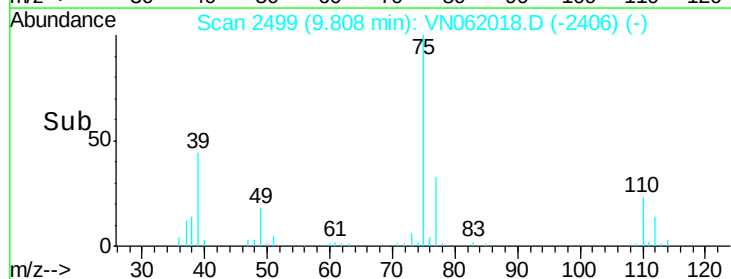
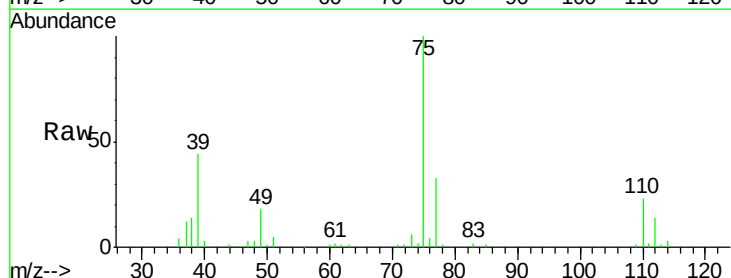
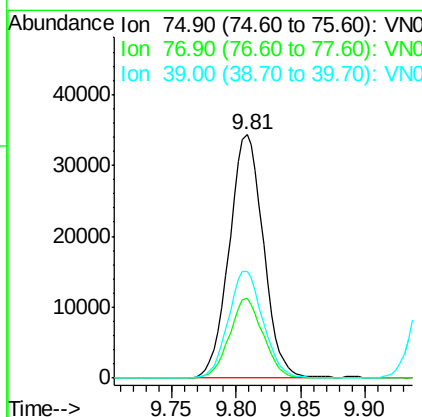
Manual Integrations
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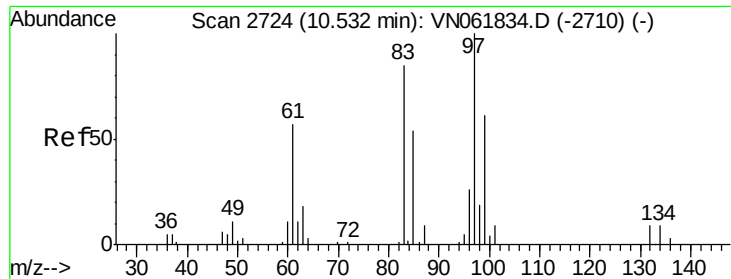
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#54
cis-1,3-Dichloropropene
Concen: 19.767 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.8	37.2
39	43.6	35.4	53.0





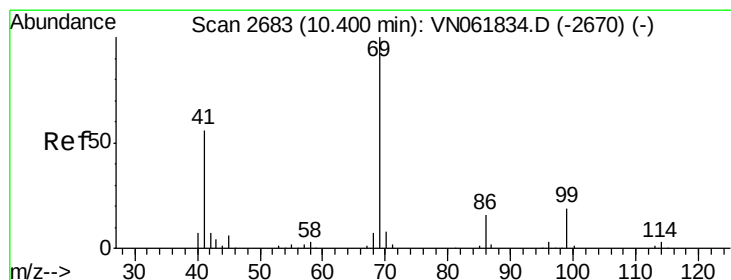
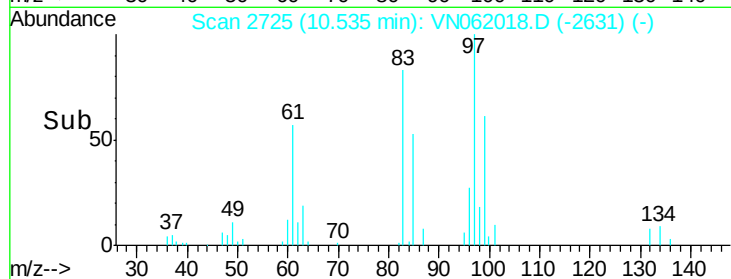
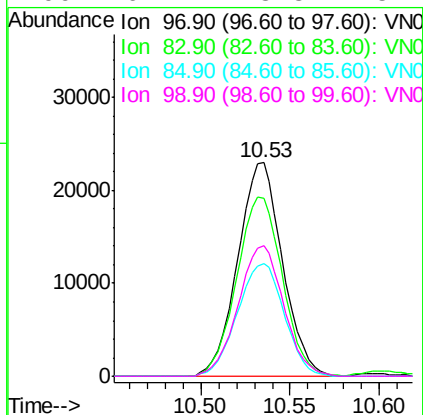
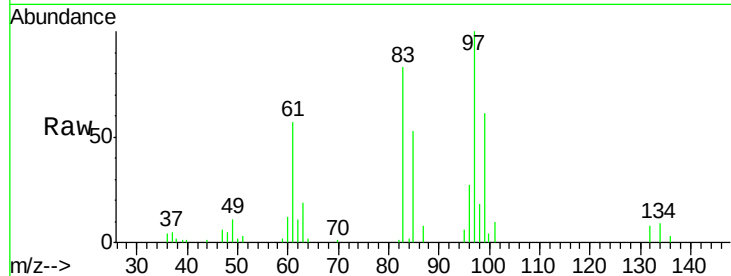
#55
 1,1,2-Trichloroethane
 Concen: 20.819 ug/l
 RT: 10.53 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	97	Resp	40326
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.7	101.5
85	52.6	43.4	65.0
99	61.1	48.8	73.2

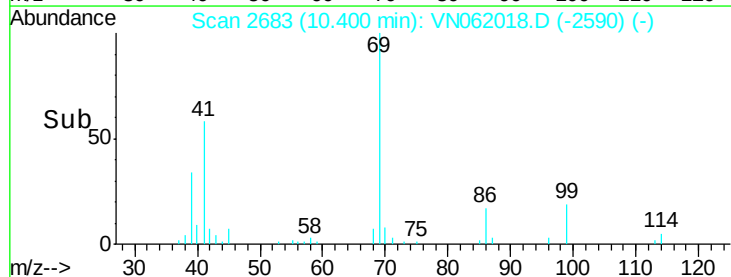
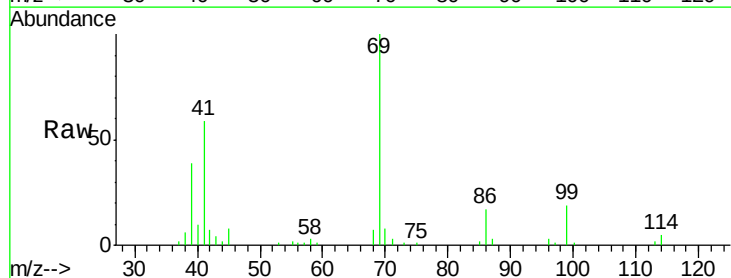
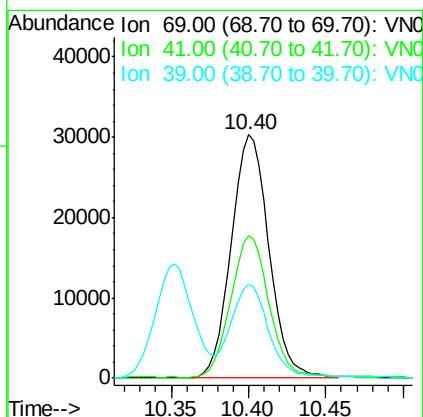
Manual Integrations
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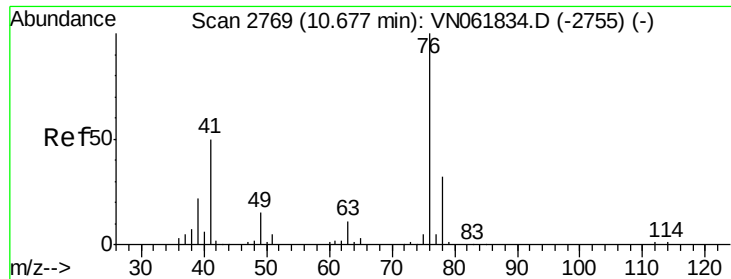
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#56
 Ethyl methacrylate
 Concen: 19.227 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	69	Resp	51276
Ion	Ratio	Lower	Upper
69	100		
41	60.0	44.9	67.3
39	37.9	30.0	45.0





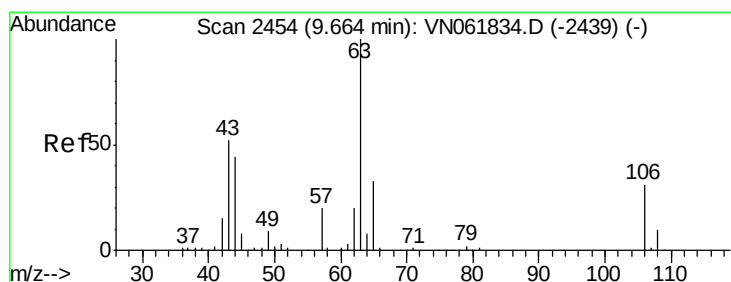
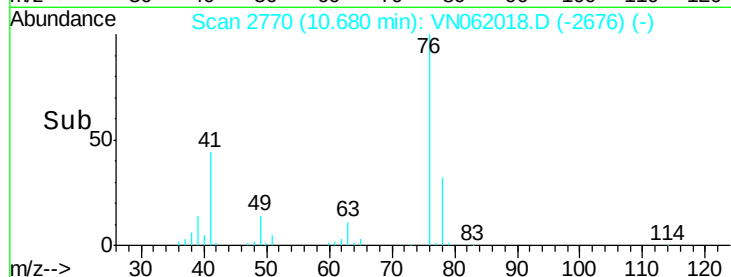
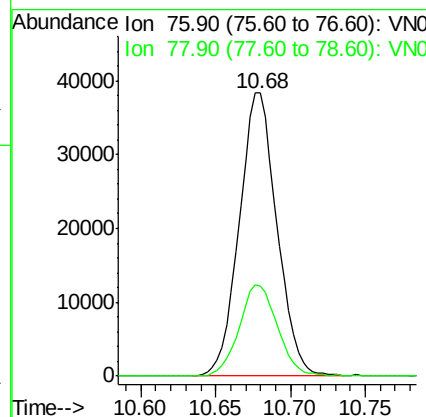
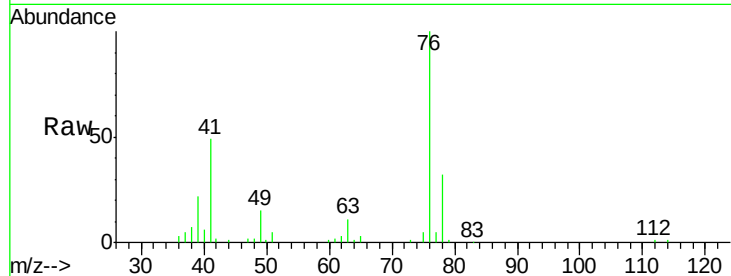
#57
 1,3-Dichloropropane
 Concen: 20.487 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion: 76 Resp: 67228
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

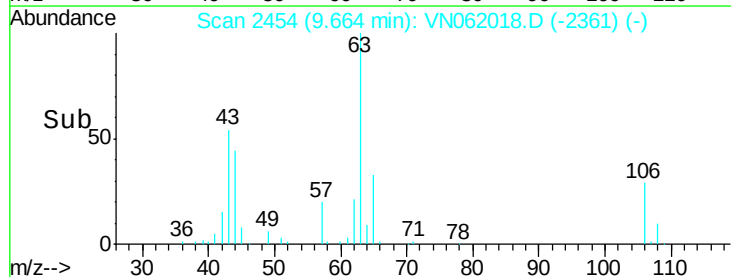
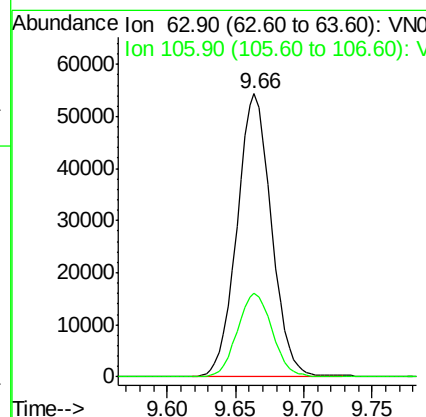
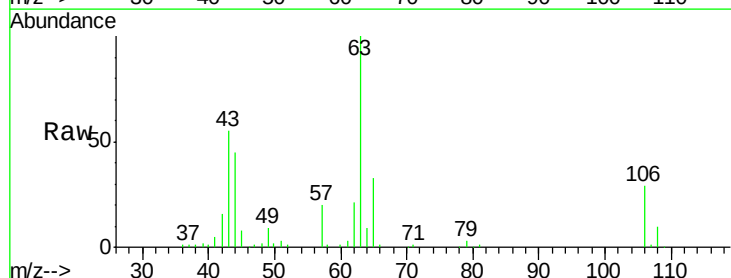
Manual Integrations
 APPROVED

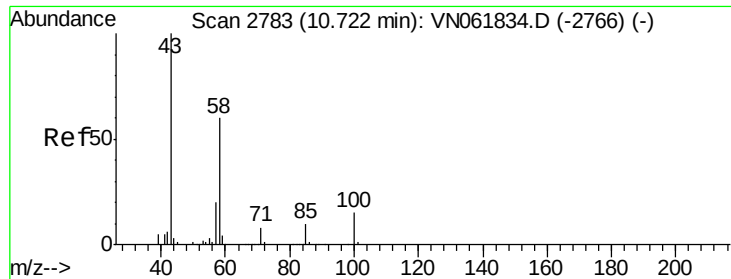
MMDadoda
 6/23/2020 12:47:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.168 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion: 63 Resp: 95243
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.6 36.8





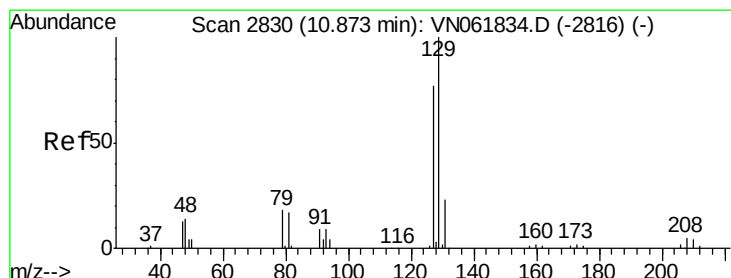
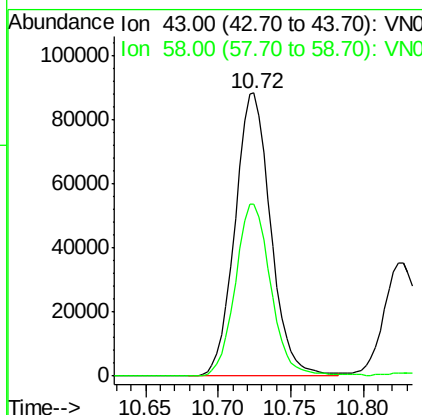
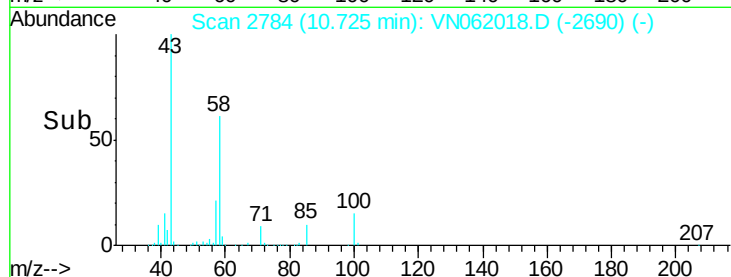
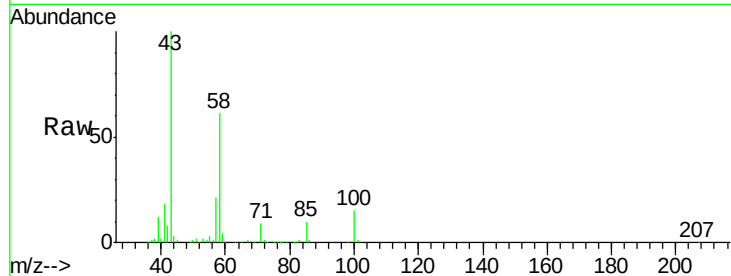
#59
2-Hexanone
Concen: 102.207 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion: 43 Resp: 150859
Ion Ratio Lower Upper
43 100
58 60.6 30.1 90.5

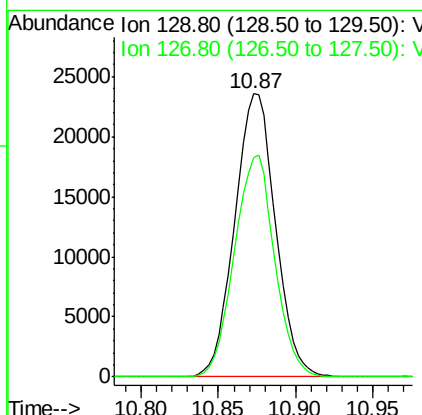
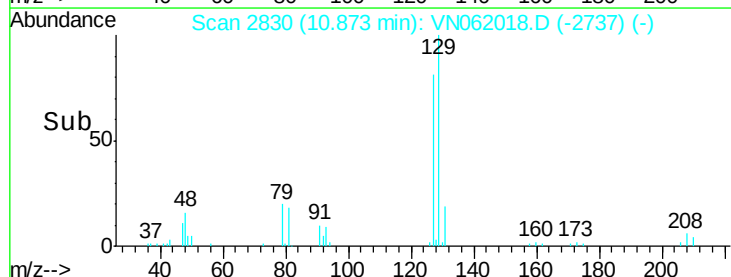
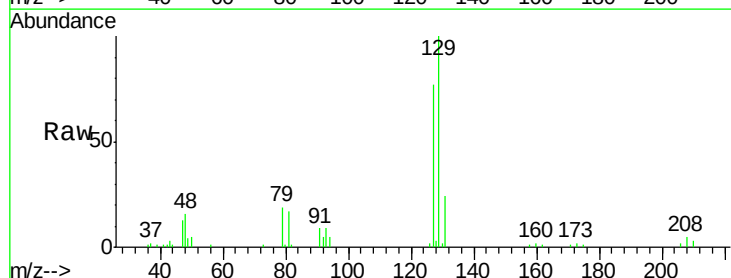
Manual Integrations
APPROVED

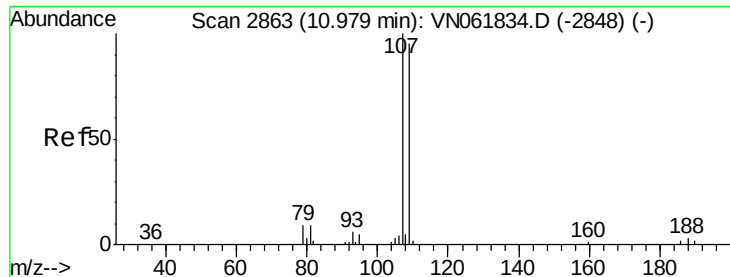
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#60
Dibromochloromethane
Concen: 19.966 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion: 129 Resp: 43154
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





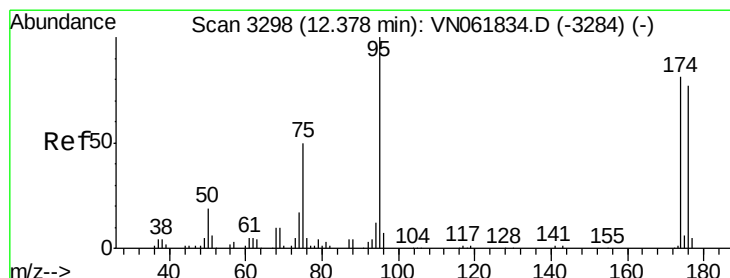
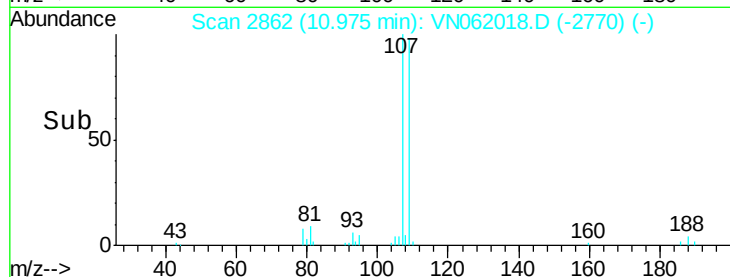
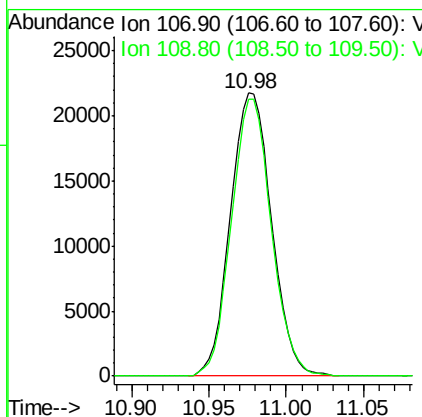
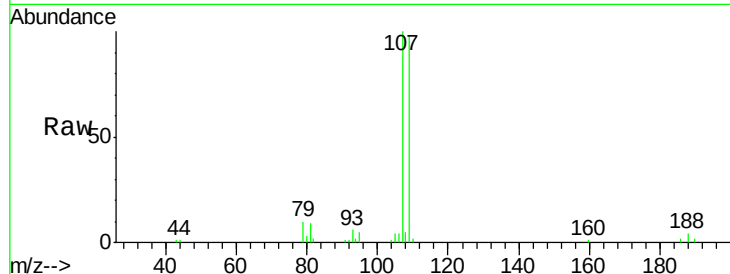
#61
 1,2-Dibromoethane
 Concen: 19.845 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.0	112.6

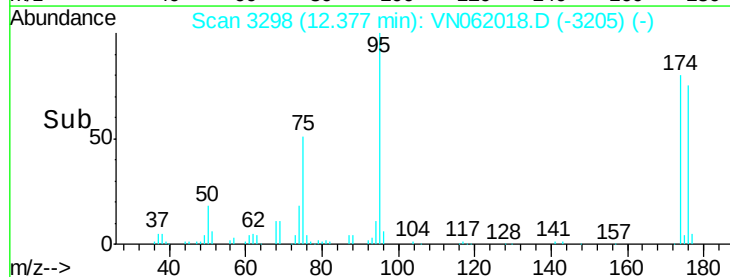
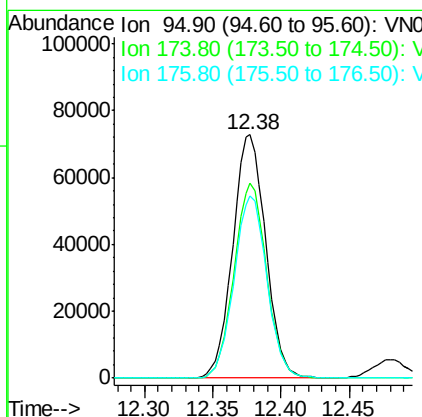
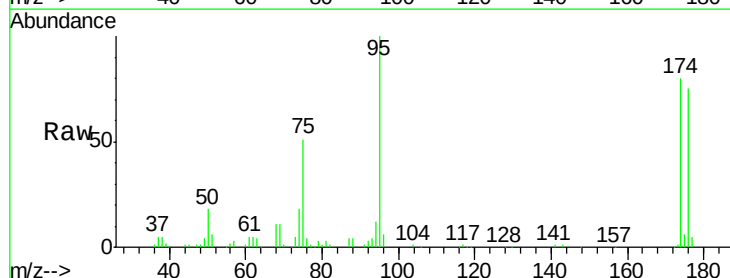
Manual Integrations
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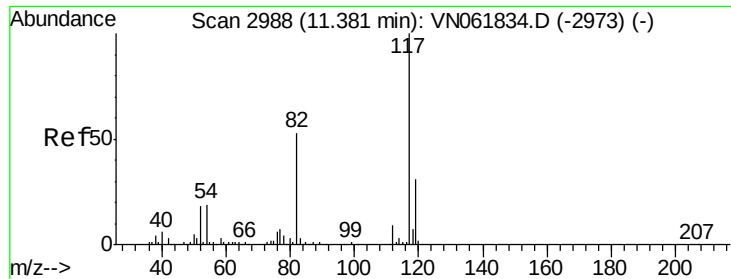
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#62
 4-Bromofluorobenzene
 Concen: 49.875 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	158.6
176	74.8	0.0	152.0





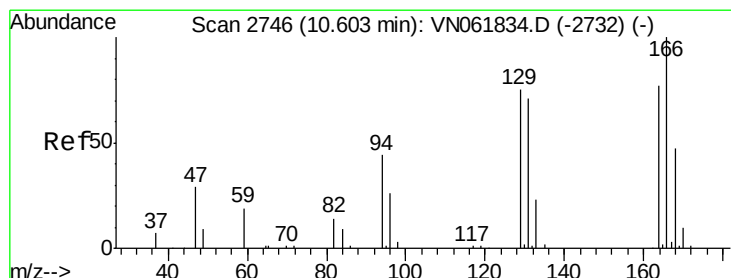
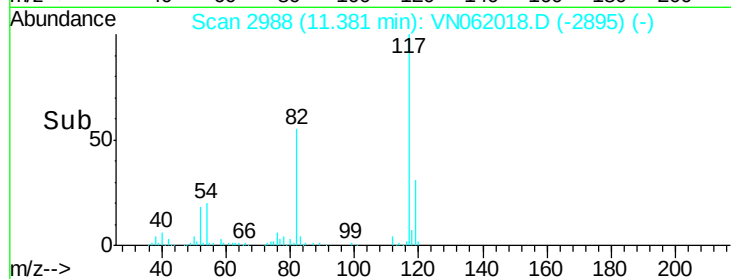
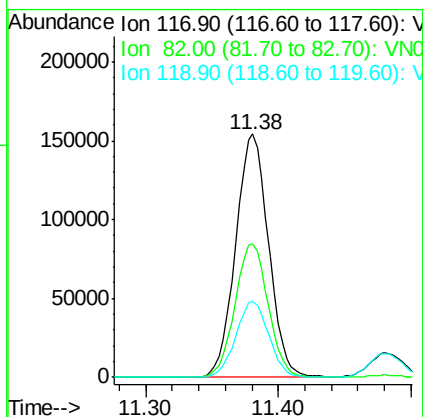
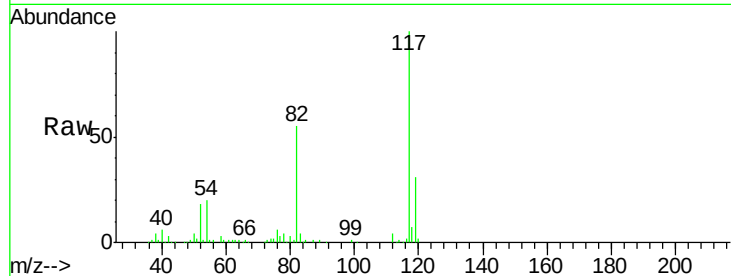
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.6	64.0
119	31.4	24.7	37.1

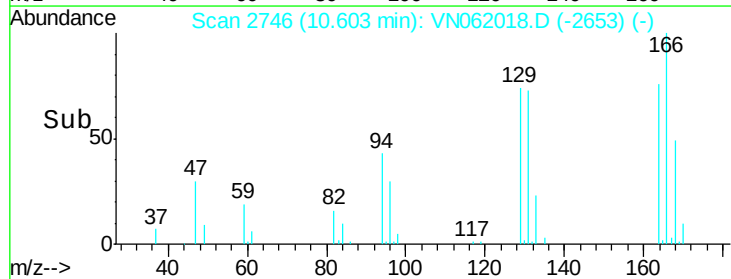
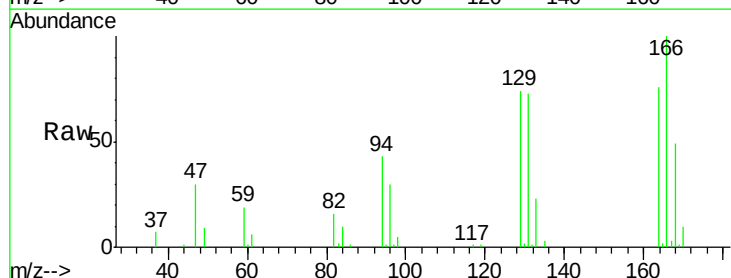
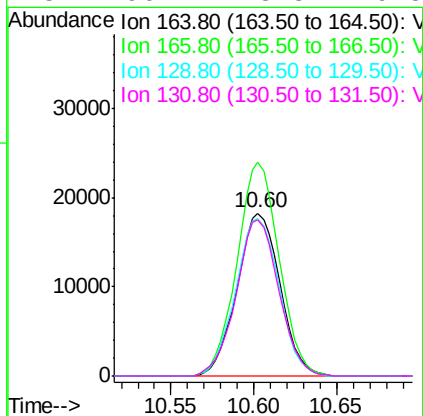
Manual Integrations
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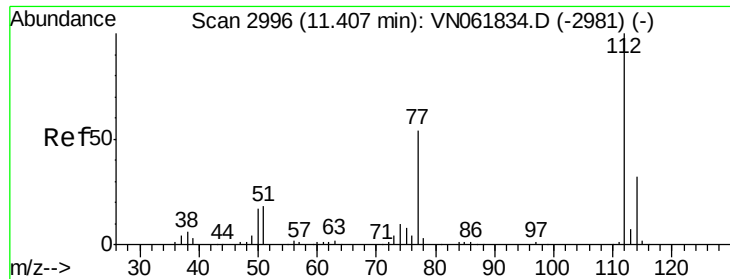
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#64
Tetrachloroethene
Concen: 19.529 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	103.5	155.3
129	96.5	77.5	116.3
131	96.1	73.8	110.8





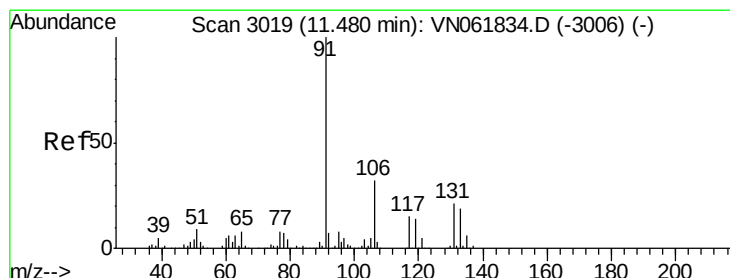
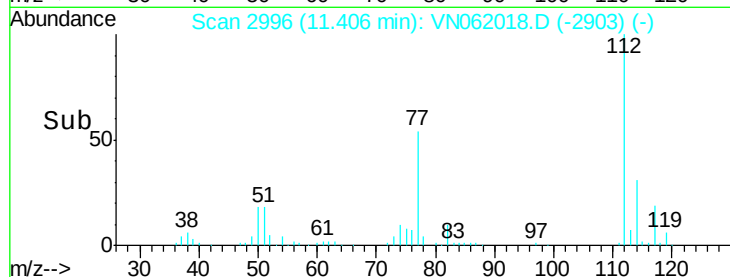
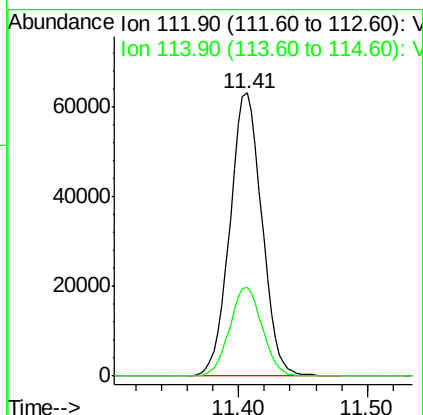
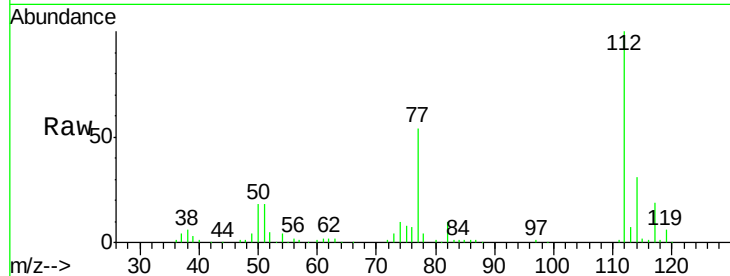
#65
Chlorobenzene
Concen: 19.411 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion:112 Resp: 108841
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.6

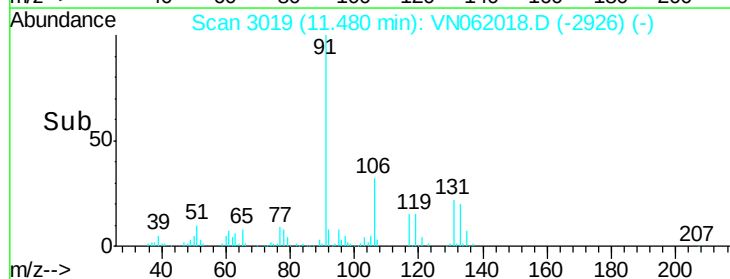
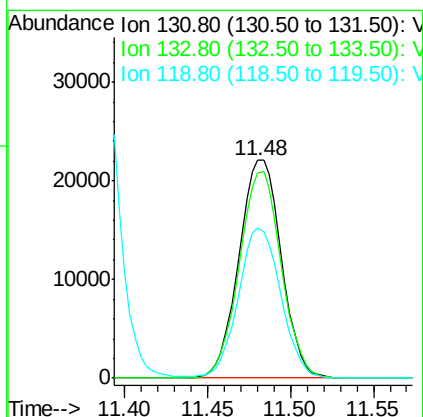
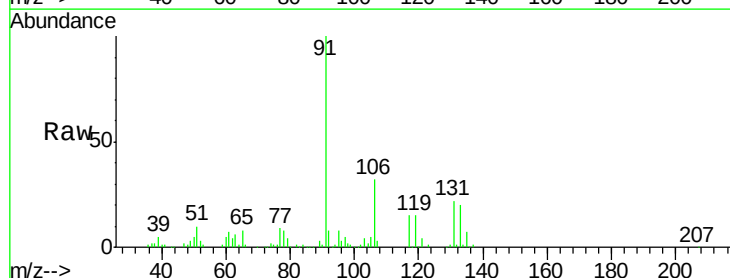
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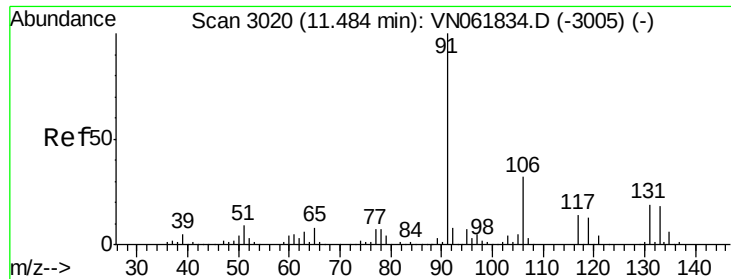
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.088 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion:131 Resp: 39284
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.5
119 68.7 34.0 101.8





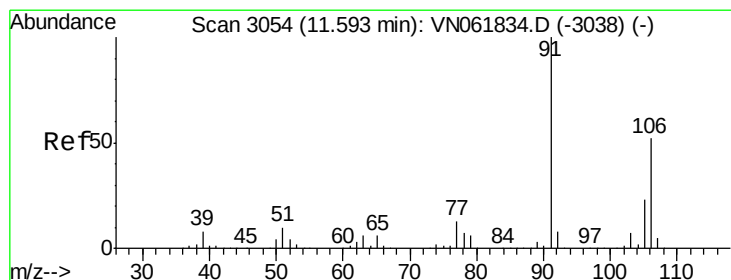
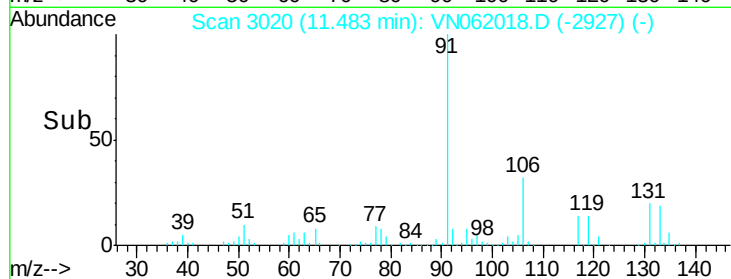
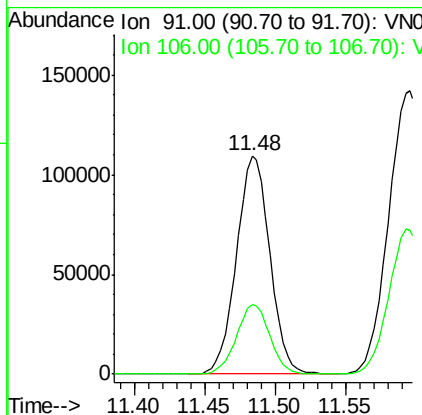
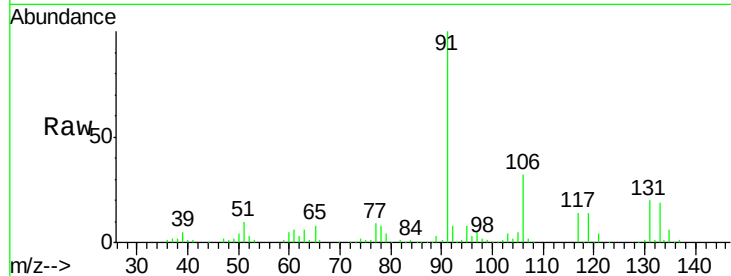
#67
Ethyl Benzene
Concen: 19.297 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampled :
VN0622WBSD02

Tot Ion: 91 Resp: 181418
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2

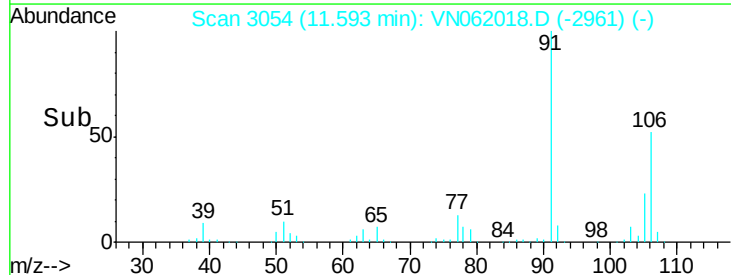
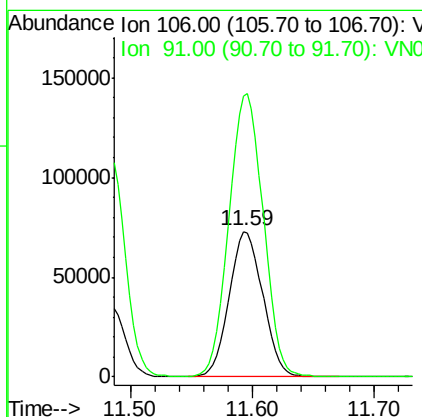
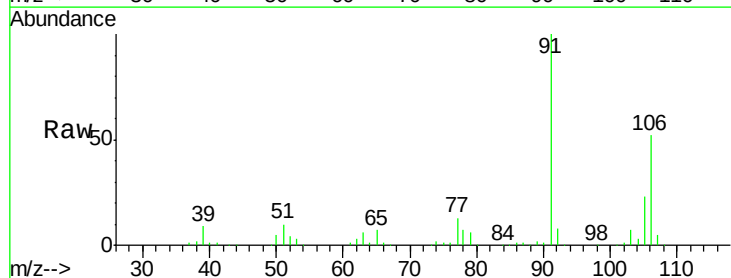
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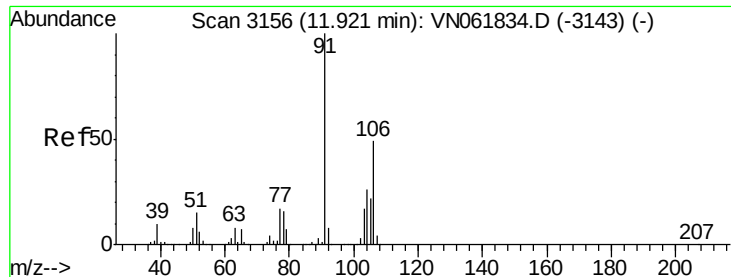
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#68
m/p-Xylenes
Concen: 38.562 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion: 106 Resp: 139792
Ion Ratio Lower Upper
106 100
91 197.6 157.0 235.6





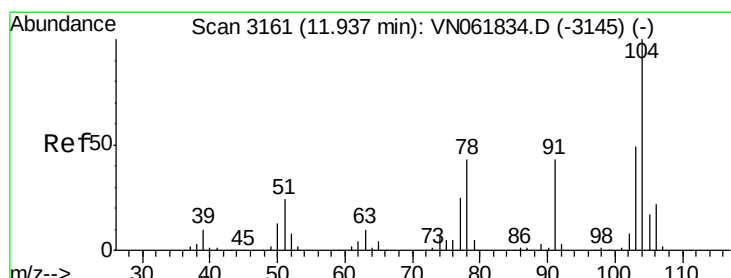
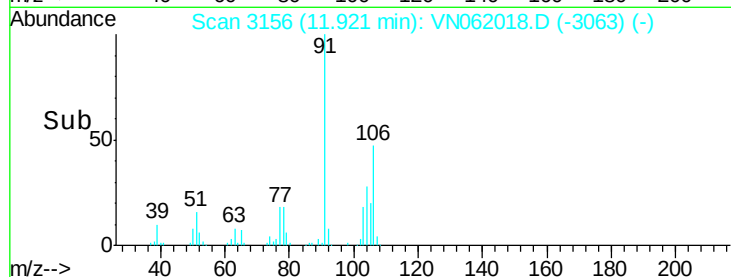
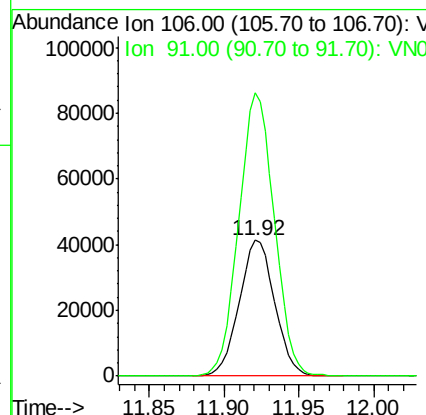
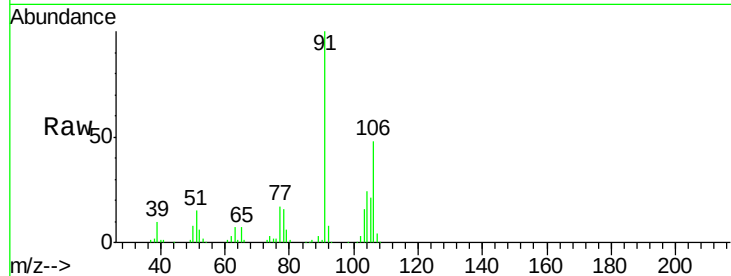
#69
o-Xylene
Concen: 19.799 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.1	103.0	308.9	

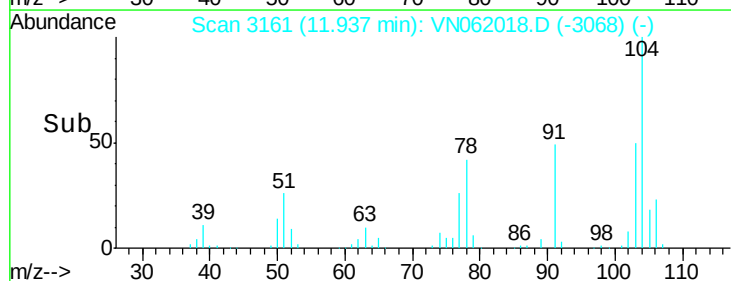
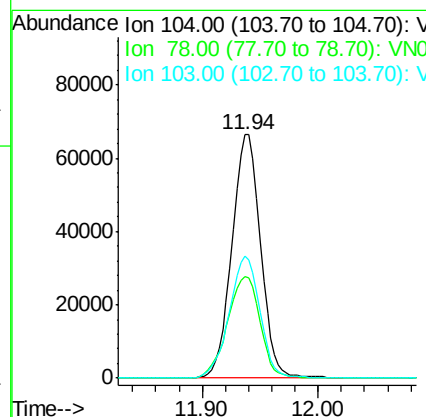
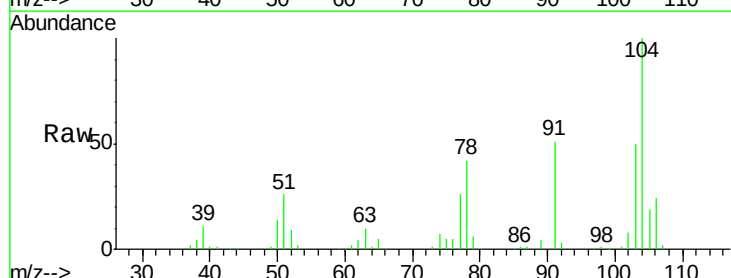
Manual Integrations
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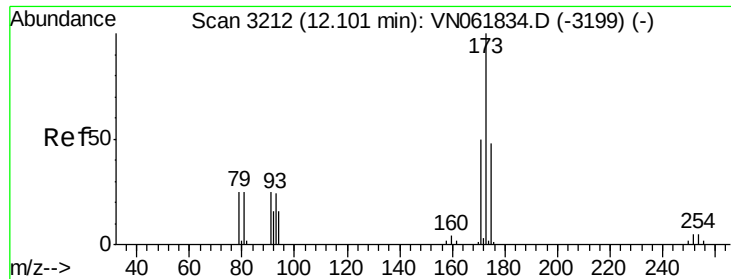
MMDadoda
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#70
Styrene
Concen: 19.576 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.5	37.6	56.4	
103	53.5	43.0	64.4	





#71

Bromoform

Concen: 19.316 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

ClientSampleId :

VN0622WBSD02

Tot Ion:173 Resp: 27543

Ion Ratio Lower Upper

173 100

175 49.1 23.9 71.7

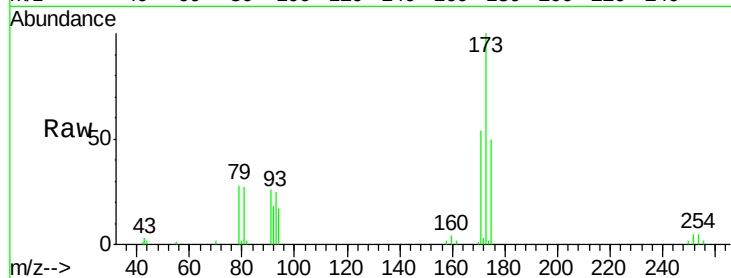
254 0.0 0.0 0.0

Manual Integrations

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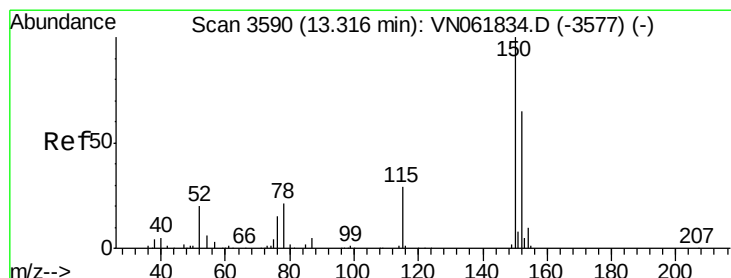
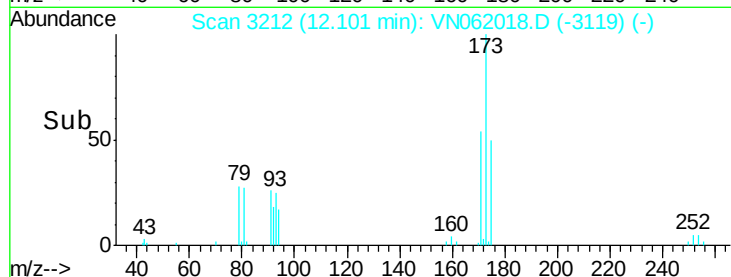
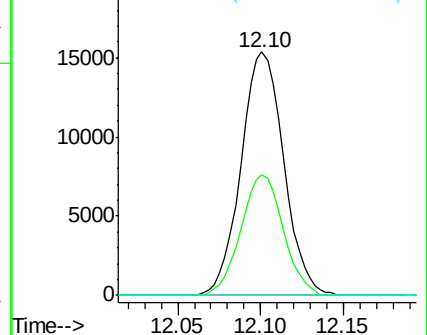
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN062018.D

Acq: 22 Jun 2020 23:56

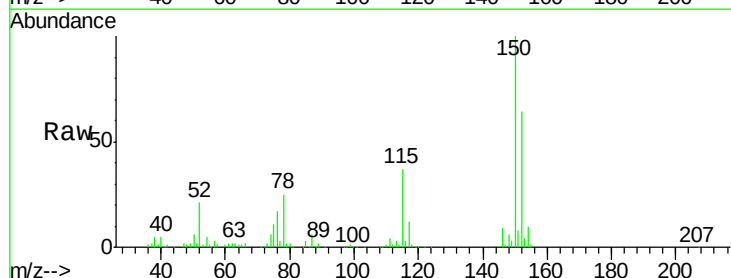
Tgt Ion:152 Resp: 120505

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.3

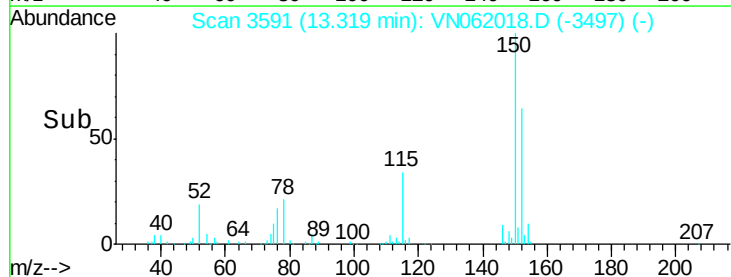
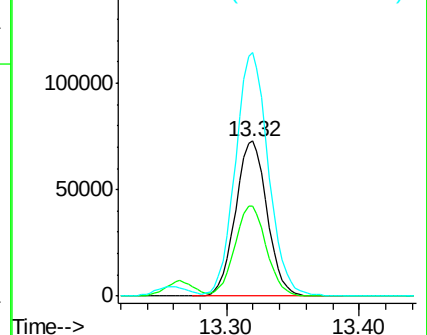
150 164.2 0.0 347.6

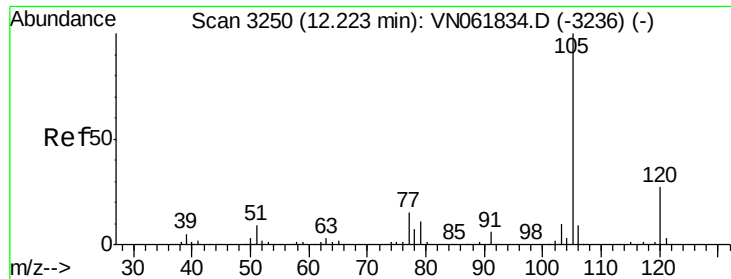


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





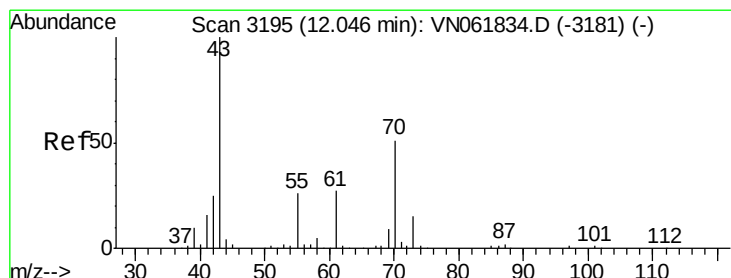
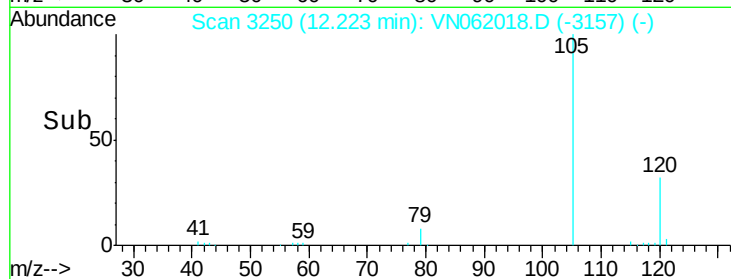
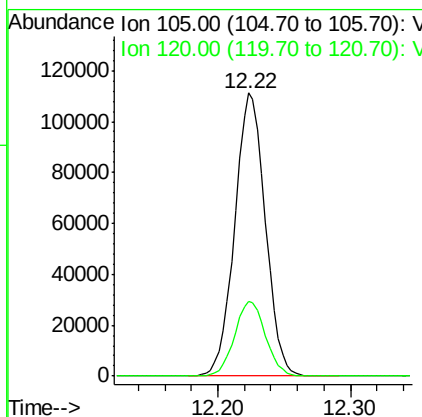
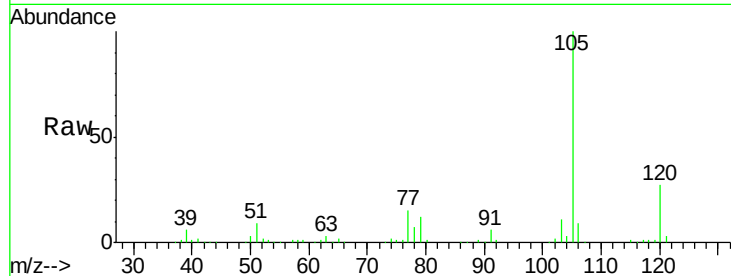
#73
Isopropylbenzene
Concen: 20.758 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.8

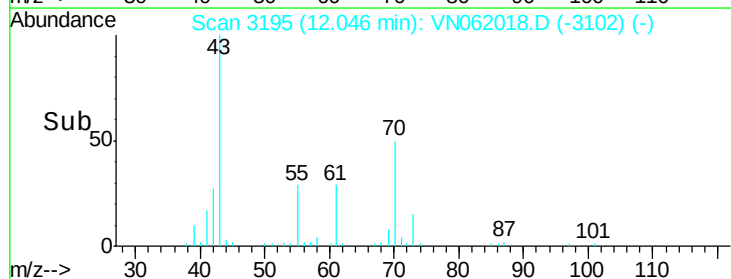
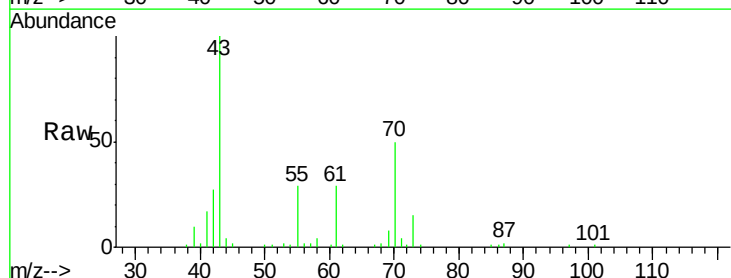
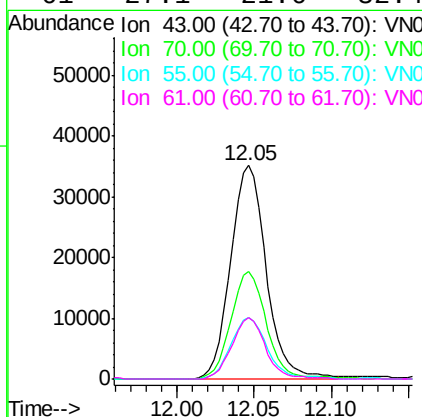
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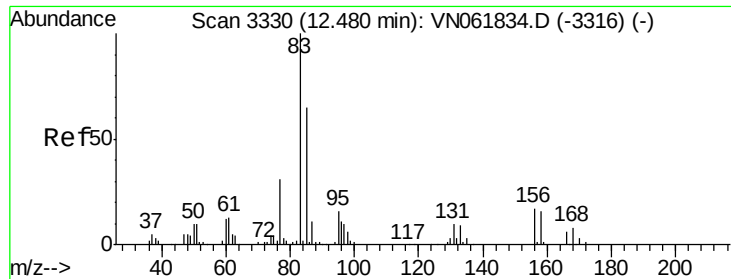
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#74
N-ethyl acetate
Concen: 20.087 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.4	40.6	60.8
55	29.3	21.5	32.3
61	27.1	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.130 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

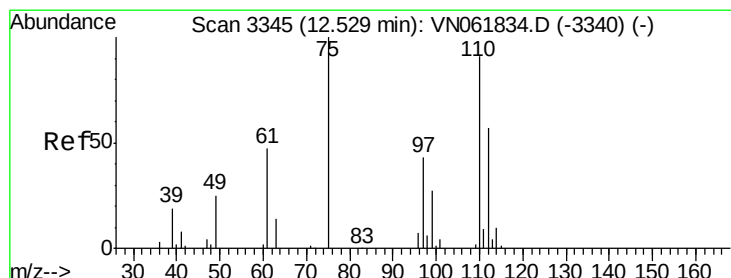
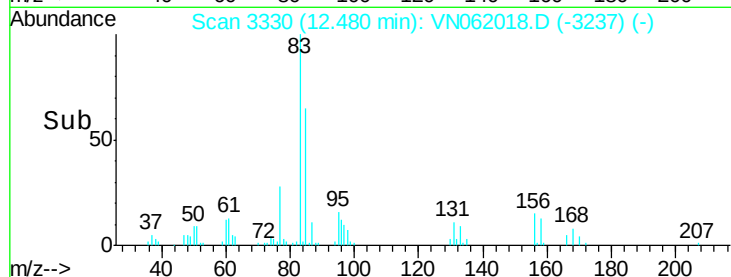
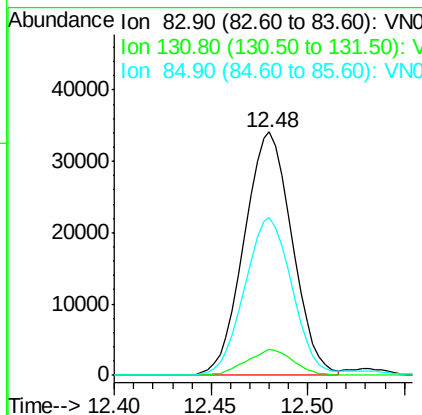
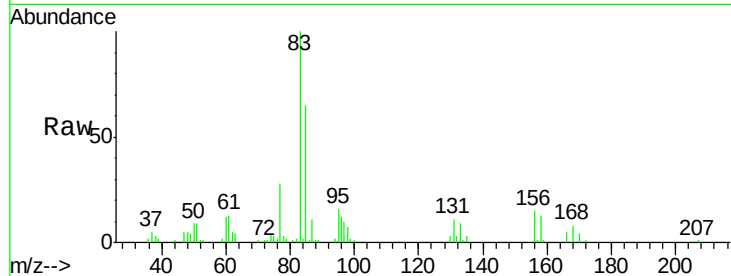
ClientSampleId :

VN0622WBSD02

Tot Ion:	83	Resp:	58828
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.611 ug/l m

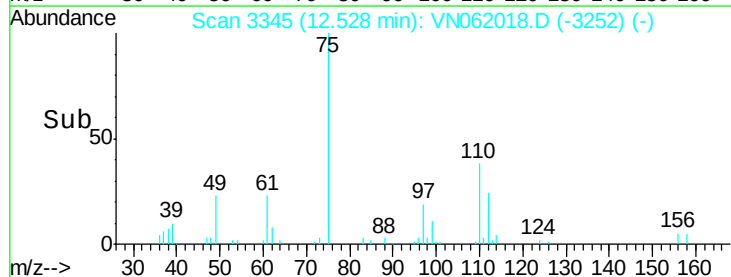
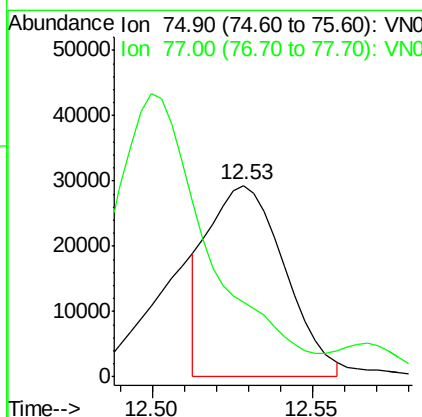
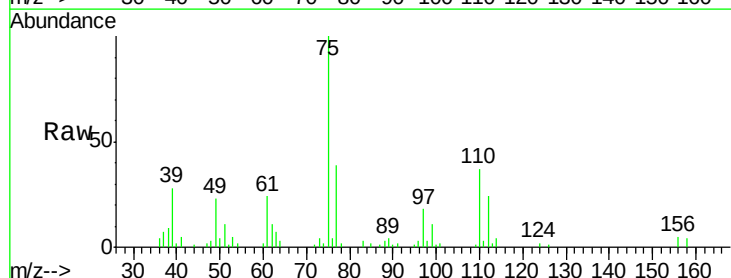
RT: 12.53 min Scan# 3345

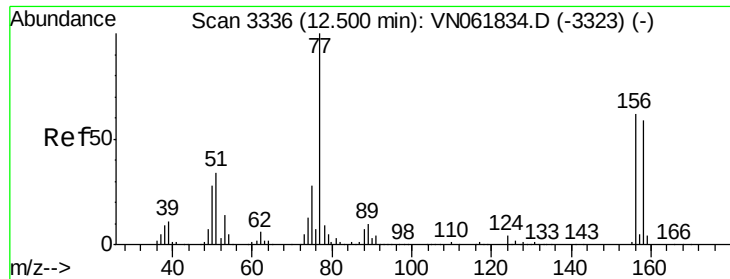
Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	75	Resp:	48761
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





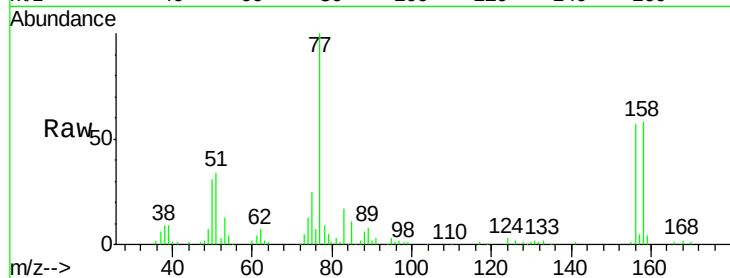
#77
Bromobenzene
Concen: 20.054 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

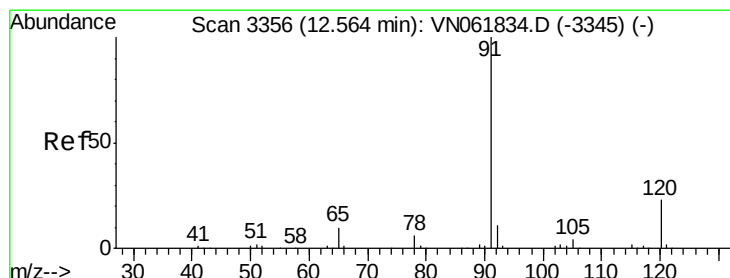
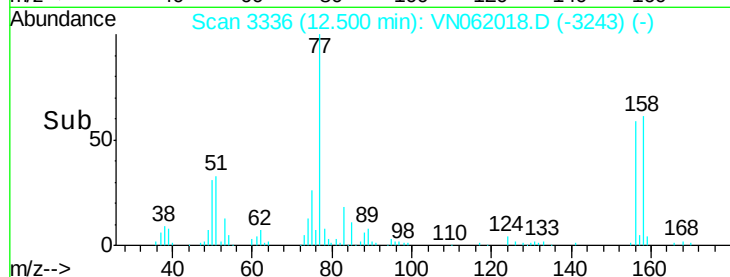
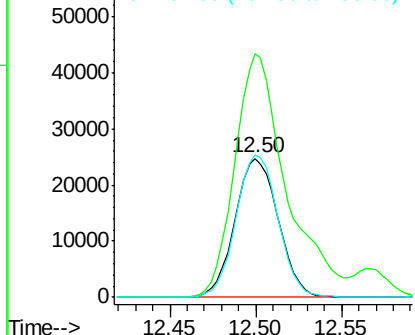
Tot Ion	Ratio	Lower	Upper
156	100		
77	208.7	100.7	302.1
158	99.7	48.5	145.5

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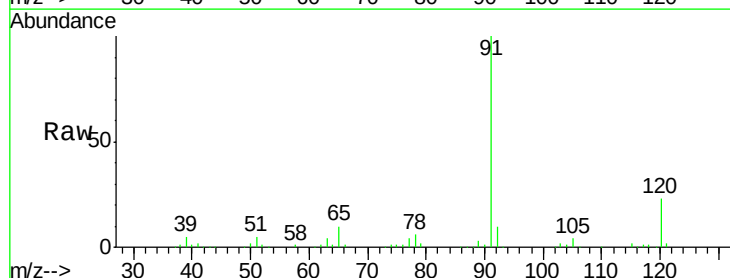


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

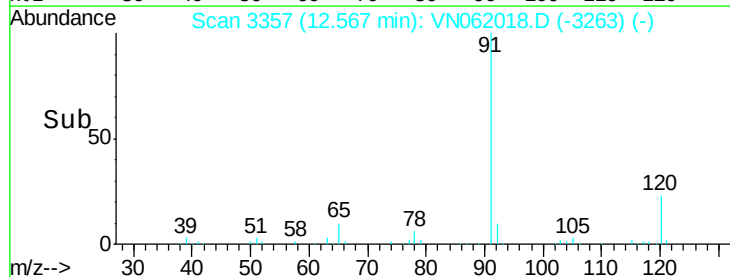
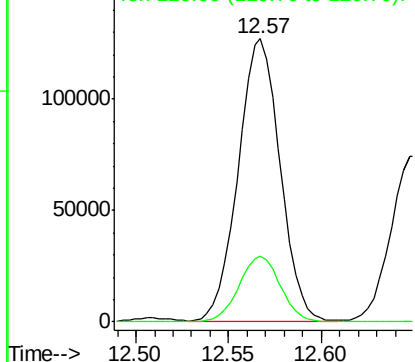


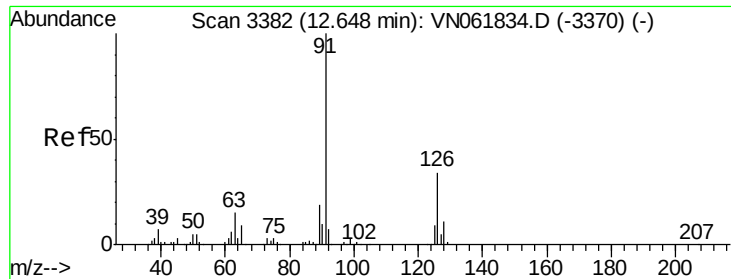
#78
n-propylbenzene
Concen: 20.293 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.6	34.8



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





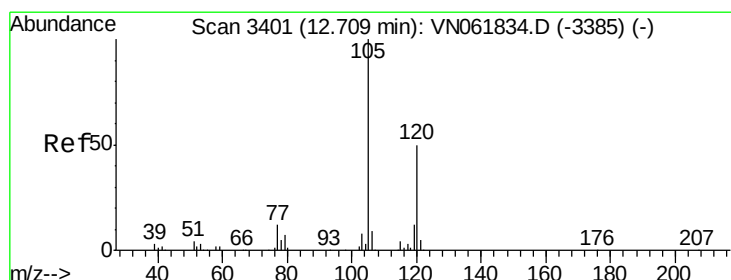
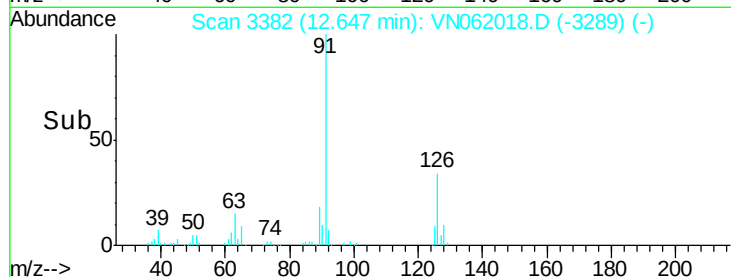
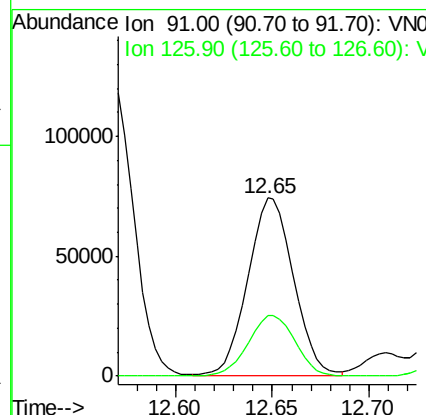
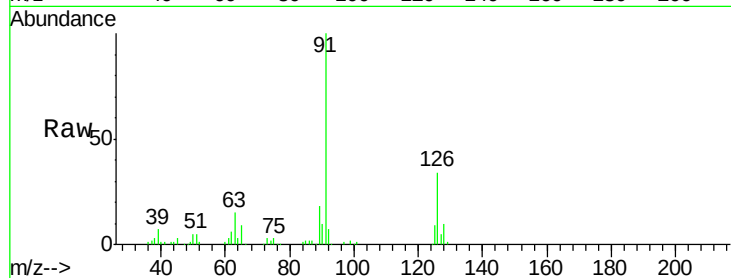
#79
2-Chlorotoluene
Concen: 20.621 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Instrument :
MSVOA_N
ClientSampleId :
VN0622WBSD02

Tot Ion: 91 Resp: 121013
Ion Ratio Lower Upper
91 100
126 35.2 17.3 51.7

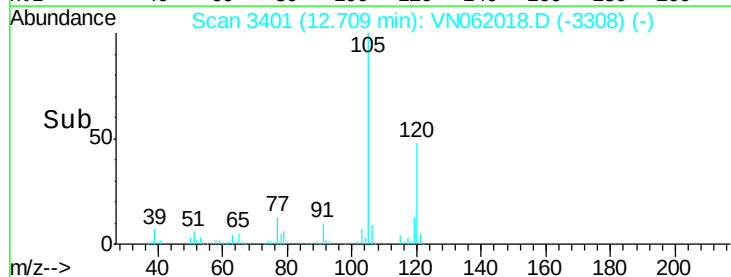
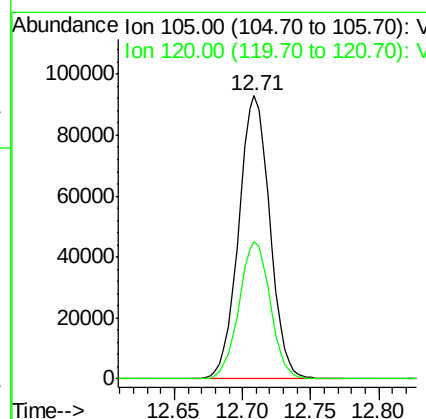
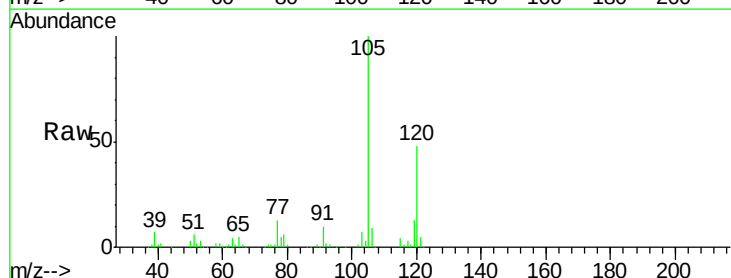
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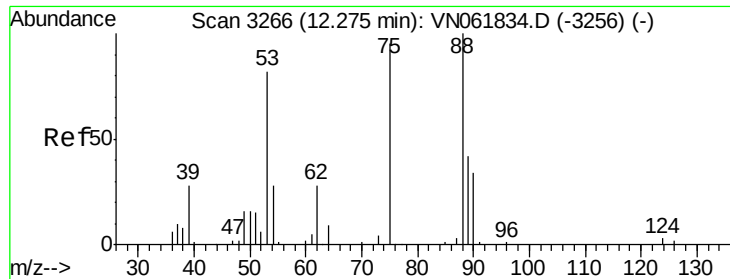
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#80
1,3,5-Trimethylbenzene
Concen: 20.747 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN062018.D
Acq: 22 Jun 2020 23:56

Tgt Ion: 105 Resp: 146983
Ion Ratio Lower Upper
105 100
120 48.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.181 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

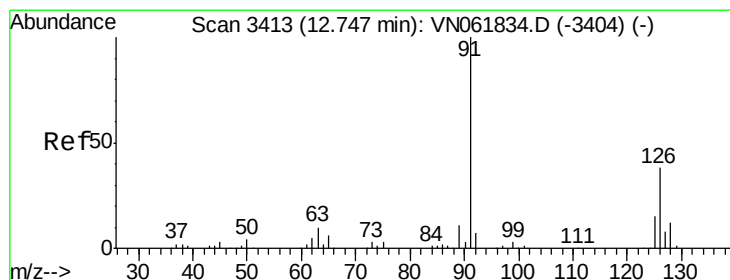
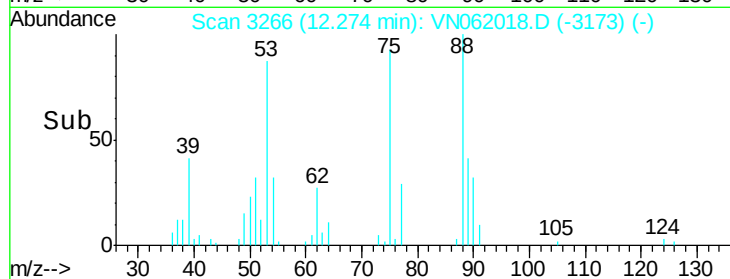
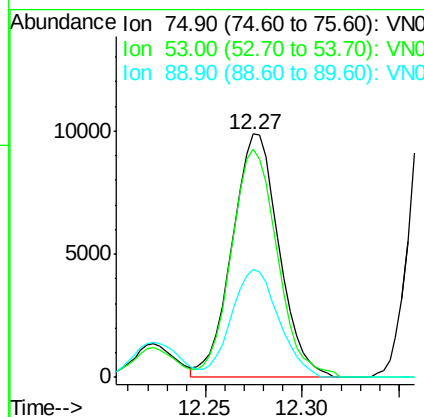
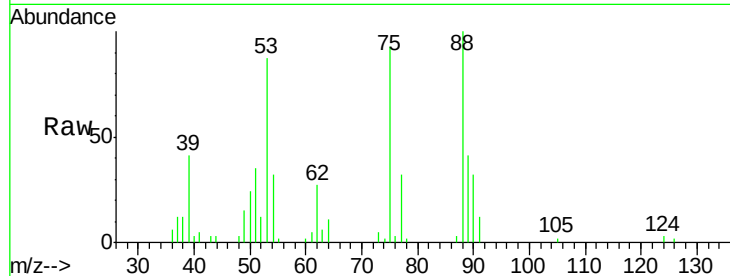
ClientSampleId :

VN0622WBSD02

Tot Ion:	75	Resp:	16638
Ion	Ratio	Lower	Upper
75	100		
53	92.0	70.4	105.6
89	45.0	36.0	54.0

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#82

4-Chlorotoluene

Concen: 20.368 ug/l

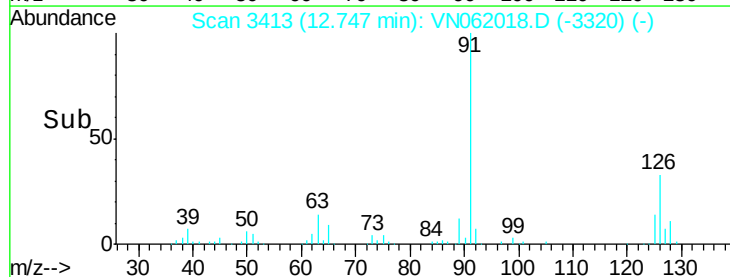
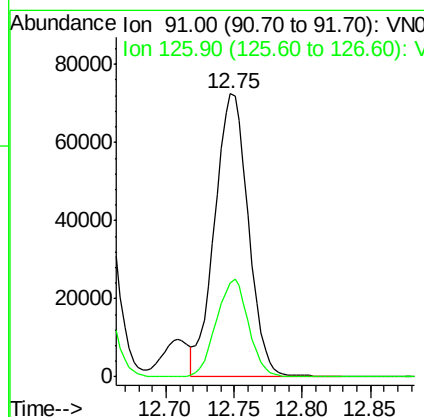
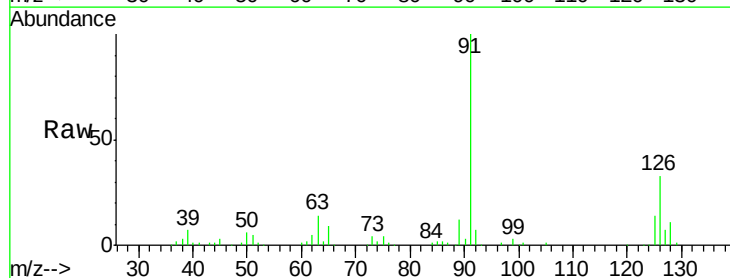
RT: 12.75 min Scan# 3413

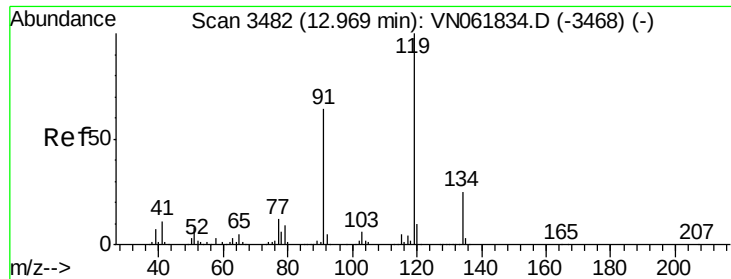
Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	91	Resp:	123507
Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.2	51.6





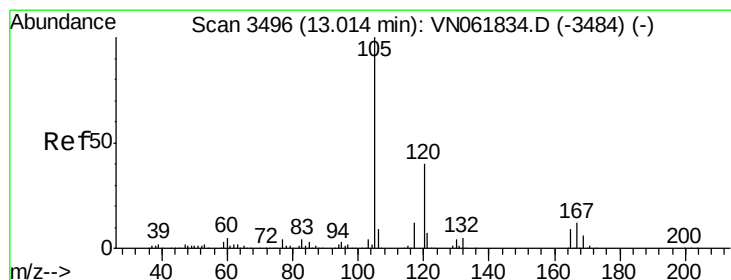
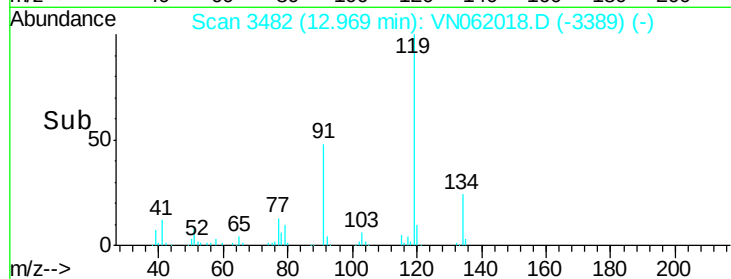
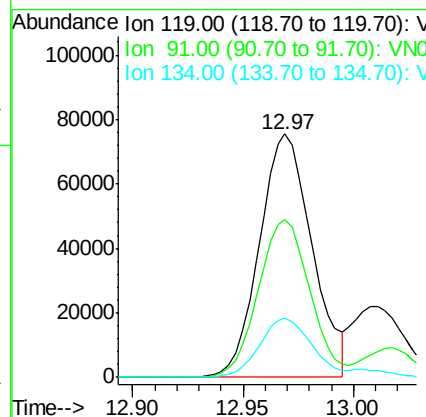
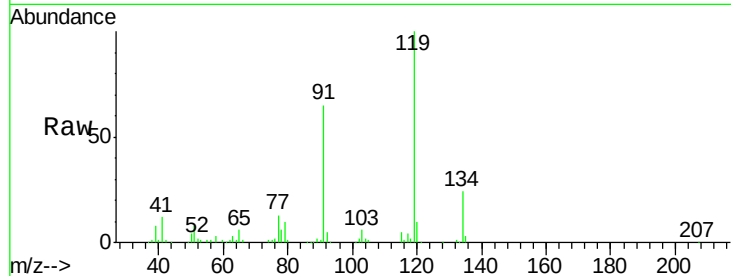
#83
 tert-Butylbenzene
 Concen: 20.837 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.5	94.5
134	24.2	13.3	39.9

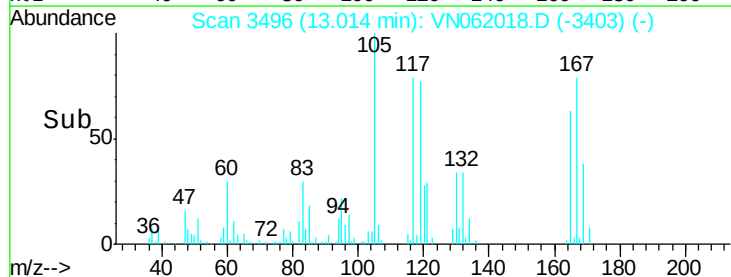
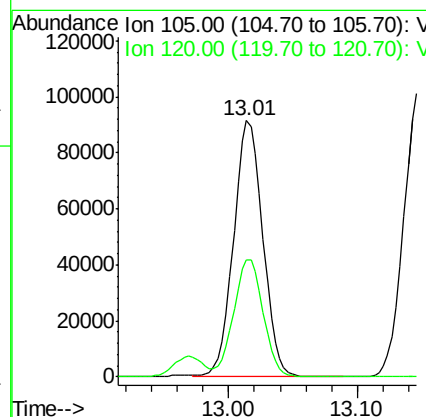
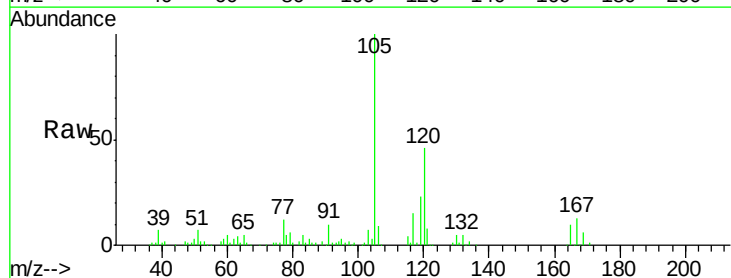
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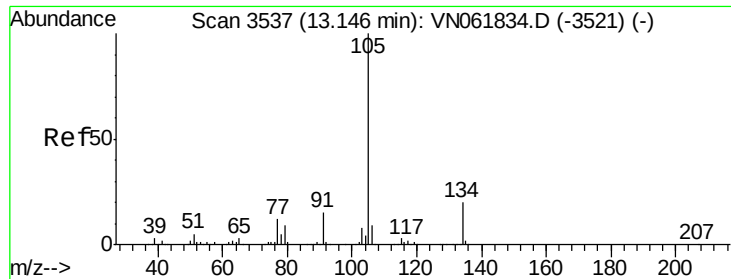
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.607 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.9





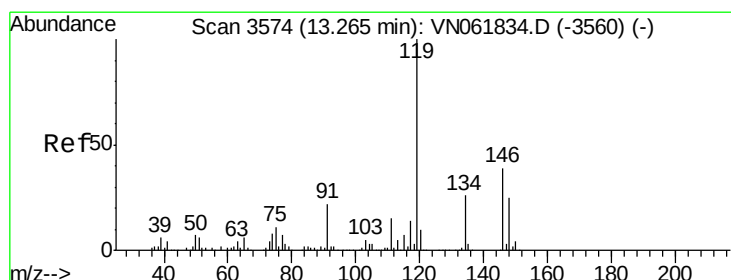
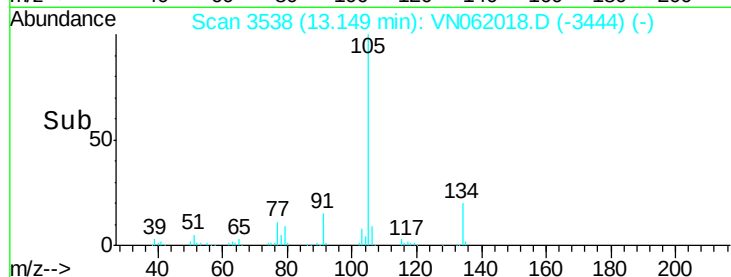
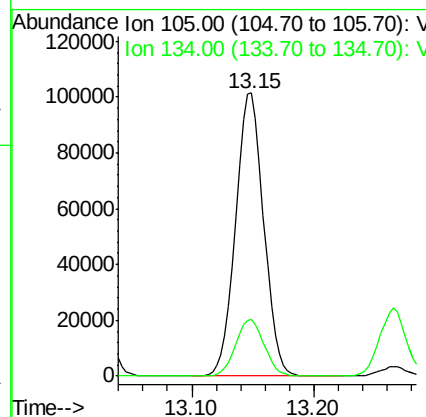
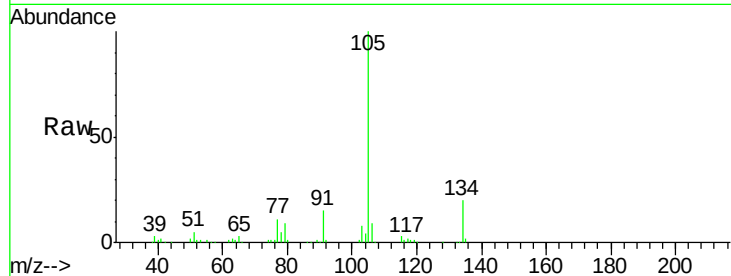
#85
 sec-Butylbenzene
 Concen: 20.683 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	162595		
134	20.2	10.1	30.1	

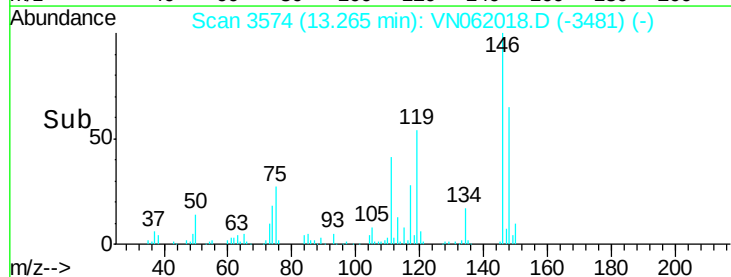
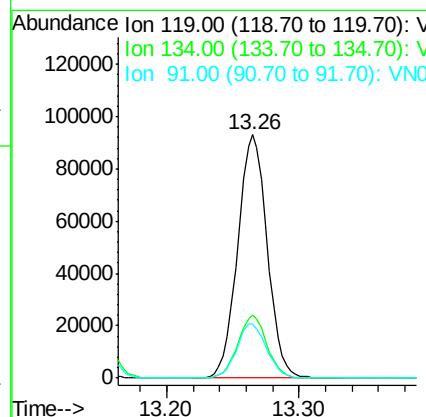
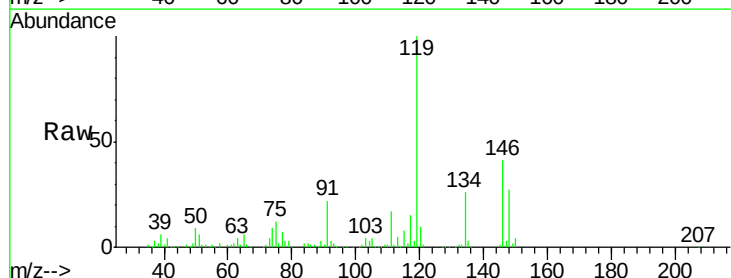
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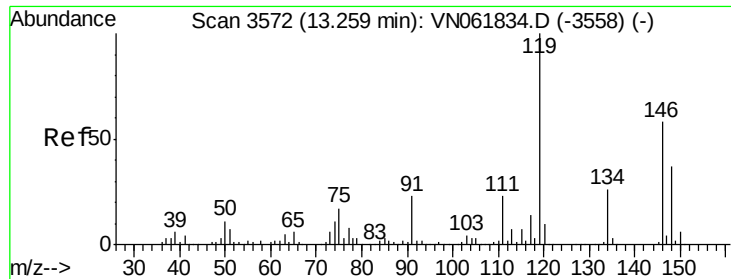
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#86
 p-Isopropyltoluene
 Concen: 20.381 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	142770		
134	25.5	13.3	39.9	
91	22.7	11.2	33.6	





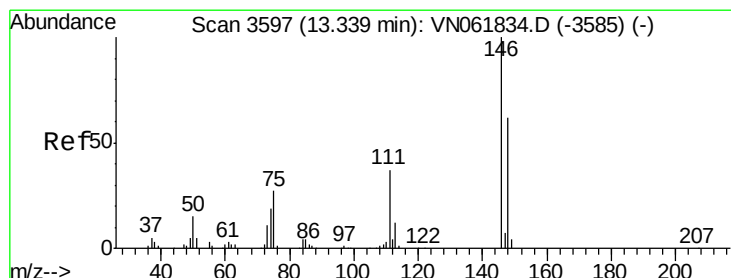
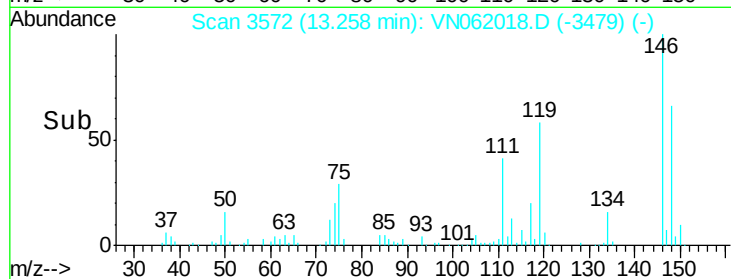
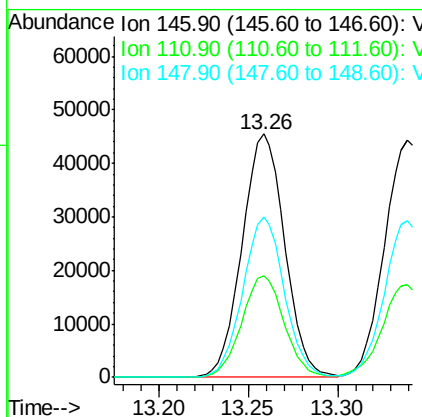
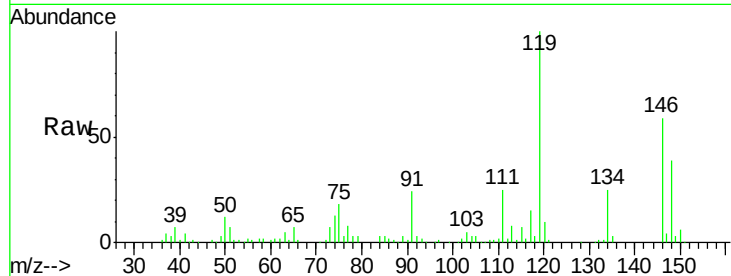
#87
 1,3-Dichlorobenzene
 Concen: 19.242 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.6	58.8
148	64.1	31.8	95.4

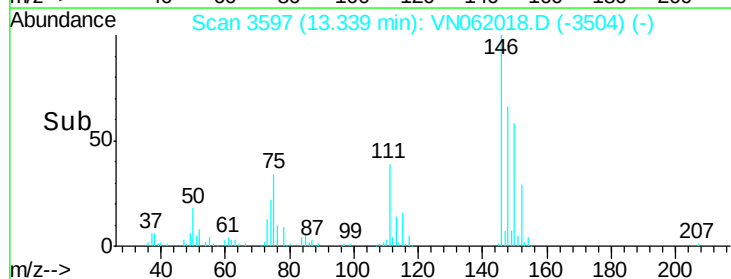
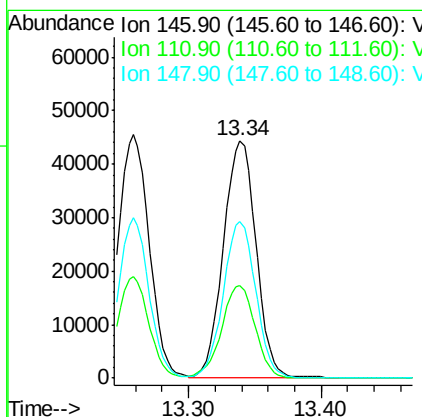
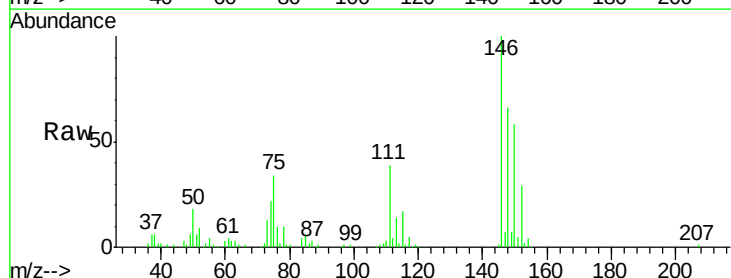
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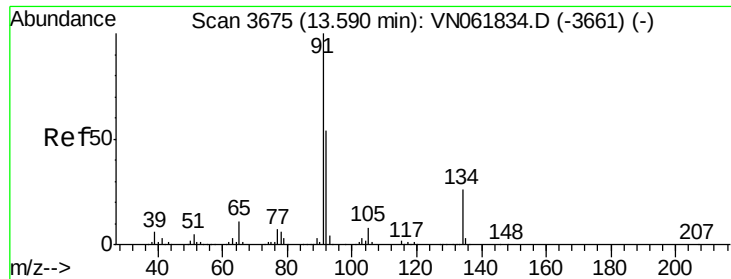
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#88
 1,4-Dichlorobenzene
 Concen: 18.876 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.3	57.8
148	65.5	31.6	94.7





#89

n-Butylbenzene

Concen: 18.906 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

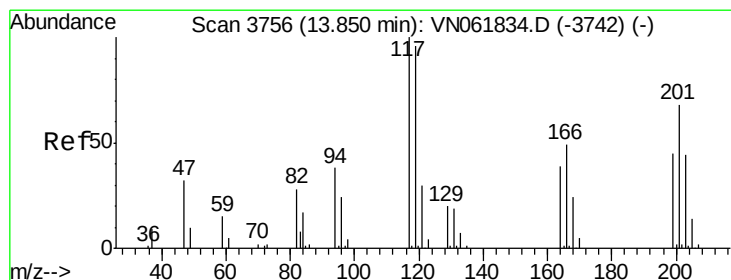
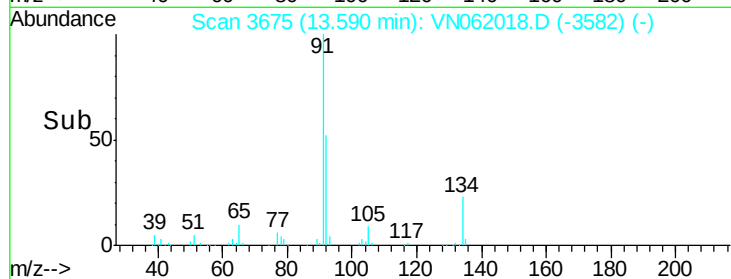
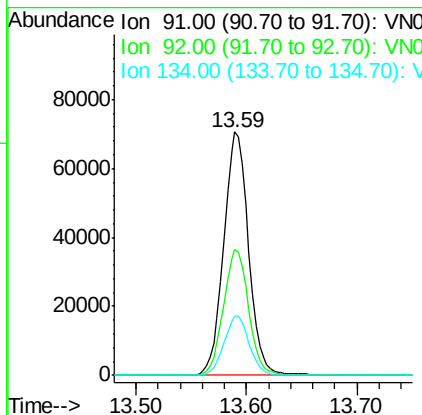
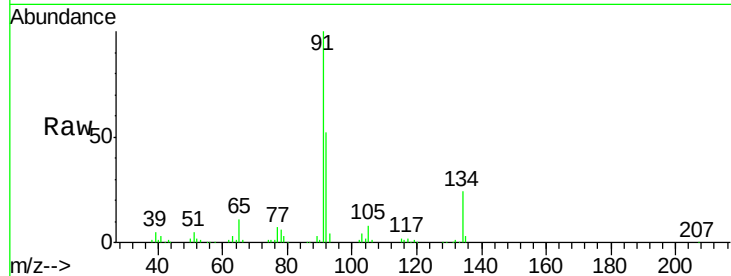
ClientSampleId :

VN0622WBSD02

Tot Ion:	91	Resp:	110603
Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.0	80.8
134	24.7	13.0	39.0

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#90

Hexachloroethane

Concen: 20.756 ug/l

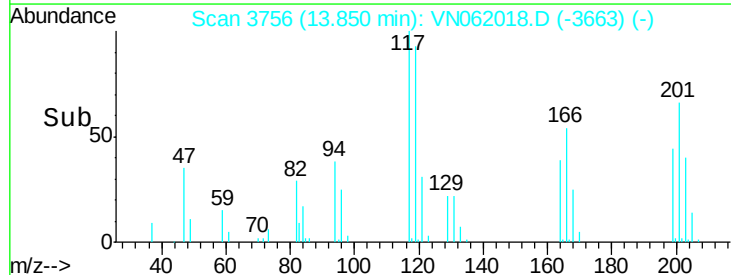
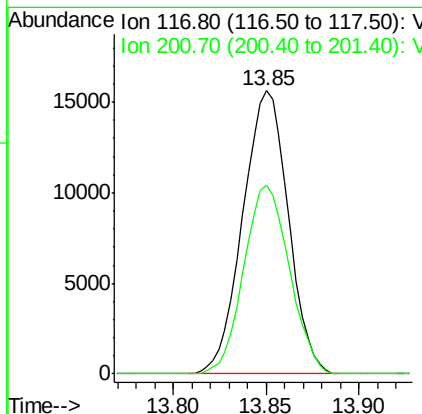
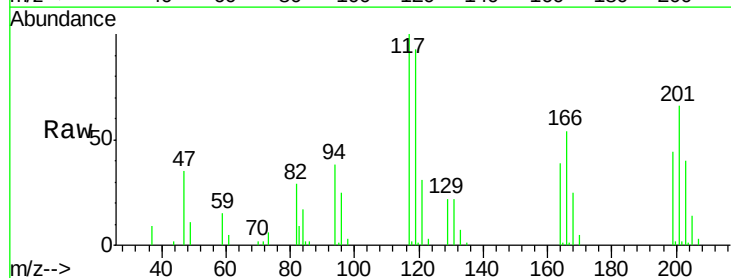
RT: 13.85 min Scan# 3756

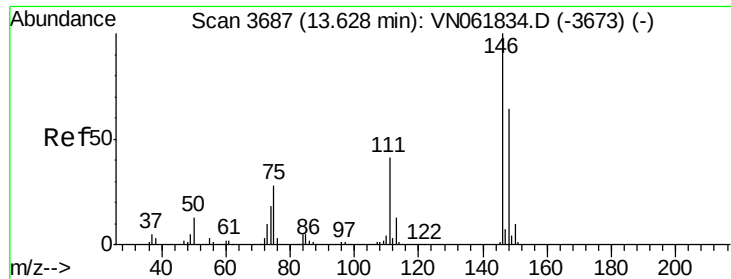
Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	117	Resp:	26615
Ion	Ratio	Lower	Upper
117	100		
201	66.7	34.6	103.8





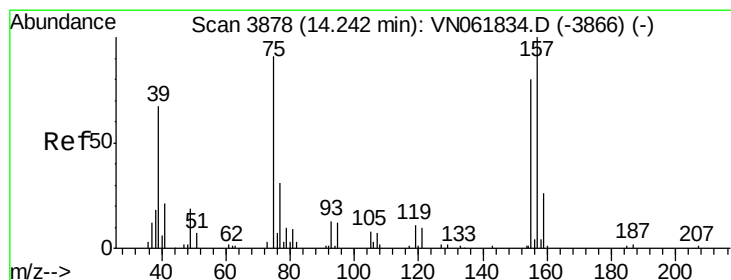
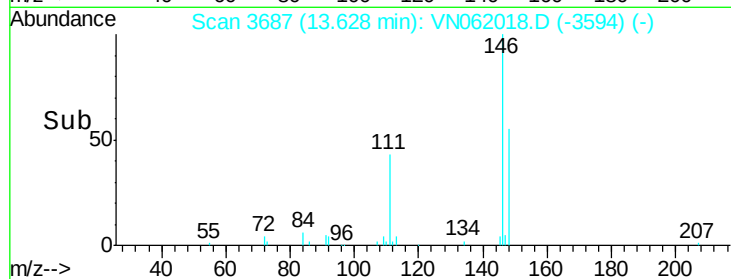
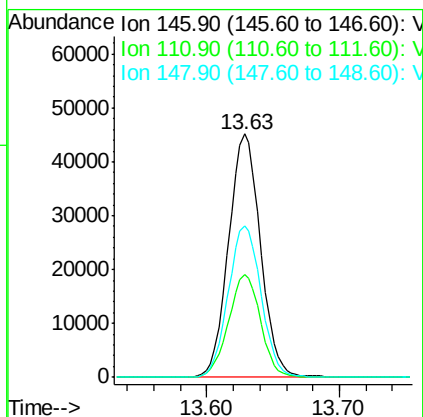
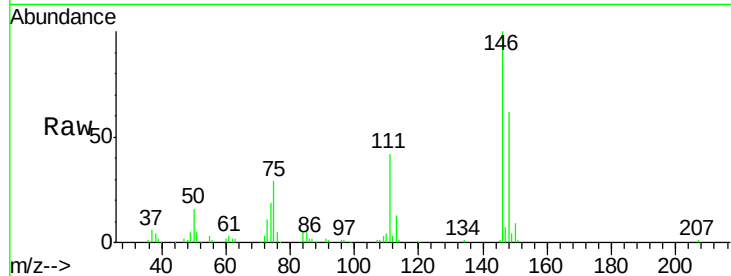
#91
 1,2-Dichlorobenzene
 Concen: 19.943 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.2
148	63.9	31.8	95.4

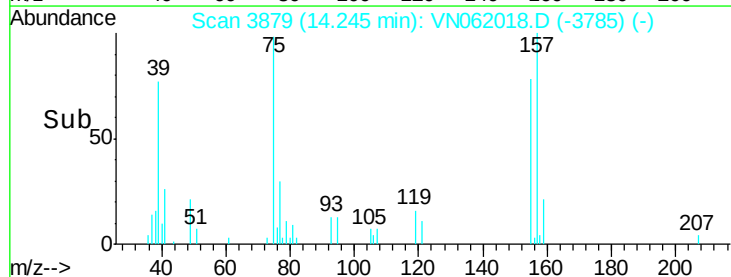
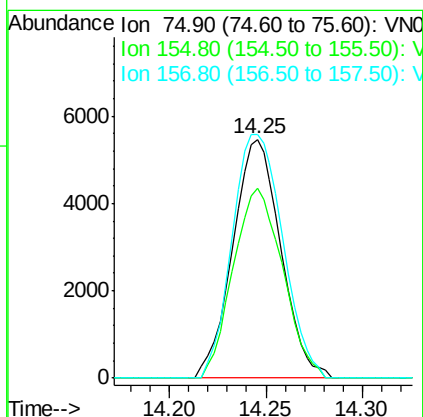
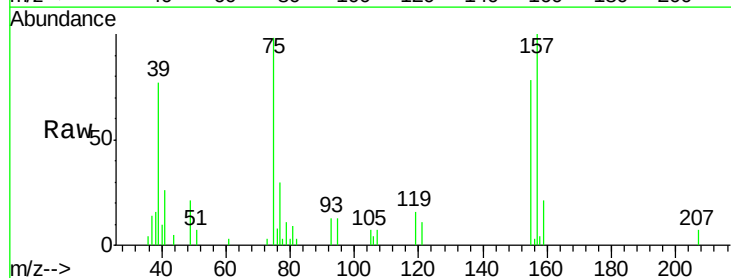
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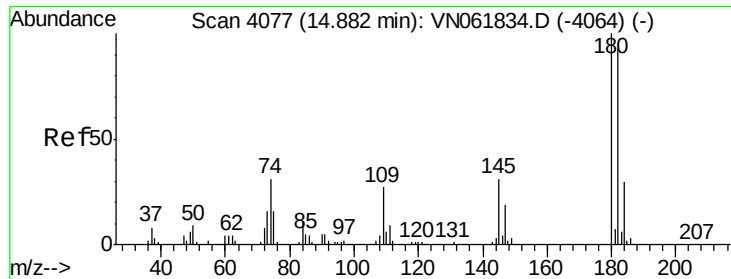
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.804 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	44.4	133.2
157	107.8	57.0	171.2





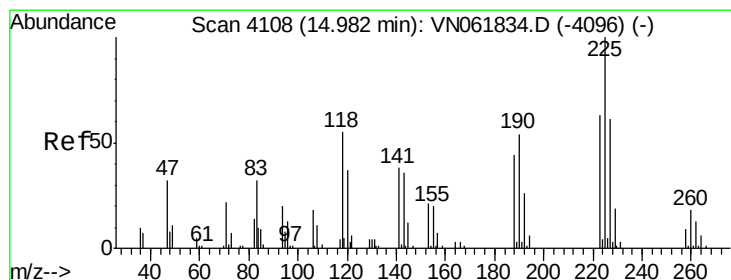
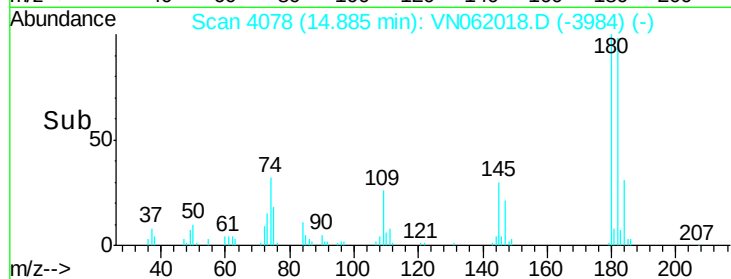
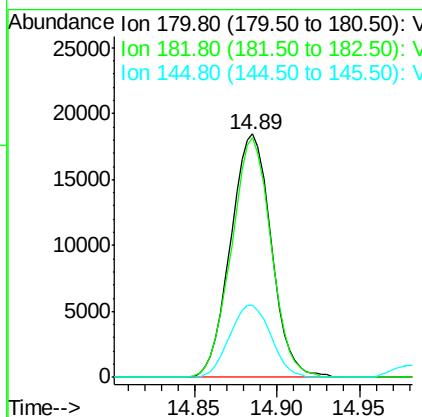
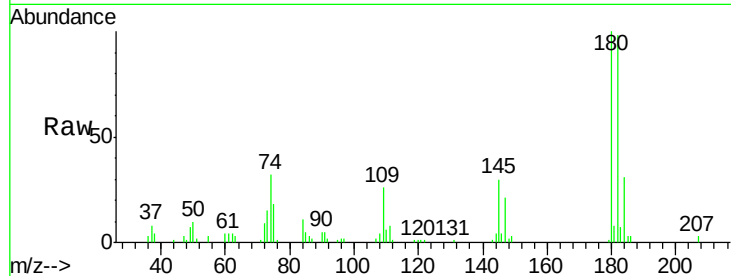
#93
 1,2,4-Trichlorobenzene
 Concen: 17.562 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.0	141.2
145	30.1	15.8	47.3

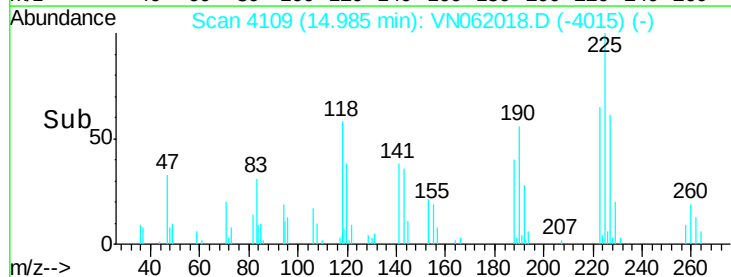
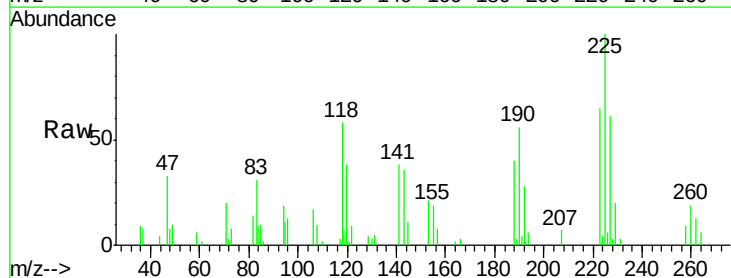
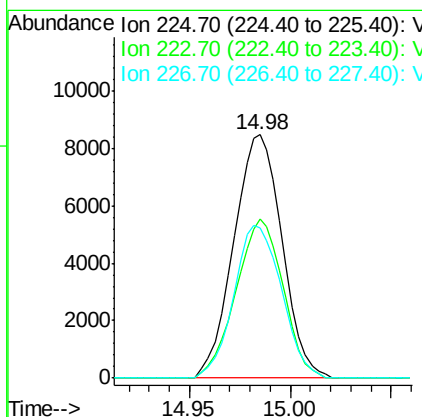
Manual Integrations
 APPROVED

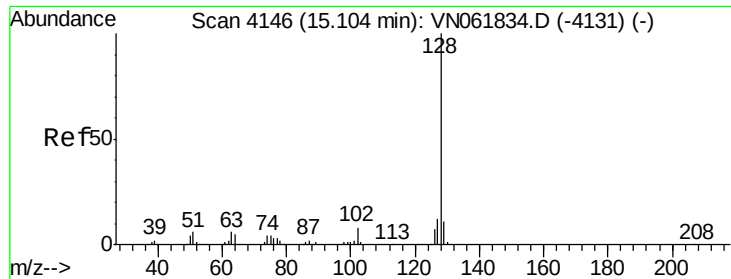
MMDadoda
 6/23/2020 12:47:19 PM



#94
 Hexachlorobutadiene
 Concen: 20.112 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062018.D
 Acq: 22 Jun 2020 23:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.7	95.1
227	62.1	30.1	90.3





#95

Naphthalene

Concen: 18.071 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Instrument :

MSVOA_N

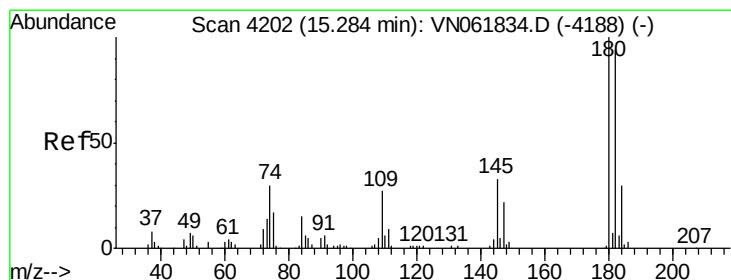
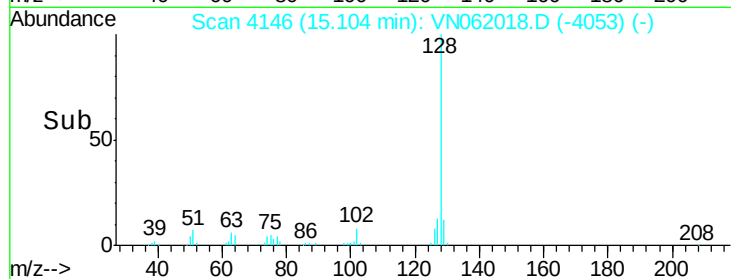
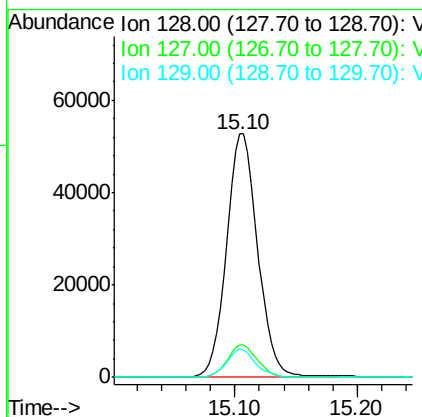
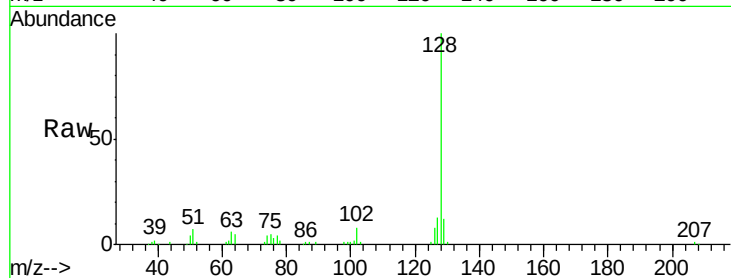
ClientSampleId :

VN0622WBSD02

Tot Ion:	128	Resp:	93993
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/23/2020 12:47:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.582 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062018.D

Acq: 22 Jun 2020 23:56

Tgt Ion:	180	Resp:	32940
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.9	143.6
145	32.6	16.5	49.5

