

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060820\
 Data File : VN061688.D
 Acq On : 8 Jun 2020 12:03
 Operator : JC/MD
 Sample : VN0608WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/9/2020 1:46:09 PM

Quant Time: Jun 09 03:31:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	398759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	632969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	592972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	290083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	224100	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.54	113	185114	57.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.30%	
50) Toluene-d8	10.06	98	775737	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.37	95	272963	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	83930	18.959	ug/l	98
3) Chloromethane	2.03	50	85809	17.643	ug/l	99
4) Vinyl Chloride	2.16	62	113622	17.048	ug/l	98
5) Bromomethane	2.54	94	74880	19.580	ug/l	99
6) Chloroethane	2.67	64	75806	17.671	ug/l	96
7) Trichlorofluoromethane	2.98	101	143910	16.744	ug/l	99
8) Diethyl Ether	3.37	74	46193	17.577	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	75298	19.743	ug/l	99
10) Methyl Iodide	3.91	142	100264	18.938	ug/l	99
11) Tert butyl alcohol	4.73	59	58869	93.157	ug/l	98
12) 1,1-Dichloroethene	3.70	96	72928	17.898	ug/l	93
13) Acrolein	3.56	56	14319	54.220	ug/l	99
14) Allyl chloride	4.27	41	87355	16.399	ug/l	96
15) Acrylonitrile	4.92	53	149437	84.722	ug/l	98
16) Acetone	3.77	43	125784	92.150	ug/l	98
17) Carbon Disulfide	4.01	76	171098	19.086	ug/l	100
18) Methyl Acetate	4.27	43	71901	16.718	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	238792	17.196	ug/l	99
20) Methylene Chloride	4.50	84	83870	18.320	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	82033	17.852	ug/l	93
22) Diisopropyl ether	5.90	45	208512	17.760	ug/l	97
23) Vinyl Acetate	5.84	43	755595	80.746	ug/l	98
24) 1,1-Dichloroethane	5.80	63	132534	17.802	ug/l	100
25) 2-Butanone	6.78	43	180731	80.267	ug/l	99
26) 2,2-Dichloropropane	6.77	77	124713	18.302	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	95980	18.446	ug/l	98
28) Bromochloromethane	7.15	49	58616	20.139	ug/l	97
29) Tetrahydrofuran	7.16	42	116364	78.373	ug/l	97
30) Chloroform	7.33	83	153740	18.665	ug/l	99
31) Cyclohexane	7.61	56	114197	17.055	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	135441	18.046	ug/l	99
36) 1,1-Dichloropropene	7.75	75	105359	18.803	ug/l	97
37) Ethyl Acetate	6.88	43	74327	16.469	ug/l	95
38) Carbon Tetrachloride	7.73	117	110007	20.353	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	123229	17.842	ug/l	96
40) Benzene	8.00	78	333157	19.270	ug/l	100
41) Methacrylonitrile	7.12	41	32949	15.935	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	107539	18.579	ug/l	99
43) Isopropyl Acetate	8.12	43	135190	16.650	ug/l	98
44) Trichloroethene	8.80	130	102033	19.203	ug/l	96
45) 1,2-Dichloropropane	9.08	63	80335	19.568	ug/l	97
46) Dibromomethane	9.17	93	58629	18.621	ug/l	95
47) Bromodichloromethane	9.36	83	120180	19.265	ug/l	99
48) Methyl methacrylate	9.17	41	56974	15.596	ug/l	95
49) 1,4-Dioxane	9.16	88	27095	478.760	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	387303	84.644	ug/l	98
52) Toluene	10.12	92	218549	19.367	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	125409	18.662	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	135832	18.799	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	87108	19.376	ug/l	98
56) Ethyl methacrylate	10.40	69	111346	17.730	ug/l	98
57) 1,3-Dichloropropane	10.68	76	137184	19.079	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	230689	85.956	ug/l	98
59) 2-Hexanone	10.72	43	272718	82.991	ug/l	100
60) Dibromochloromethane	10.87	129	98388	19.250	ug/l	99
61) 1,2-Dibromoethane	10.98	107	90731	19.350	ug/l	97
64) Tetrachloroethene	10.60	164	110261	19.754	ug/l	97
65) Chlorobenzene	11.40	112	241761	19.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	91028	19.834	ug/l	99
67) Ethyl Benzene	11.48	91	411807	19.330	ug/l	99
68) m/p-Xylenes	11.59	106	325560	38.542	ug/l	100
69) o-Xylene	11.92	106	154790	19.293	ug/l	99
70) Styrene	11.94	104	252490	19.004	ug/l	98
71) Bromoform	12.10	173	67481	19.081	ug/l #	100
73) Isopropylbenzene	12.22	105	411862	19.453	ug/l	99
74) N-amyl acetate	12.04	43	110082	16.510	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	108377	18.266	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	97273m	18.441	ug/l	
77) Bromobenzene	12.50	156	106147	19.641	ug/l	95
78) n-propylbenzene	12.56	91	450153	19.045	ug/l	100
79) 2-Chlorotoluene	12.65	91	267764	18.999	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	341695	19.309	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	34550	16.750	ug/l	100
82) 4-Chlorotoluene	12.75	91	276676	18.660	ug/l	99
83) tert-Butylbenzene	12.97	119	294294	18.822	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	339506	19.312	ug/l	98
85) sec-Butylbenzene	13.15	105	376462	18.685	ug/l	99
86) p-Isopropyltoluene	13.26	119	353647	19.060	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	189230	19.773	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	188143	19.298	ug/l	98
89) n-Butylbenzene	13.59	91	279519	17.986	ug/l	98
90) Hexachloroethane	13.85	117	49865	24.302	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	180248	19.708	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18470	15.264	ug/l	96

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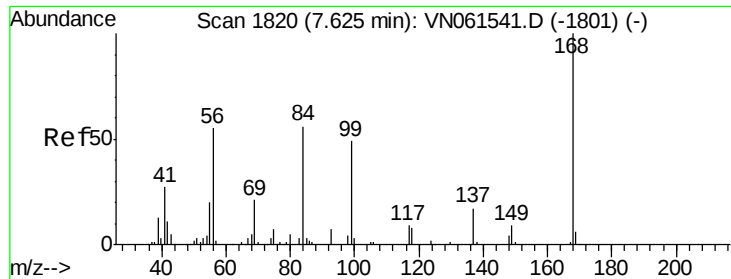
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	99049	18.518	ug/l	99
94) Hexachlorobutadiene	14.99	225	45496	19.944	ug/l	99
95) Naphthalene	15.10	128	268717	16.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	95760	18.209	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion:168 Resp: 398759

Ion Ratio Lower Upper

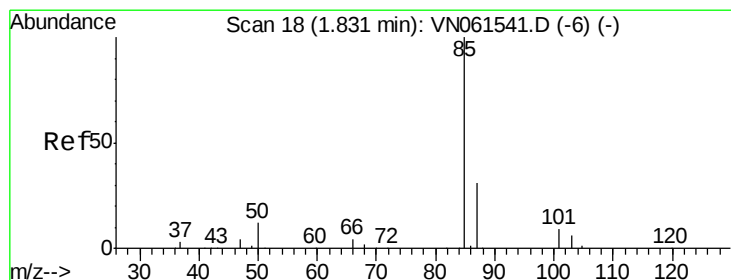
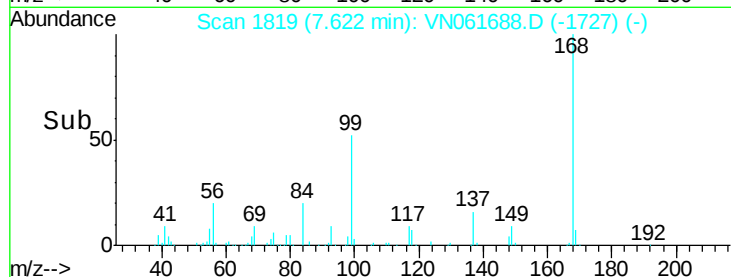
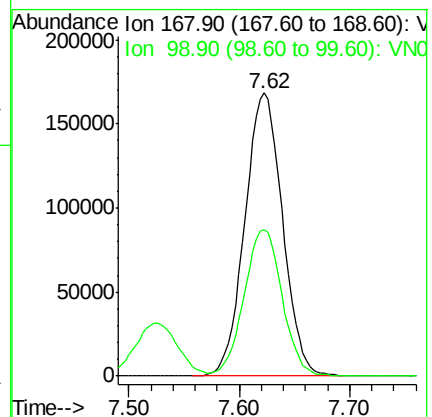
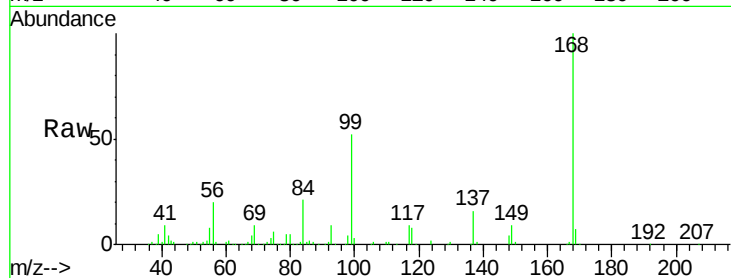
168 100

99 51.5 45.0 67.4

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.959 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061688.D

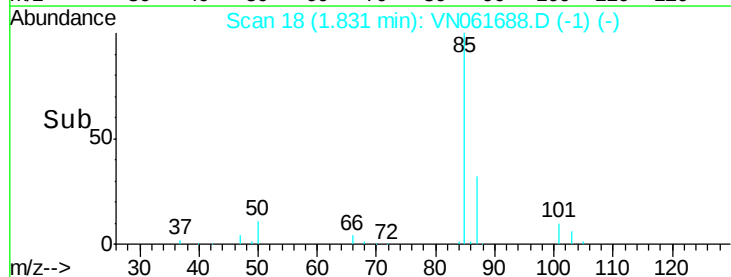
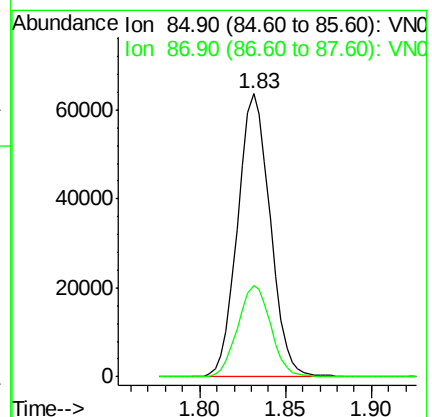
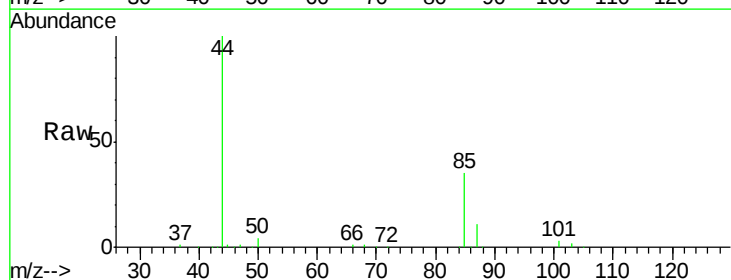
Acq: 8 Jun 2020 12:03

Tgt Ion: 85 Resp: 83930

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.8





#3

Chloromethane

Concen: 17.643 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 50 Resp: 85809

Ion Ratio Lower Upper

50 100

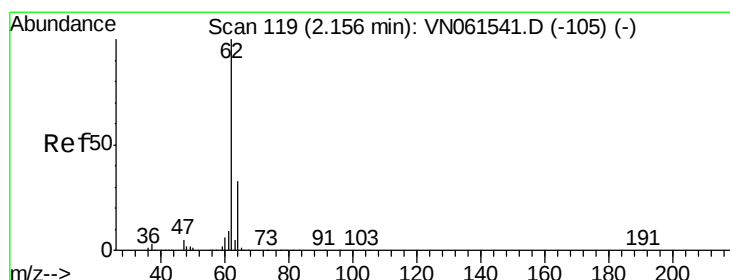
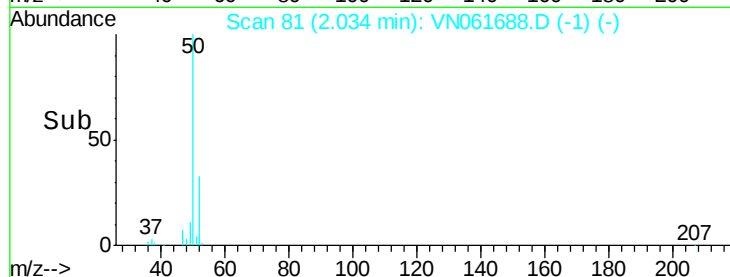
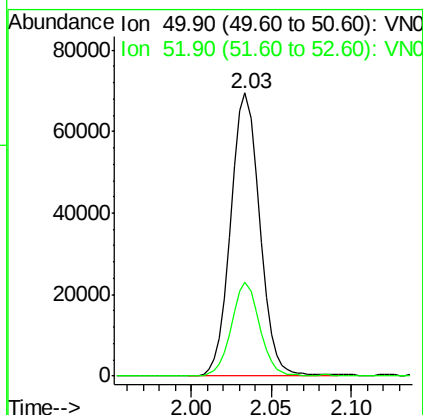
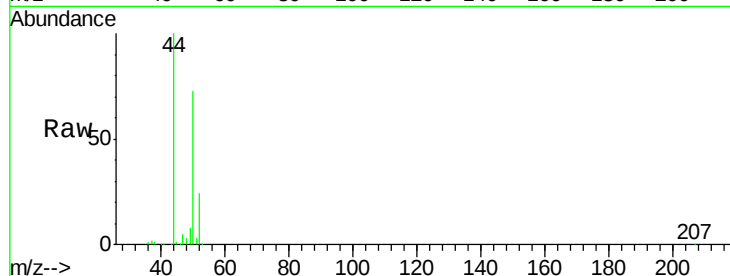
52 33.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.048 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061688.D

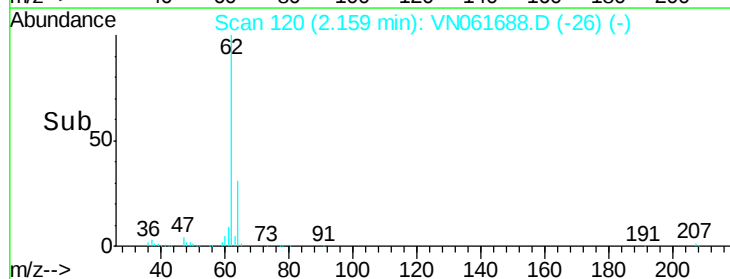
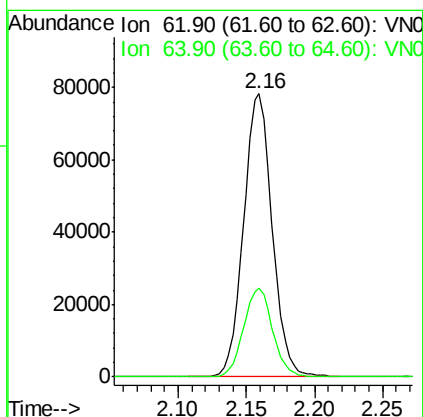
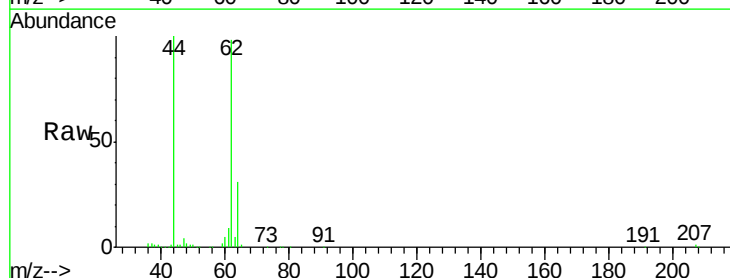
Acq: 8 Jun 2020 12:03

Tgt Ion: 62 Resp: 113622

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2





#5

Bromomethane

Concen: 19.580 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 94 Resp: 74880

Ion Ratio Lower Upper

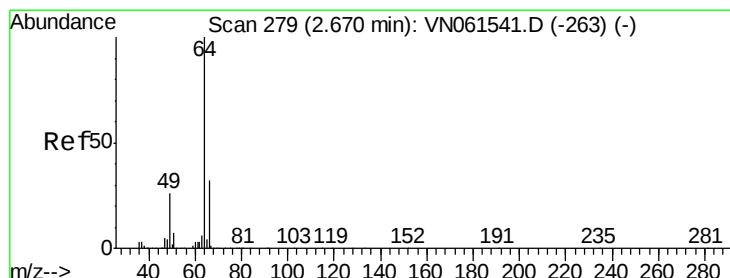
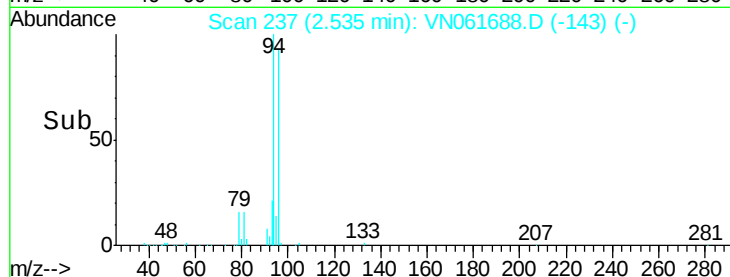
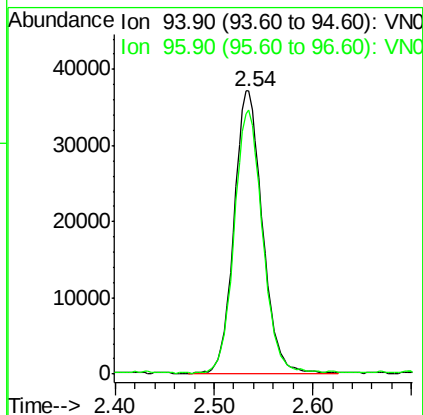
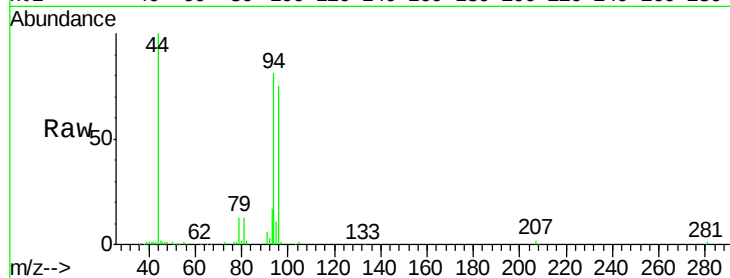
94 100

96 92.7 74.8 112.2

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#6

Chloroethane

Concen: 17.671 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061688.D

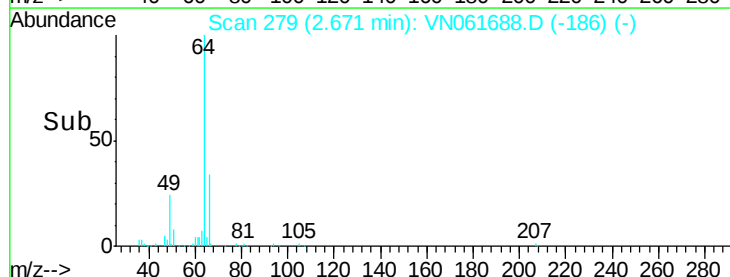
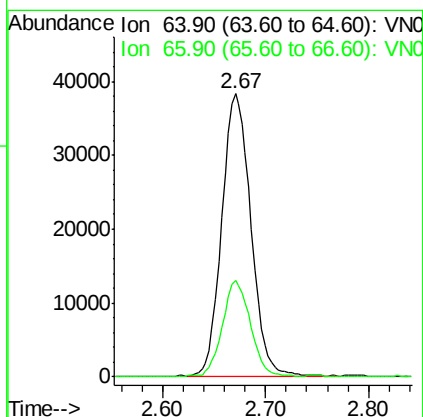
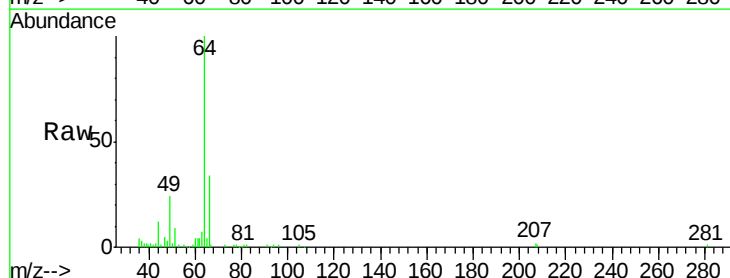
Acq: 8 Jun 2020 12:03

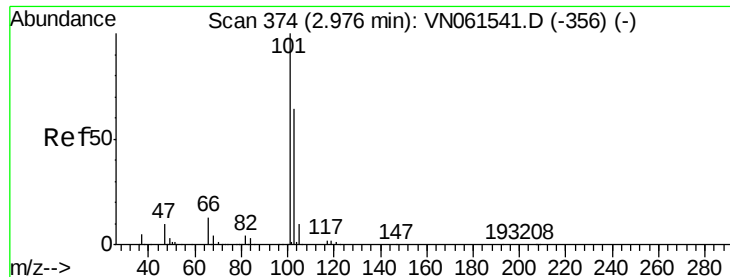
Tgt Ion: 64 Resp: 75806

Ion Ratio Lower Upper

64 100

66 34.2 25.6 38.4





#7

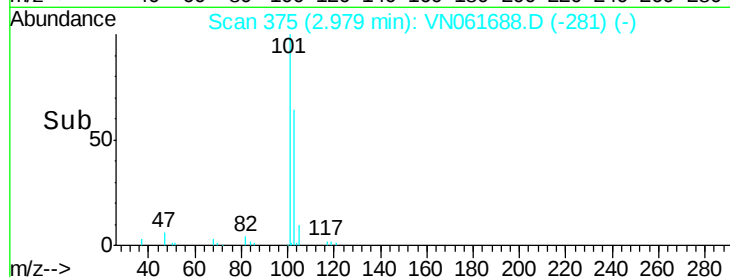
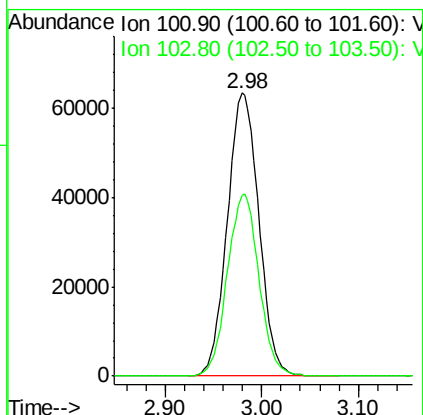
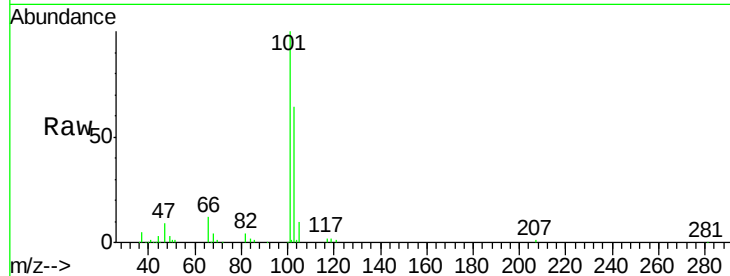
Trichlorofluoromethane
Concen: 16.744 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061688.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	143910		
103	63.7	51.4	77.2	

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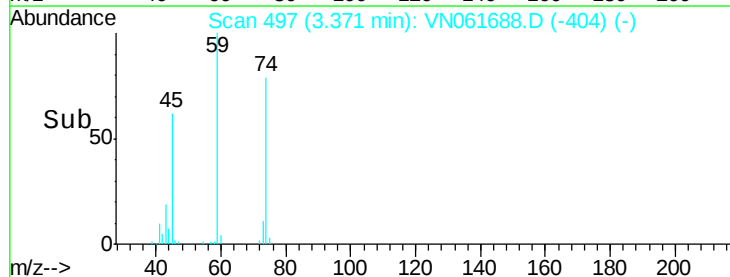
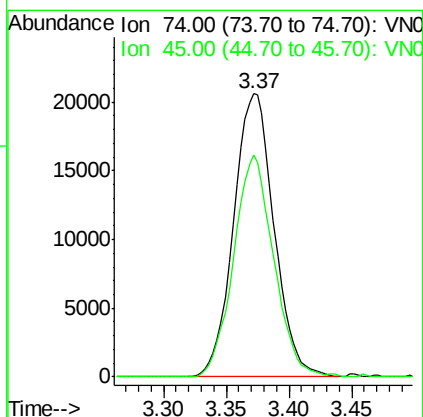
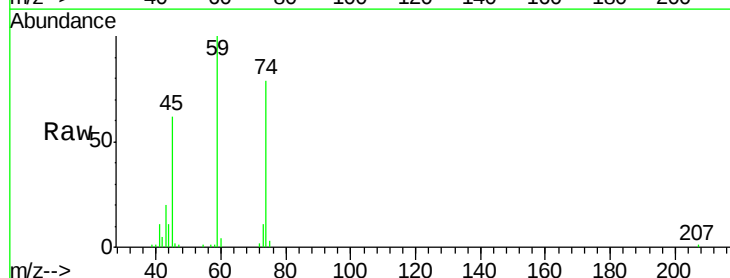
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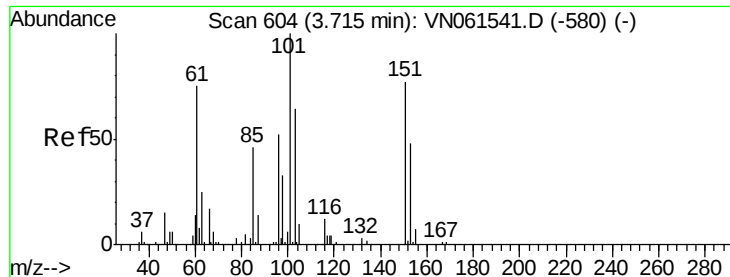


#8

Diethyl Ether
Concen: 17.577 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46193		
45	77.4	39.9	119.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.743 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

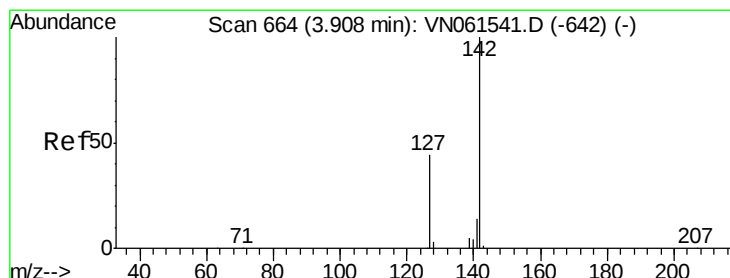
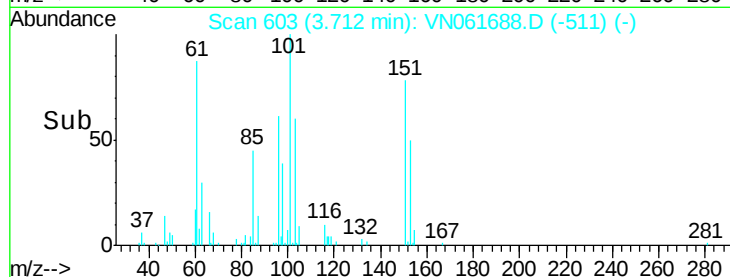
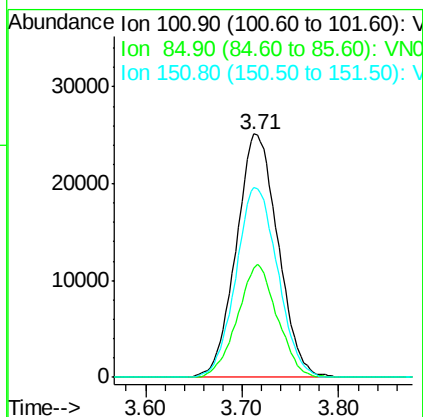
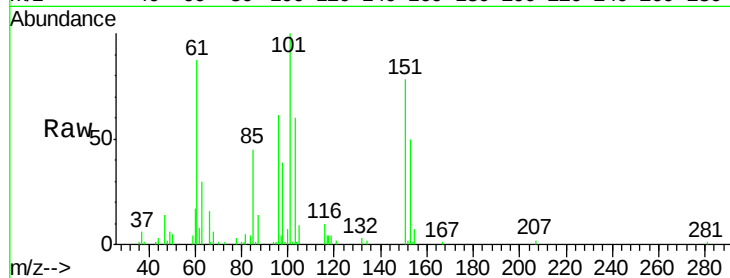
ClientSampleId :

VN0608WBS01

Tot Ion:	101	Resp:	75298
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.2	52.8
151	78.0	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.938 ug/l

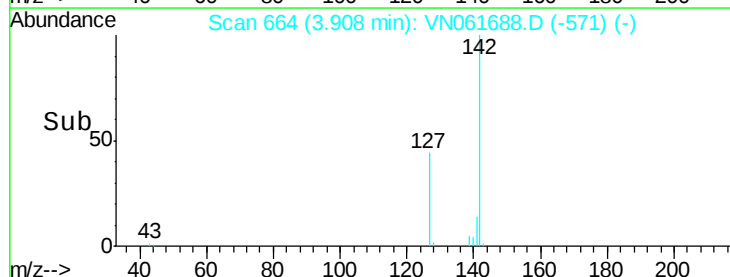
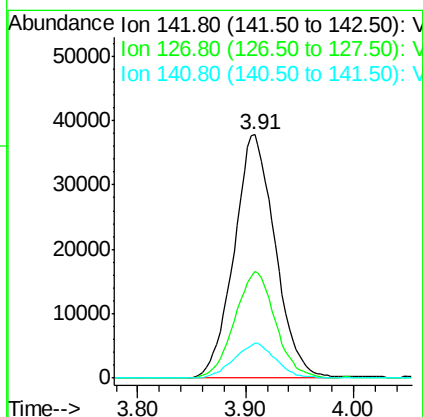
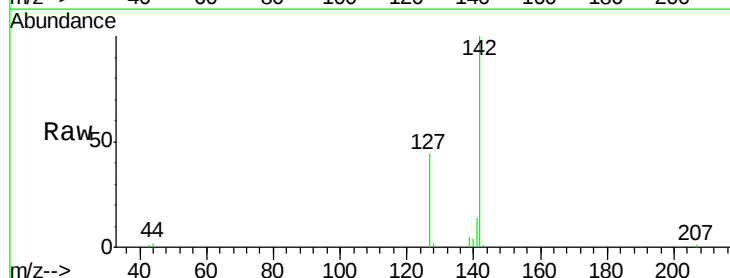
RT: 3.91 min Scan# 664

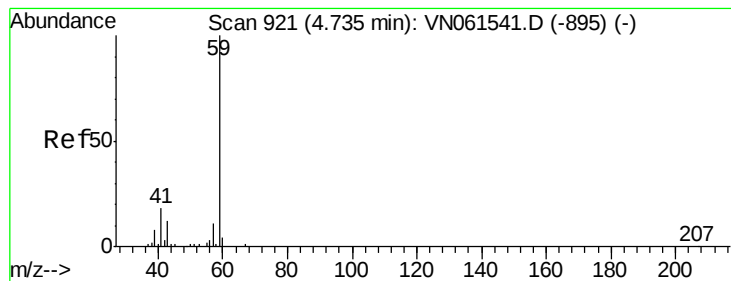
Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion:	142	Resp:	100264
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.5	53.3
141	14.3	11.5	17.3





#11

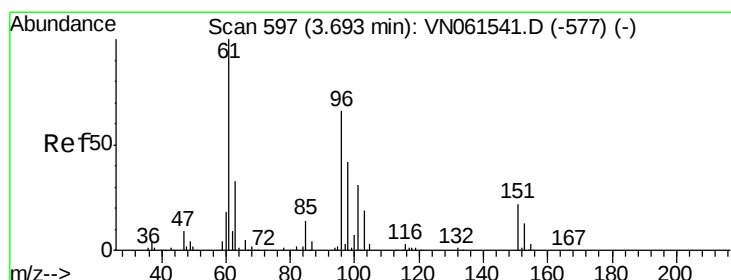
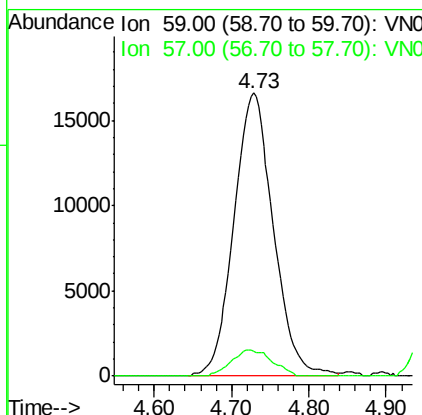
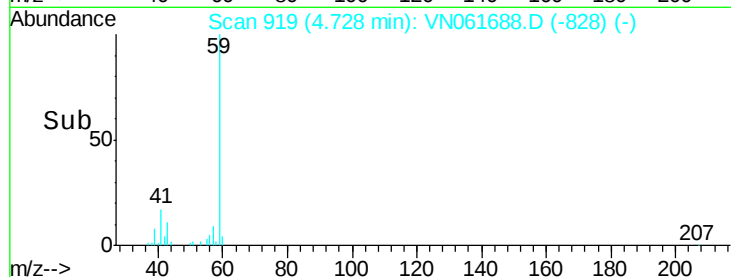
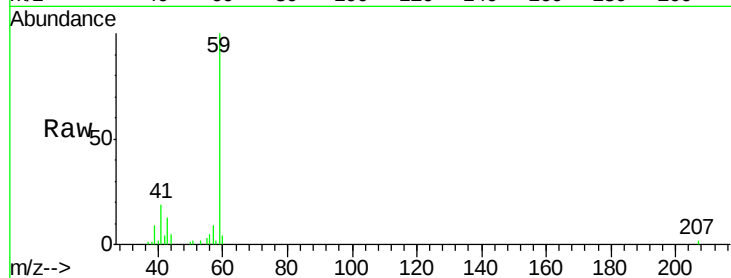
Tert butyl alcohol
Concen: 93.157 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	58869		
57	9.6		8.4	12.6

Manual Integrations
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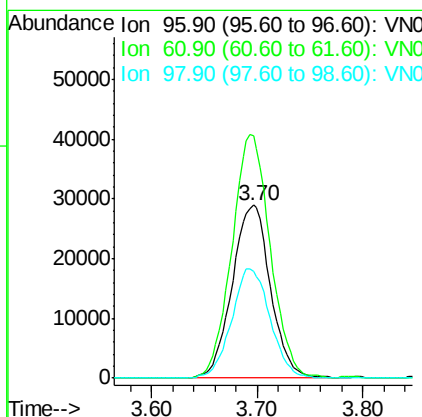
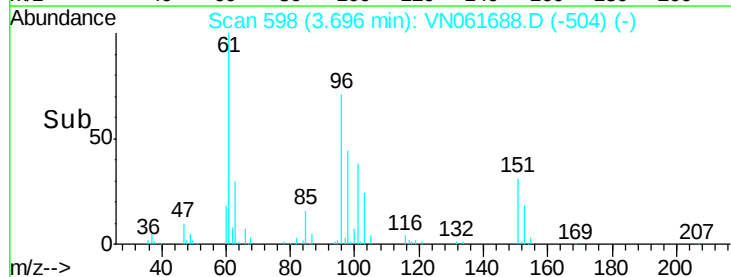
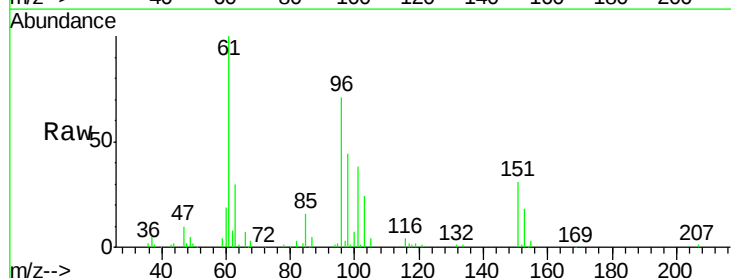
MMDadoda
6/9/2020 1:46:09 PM

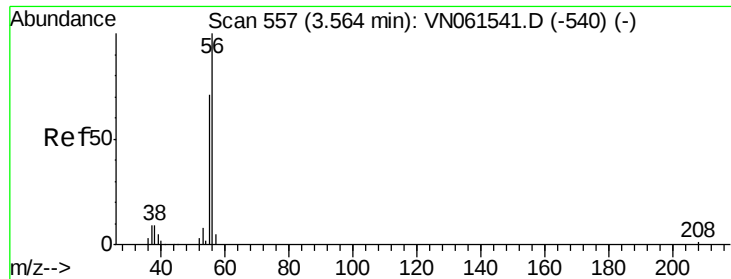


#12

1,1-Dichloroethene
Concen: 17.898 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	72928		
61	140.0		120.5	180.7
98	61.5		50.8	76.2





#13

Acrolein

Concen: 54.220 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 56 Resp: 14319

Ion Ratio Lower Upper

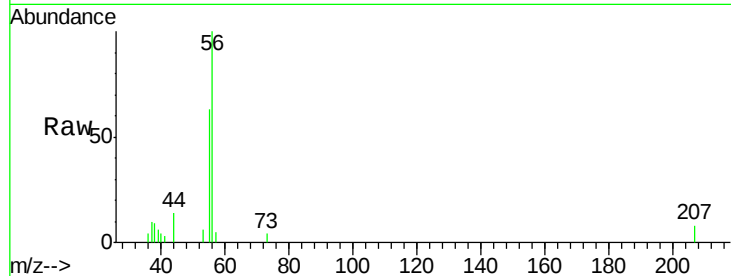
56 100

55 71.3 58.0 87.0

Manual Integrations
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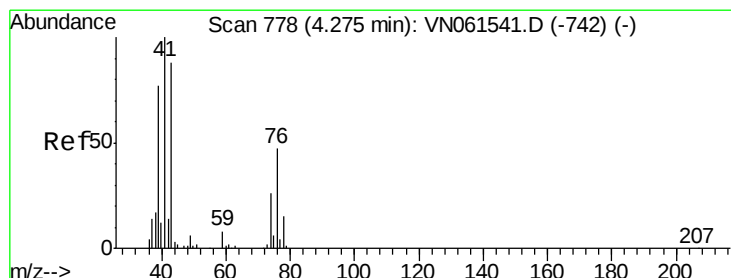
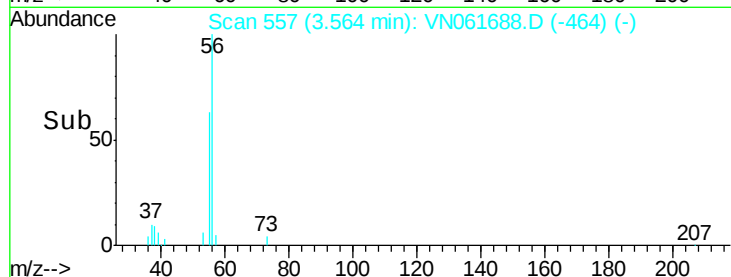
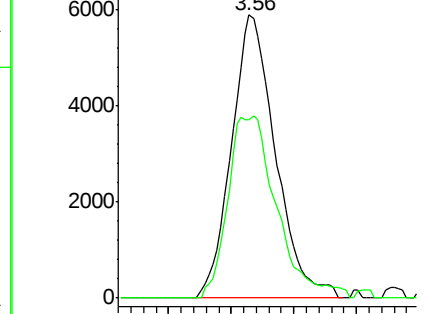
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061541.D (-540) (-)



#14

Allyl chloride

Concen: 16.399 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

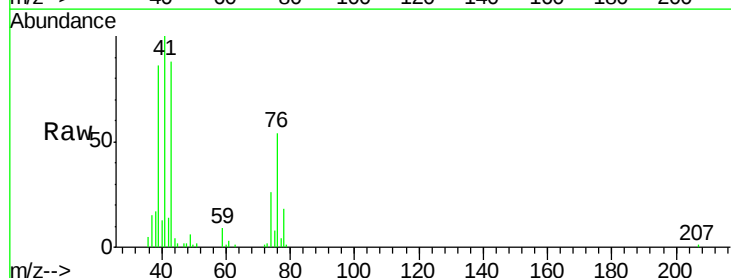
Tgt Ion: 41 Resp: 87355

Ion Ratio Lower Upper

41 100

39 75.2 58.6 88.0

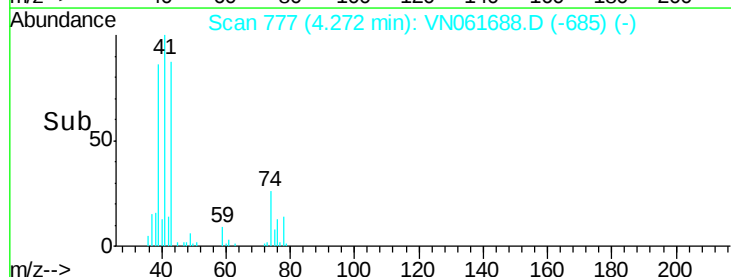
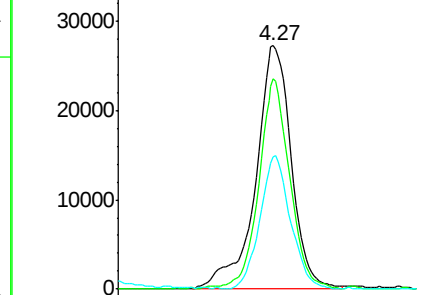
76 47.1 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-742) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-742) (-)

Ion 75.90 (75.60 to 76.60): VN061541.D (-742) (-)





#15

Acrylonitrile

Concen: 84.722 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

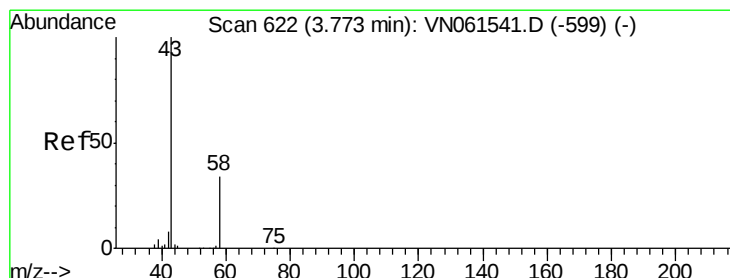
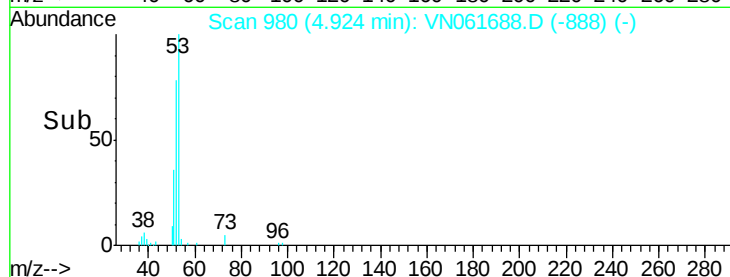
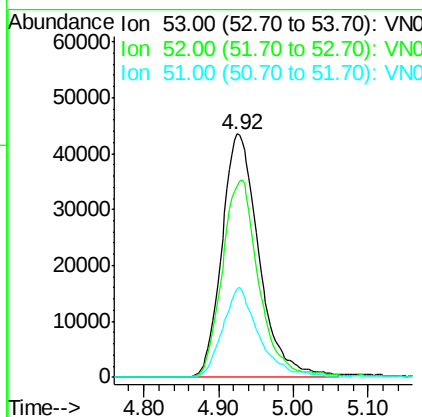
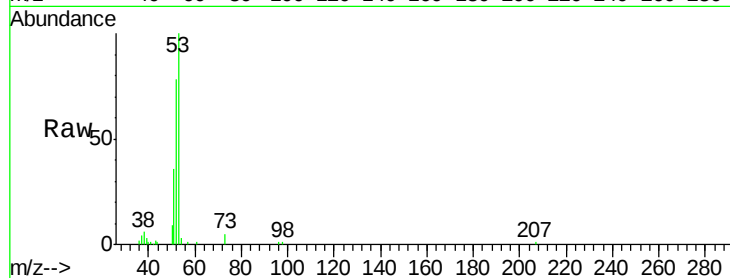
ClientSampleId :

VN0608WBS01

Tot Ion:	53	Resp:	149437
Ion Ratio		Lower	Upper
53	100		
52	80.1	65.4	98.2
51	35.1	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 92.150 ug/l

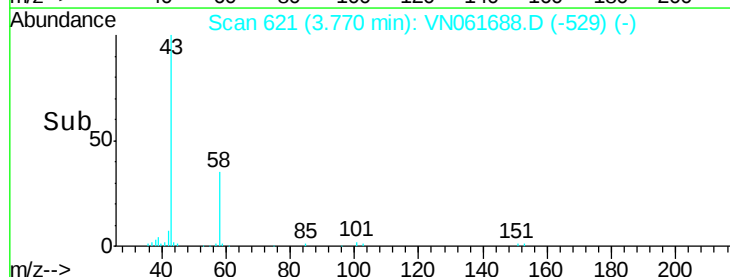
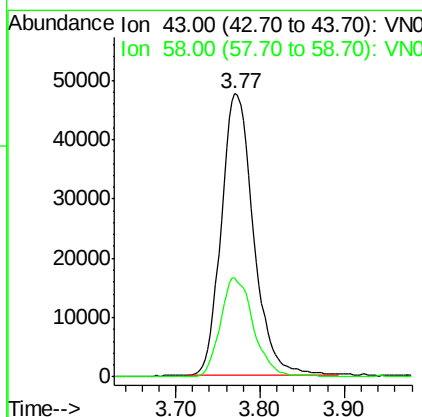
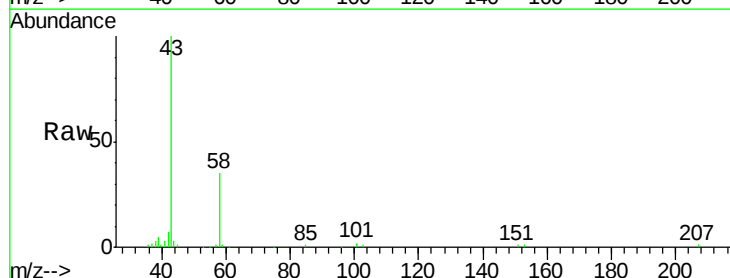
RT: 3.77 min Scan# 621

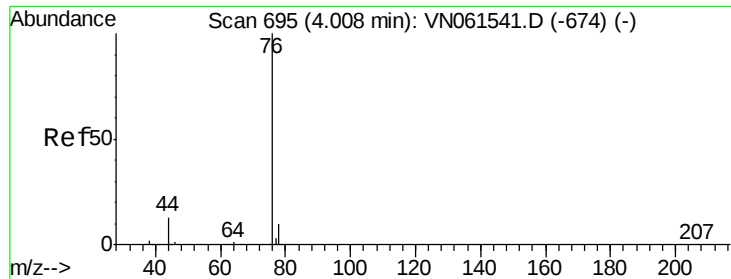
Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion:	43	Resp:	125784
Ion Ratio		Lower	Upper
43	100		
58	35.2	27.2	40.8





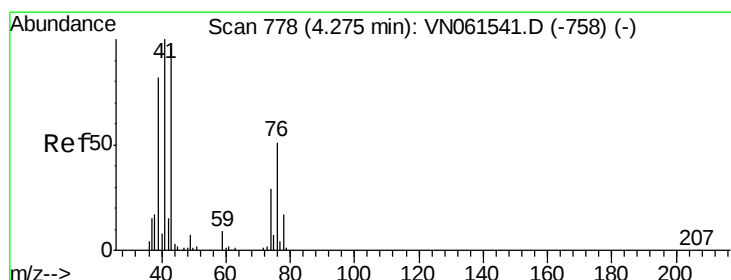
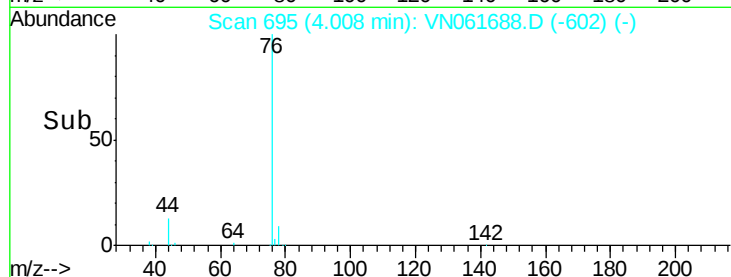
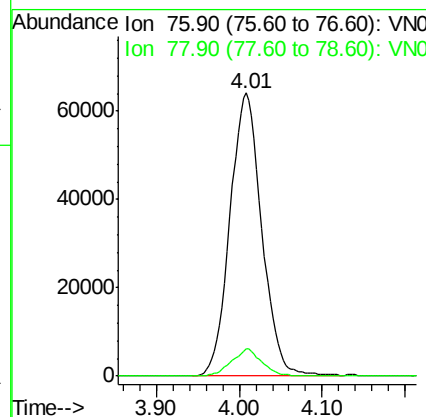
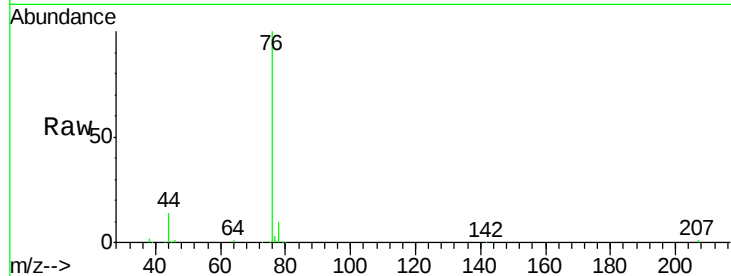
#17
Carbon Disulfide
Concen: 19.086 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.8	11.6

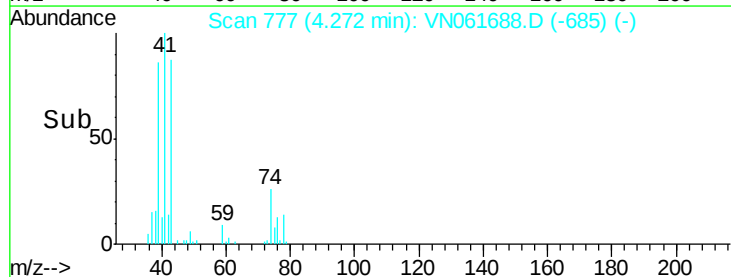
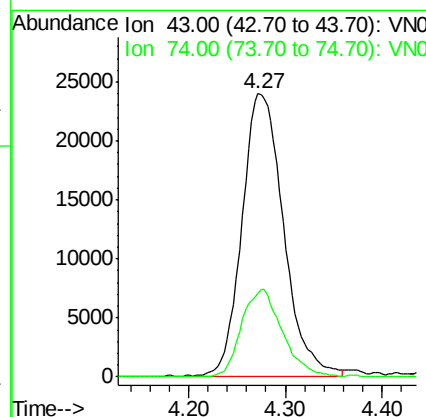
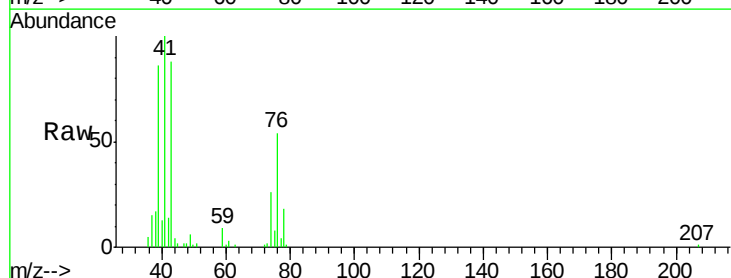
Manual Integrations
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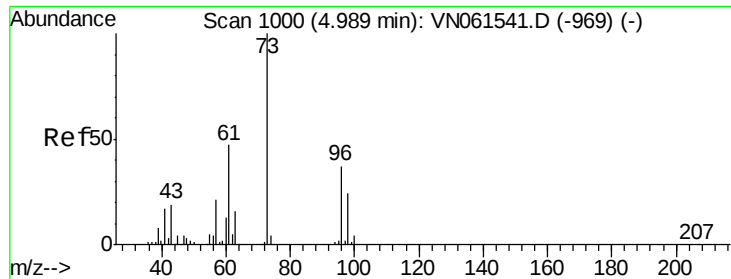
MMDadoda
6/9/2020 1:46:09 PM



#18
Methyl Acetate
Concen: 16.718 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.2	23.2	34.8





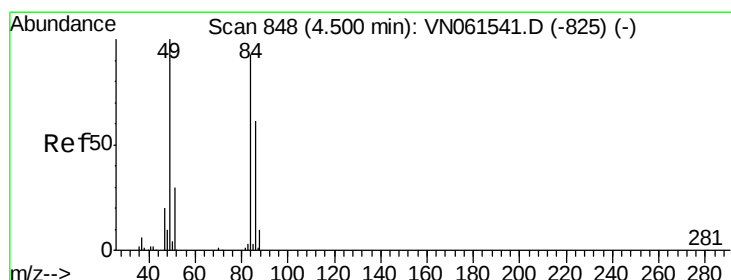
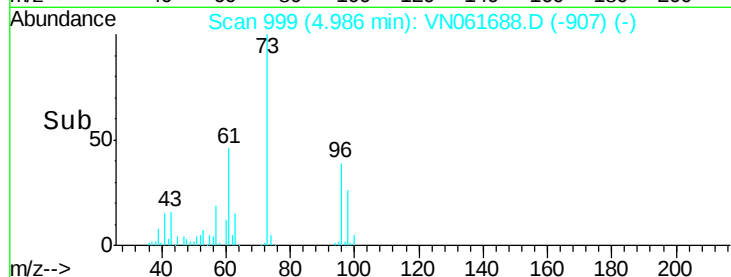
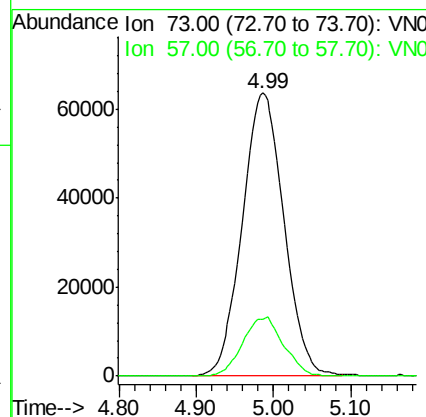
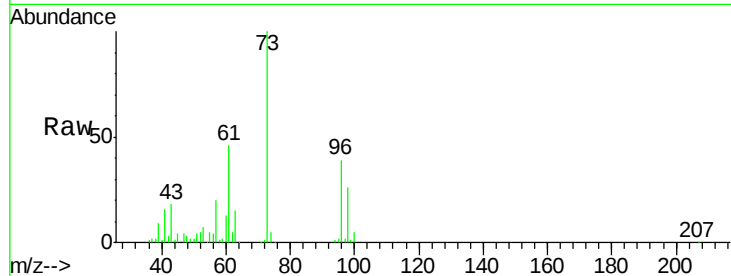
#19
Methvl tert-butvl Ether
Concen: 17.196 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 73 Resp: 238792
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6

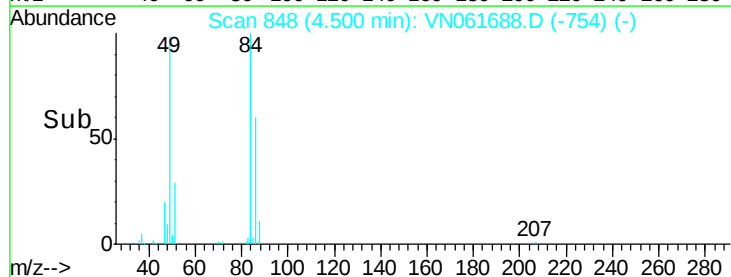
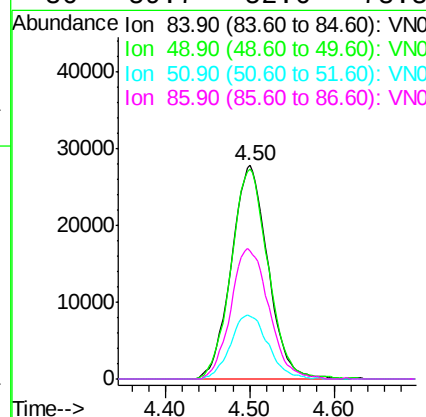
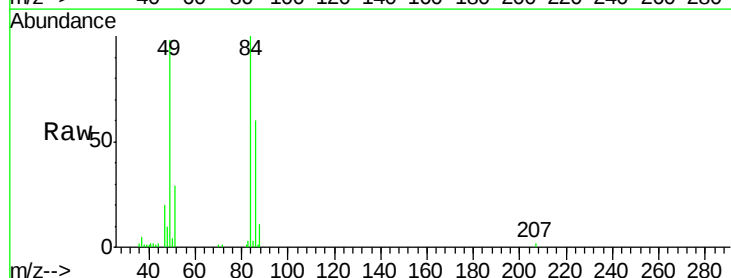
Manual Integrations
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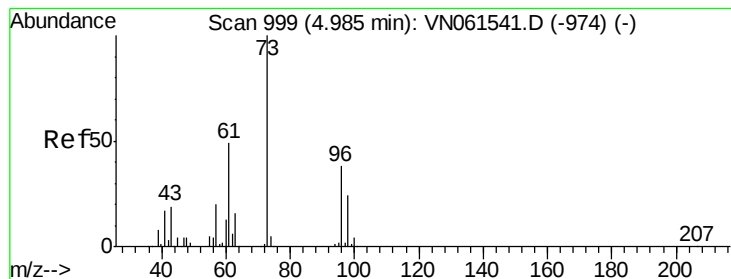
MMDadoda
6/9/2020 1:46:09 PM



#20
Methylene Chloride
Concen: 18.320 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion: 84 Resp: 83870
Ion Ratio Lower Upper
84 100
49 98.0 85.8 128.8
51 29.3 26.2 39.2
86 59.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 17.852 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

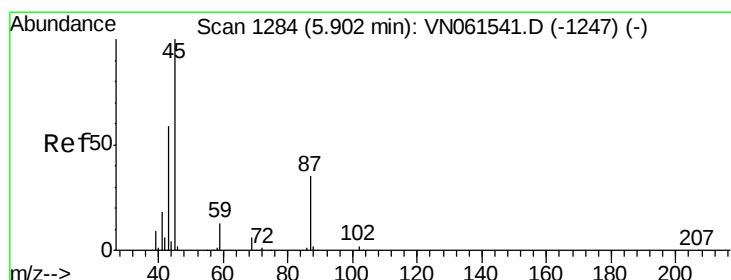
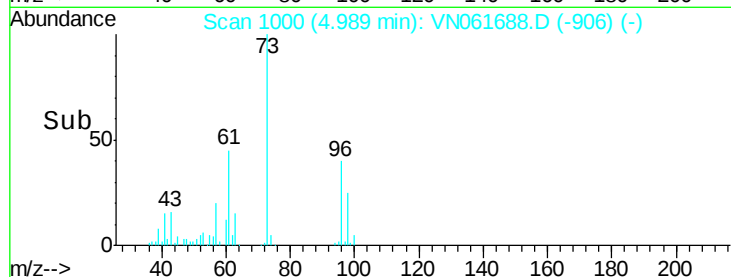
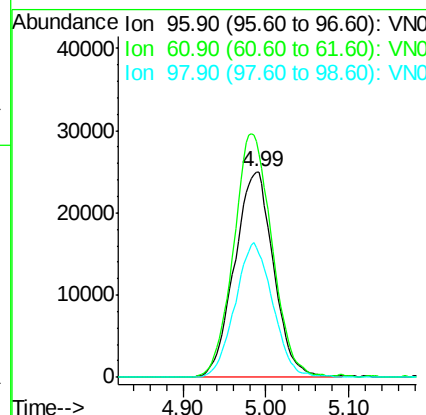
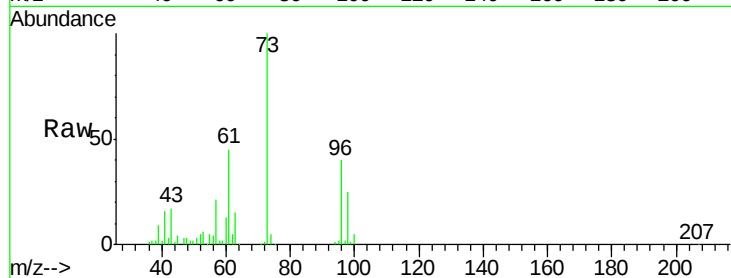
ClientSampleId :

VN0608WBS01

Tot Ion:	96	Resp:	82033
Ion	Ratio	Lower	Upper
96	100		
61	114.5	101.4	152.0
98	63.3	50.6	76.0

Manual Integrations
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6/9/2020 1:46:09 PM



#22

Diisopropyl ether

Concen: 17.760 ug/l

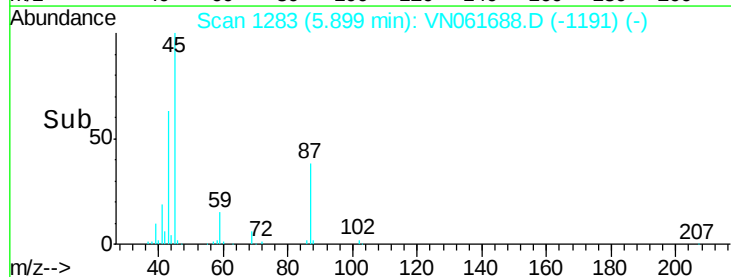
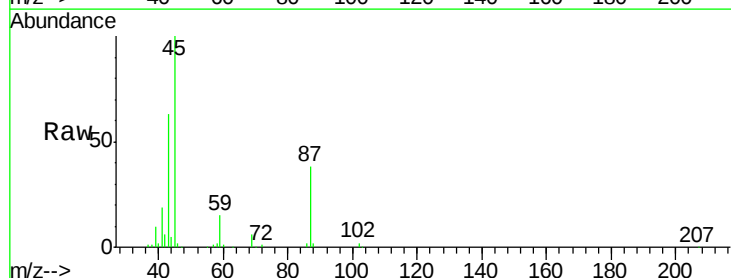
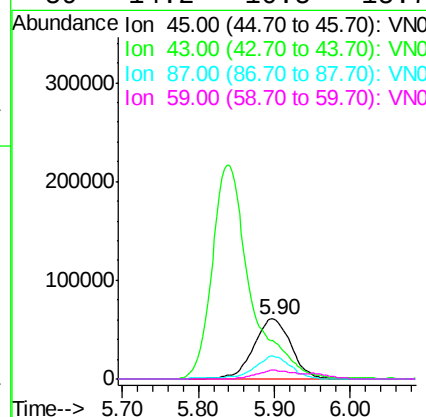
RT: 5.90 min Scan# 1283

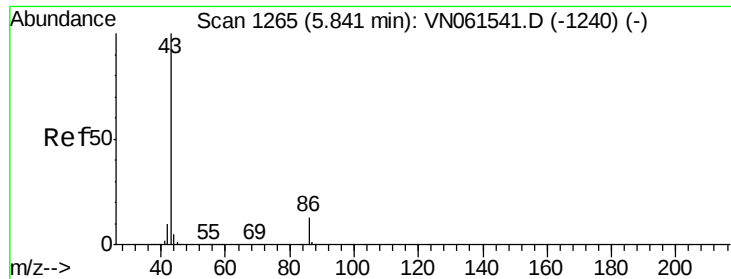
Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion:	45	Resp:	208512
Ion	Ratio	Lower	Upper
45	100		
43	60.9	47.9	71.9
87	38.3	28.4	42.6
59	14.2	10.5	15.7





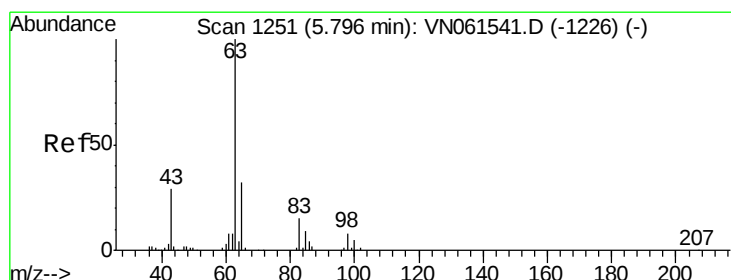
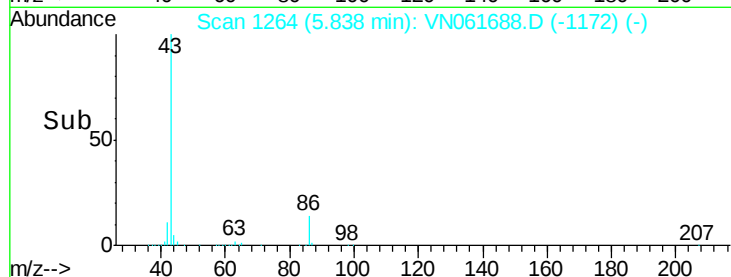
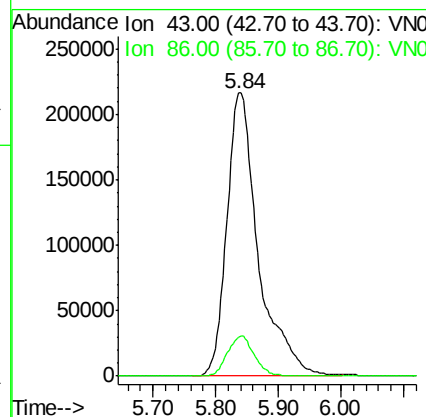
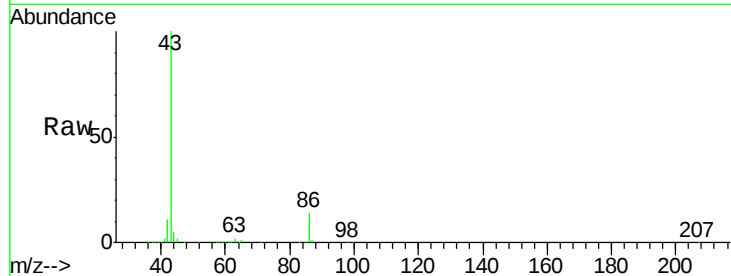
#23
 Vinyl Acetate
 Concen: 80.746 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0608WBS01

Tot Ion	43	Resp	755595
Ion Ratio	Lower	Upper	
43	100		
86	13.9	10.6	16.0

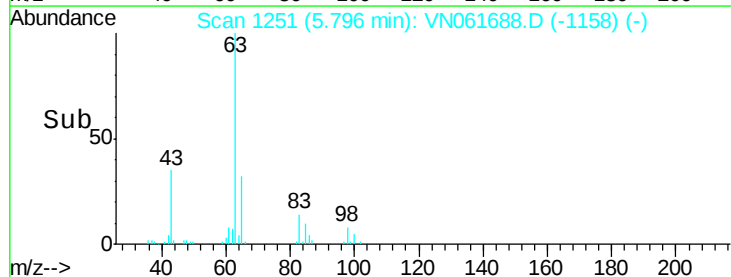
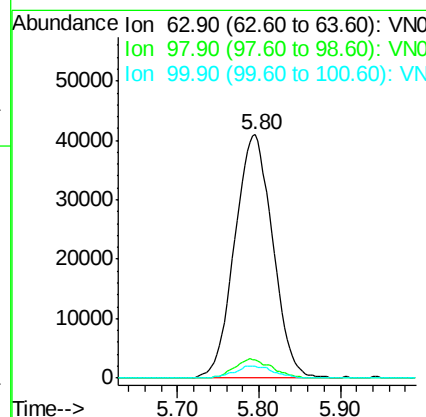
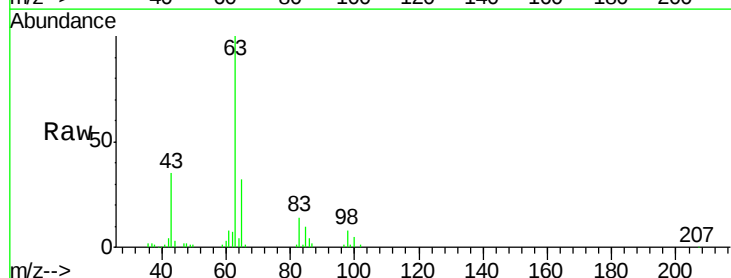
Manual Integrations
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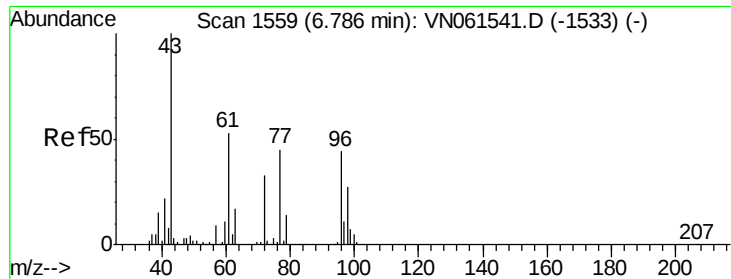
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 6/9/2020 1:46:09 PM



#24
 1,1-Dichloroethane
 Concen: 17.802 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	63	Resp	132534
Ion Ratio	Lower	Upper	
63	100		
98	7.6	3.8	11.4
100	4.8	2.5	7.6





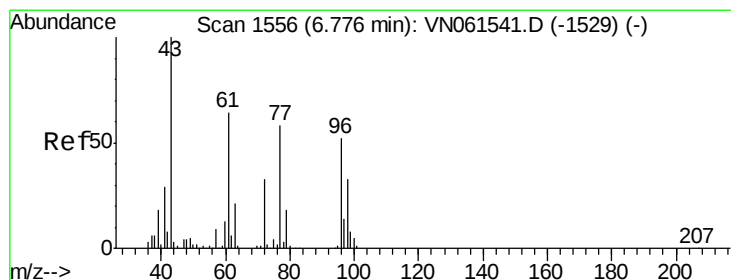
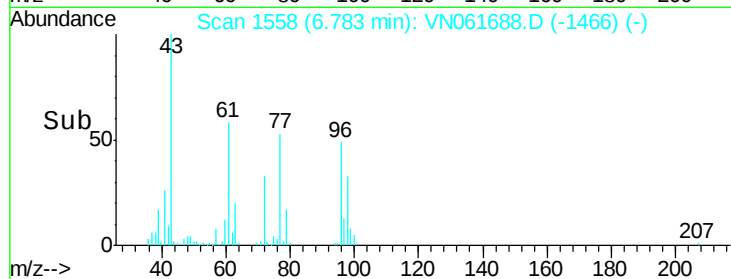
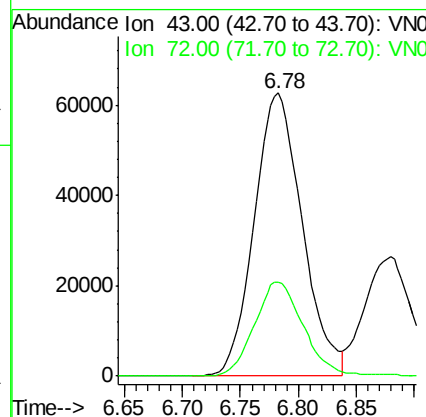
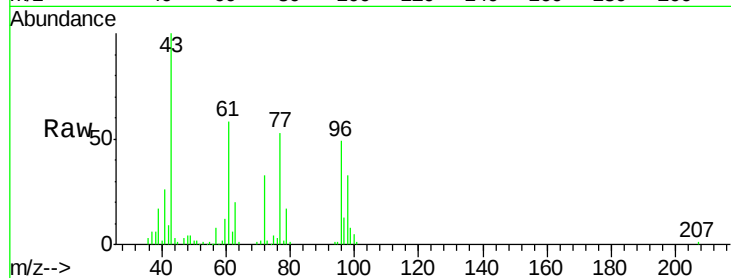
#25
2-Butanone
Concen: 80.267 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 43 Resp: 180731
Ion Ratio Lower Upper
43 100
72 33.3 26.0 39.0

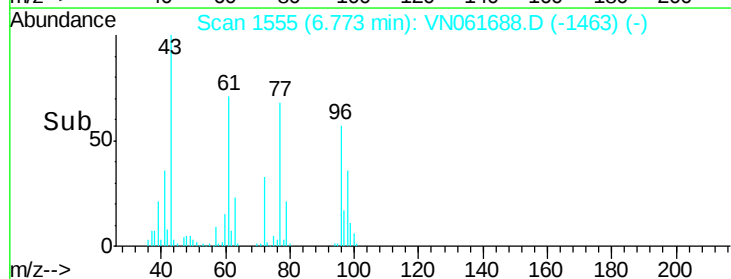
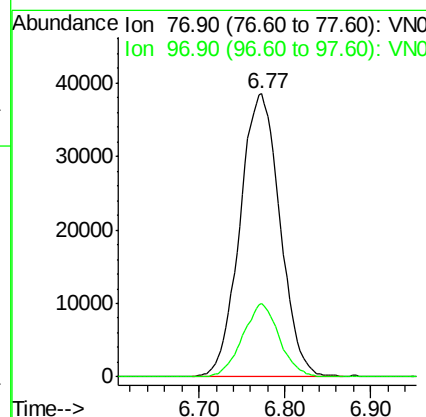
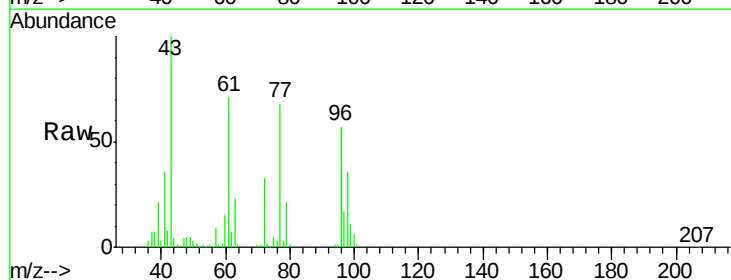
Manual Integrations
APPROVED

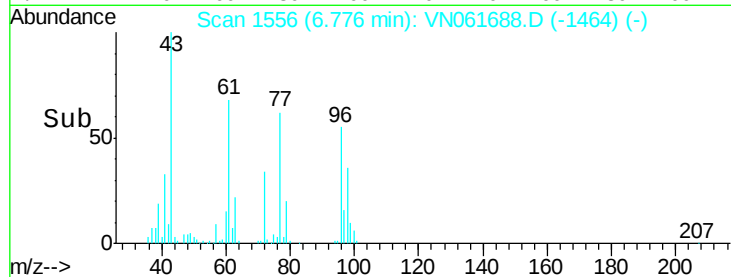
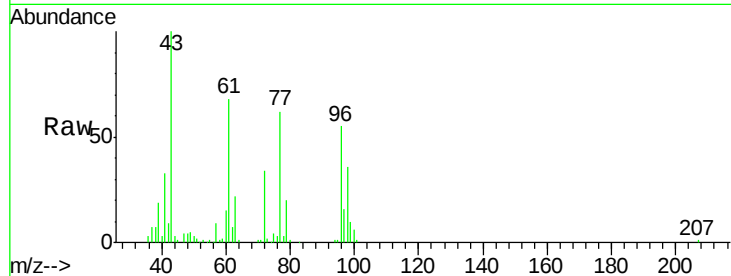
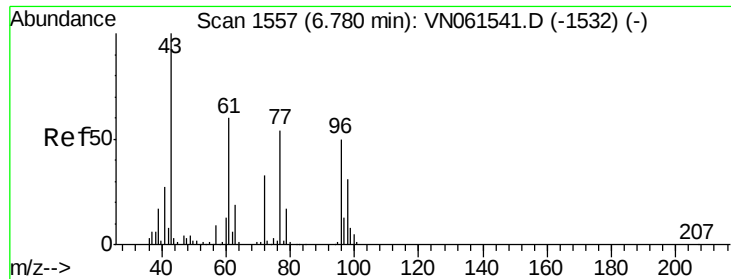
MMDadoda
6/9/2020 1:46:09 PM



#26
2,2-Dichloropropane
Concen: 18.302 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion: 77 Resp: 124713
Ion Ratio Lower Upper
77 100
97 23.7 12.0 36.0





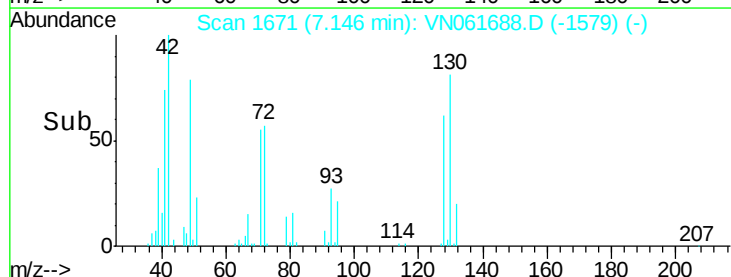
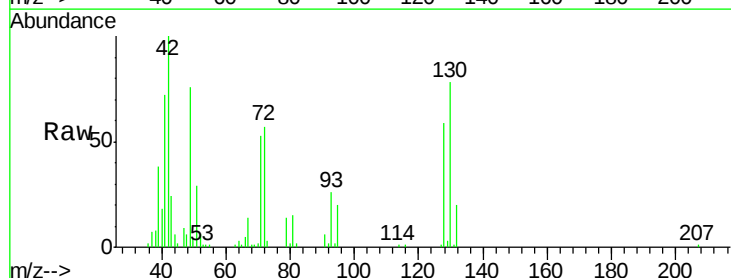
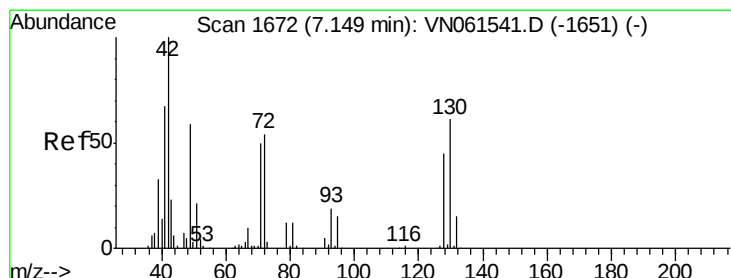
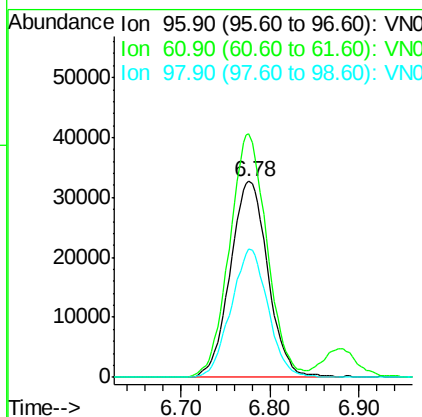
#27
 cis-1,2-Dichloroethene
 Concen: 18.446 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	0.0	252.2
98	64.1	0.0	129.2

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

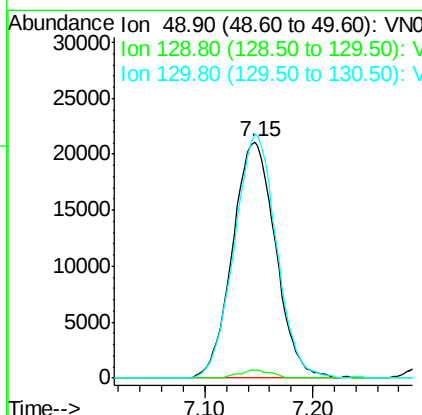
Manual Integrations
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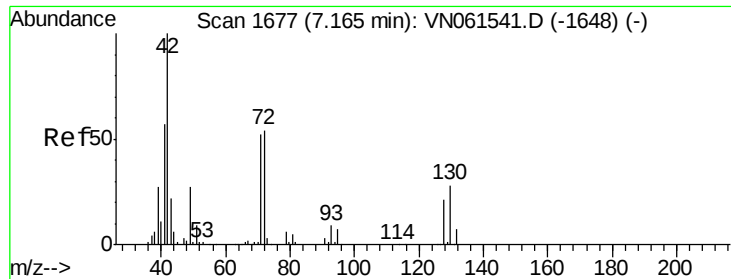
MMDadoda
 6/9/2020 1:46:09 PM



#28
 Bromochloromethane
 Concen: 20.139 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	101.3	78.8	118.2





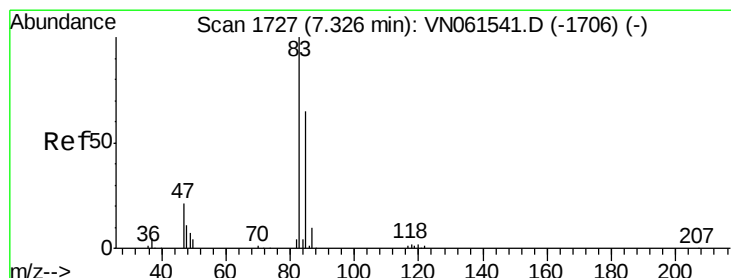
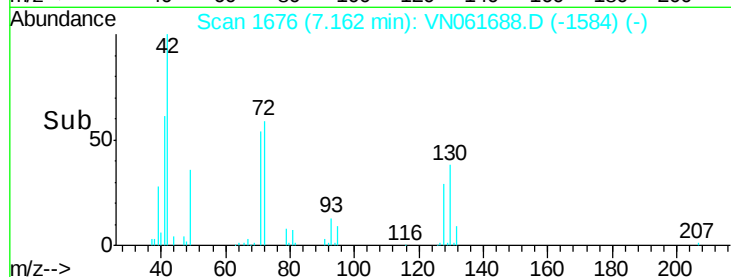
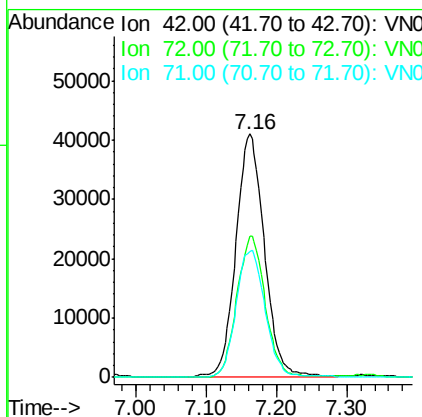
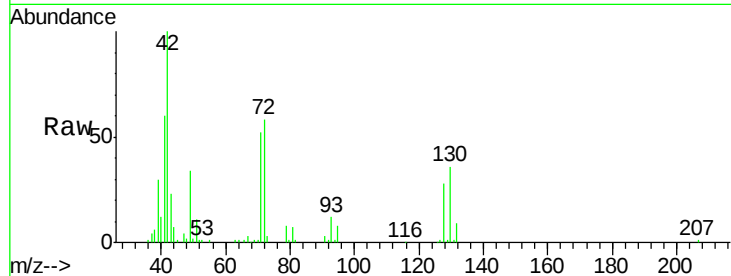
#29
Tetrahydrofuran
Concen: 78.373 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.1	43.6	65.4
71	53.0	41.2	61.8

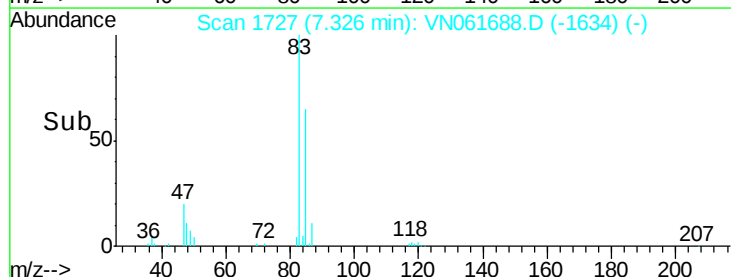
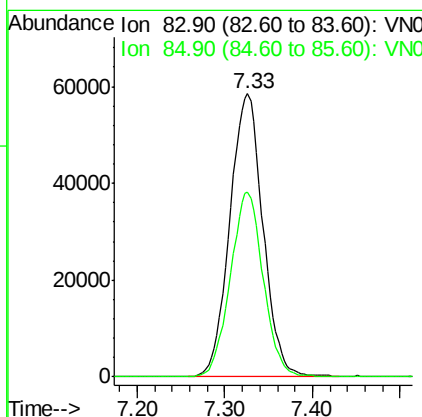
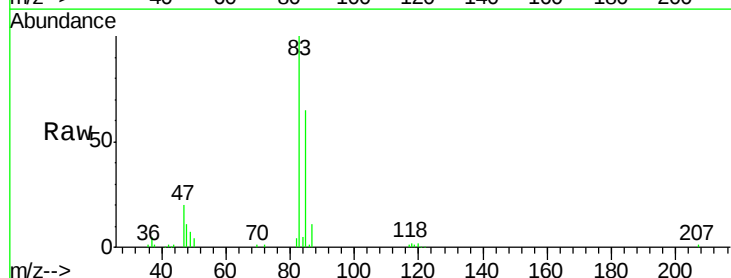
Manual Integrations
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6/9/2020 1:46:09 PM



#30
Chloroform
Concen: 18.665 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.7	77.5





#31

Cyclohexane

Concen: 17.055 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

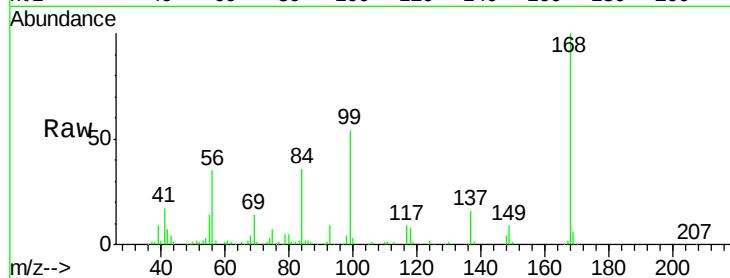
ClientSampleId :

VN0608WBS01

Tot Ion:	56	Resp:	114197
Ion Ratio	Lower	Upper	
56	100		
69	39.1	27.8	41.8
84	101.6	79.9	119.9

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061541.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061541.D (-1794) (-)

Time-->

7.50 7.55 7.60 7.65 7.70

60000

40000

20000

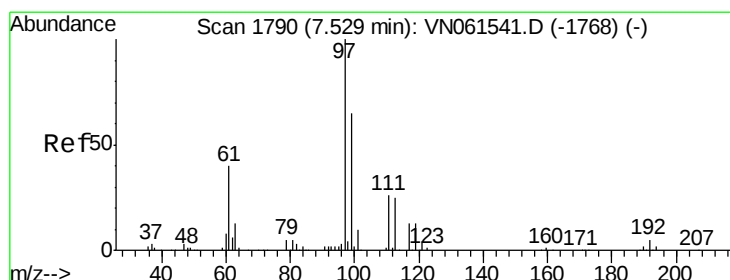
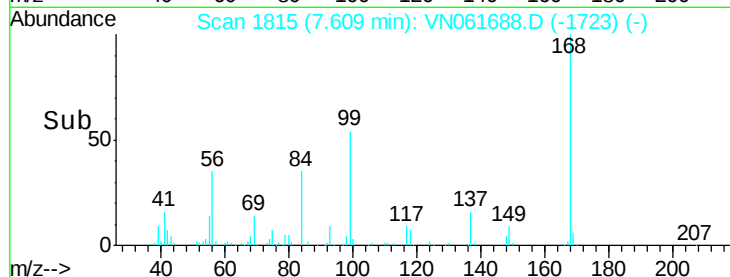
0

7.50 7.55 7.60 7.65 7.70

7.61

Time-->

7.50 7.55 7.60 7.65 7.70



#32

1,1,1-Trichloroethane

Concen: 18.046 ug/l

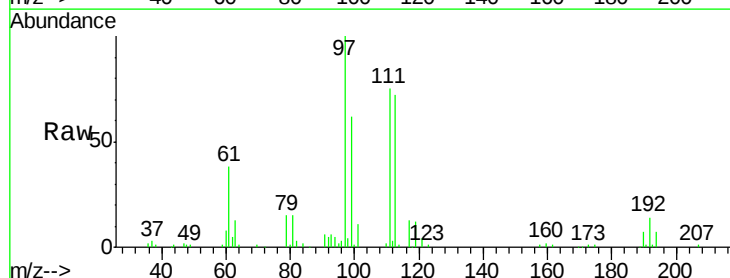
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion:	97	Resp:	135441
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.4	77.0
61	39.4	31.4	47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061541.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN061541.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN061541.D (-1768) (-)

Time-->

7.40 7.50 7.60

120000

100000

80000

60000

40000

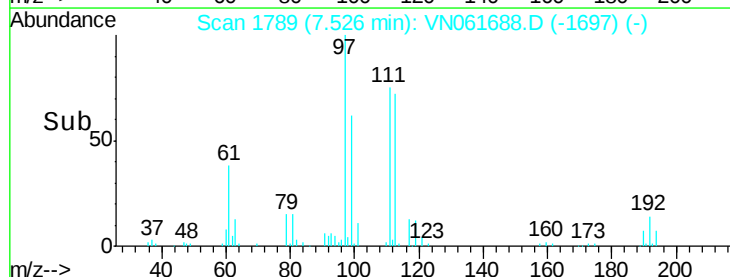
20000

0

7.40 7.50 7.60

7.53

Time-->





#33

1,2-Dichloroethane-d4

Concen: 47.169 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 65 Resp: 224100

Ion Ratio Lower Upper

65 100

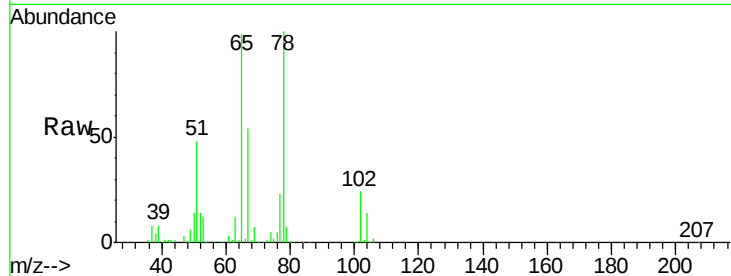
67 54.1 0.0 104.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)

7.99

100000

80000

60000

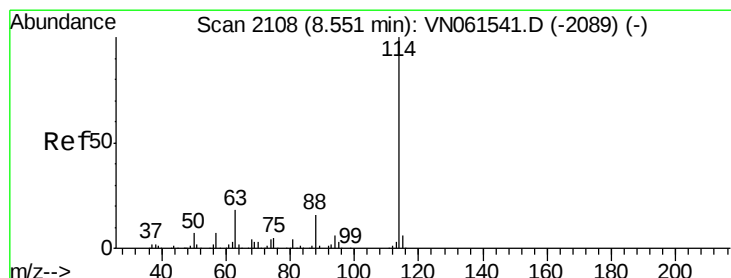
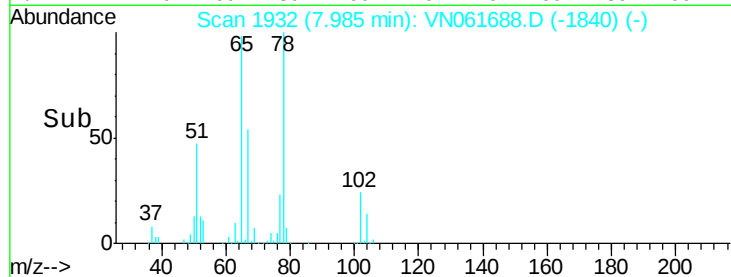
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

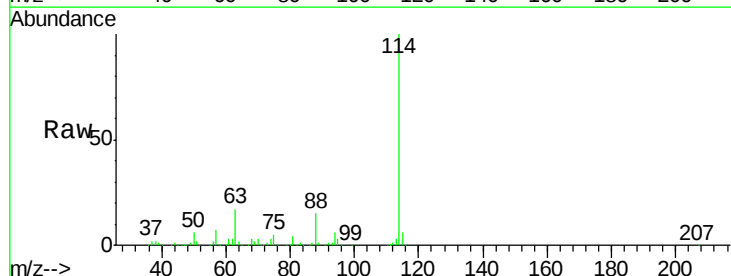
Tgt Ion: 114 Resp: 632969

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.8

88 14.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061541.D (-2089) (-)

Ion 63.00 (62.70 to 63.70): VN061541.D (-2089) (-)

Ion 87.90 (87.60 to 88.60): VN061541.D (-2089) (-)

8.55

400000

300000

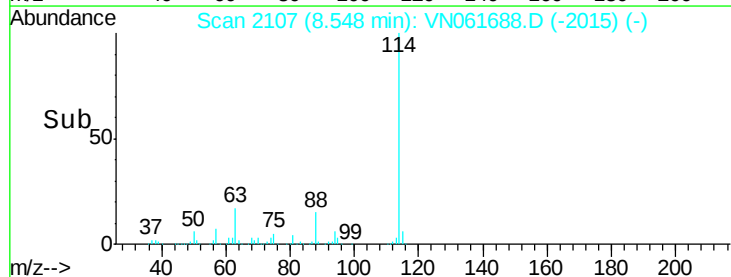
200000

100000

0

8.50 8.55 8.60 8.65

Time-->





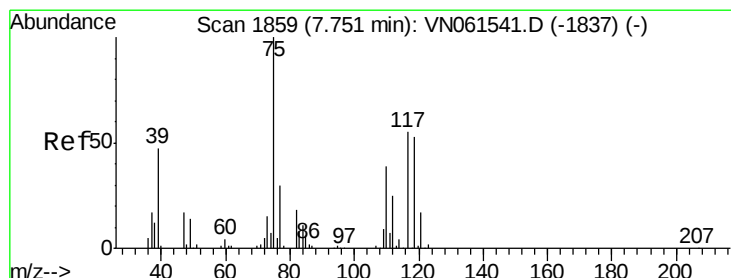
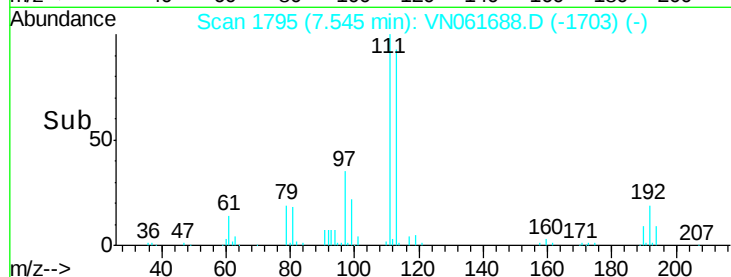
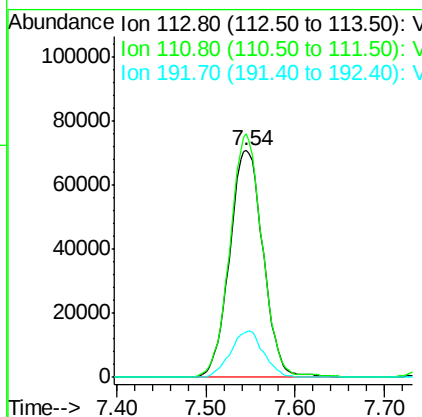
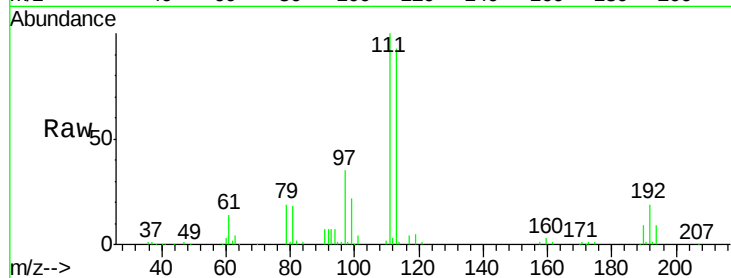
#35
 Dibromofluoromethane
 Concen: 57.651 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185114		
111	102.4	83.4	125.0	
192	20.1	15.4	23.2	

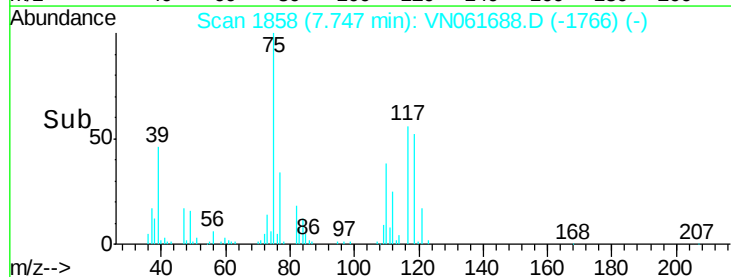
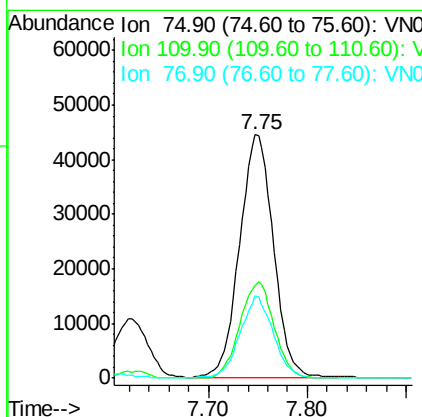
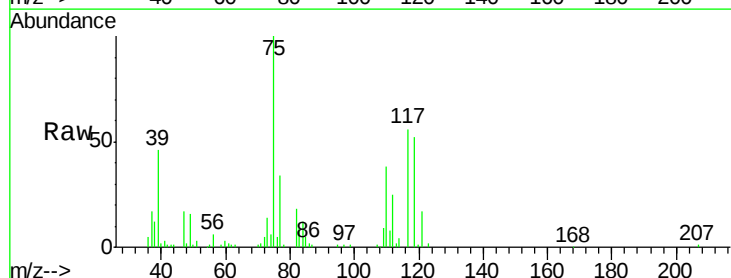
Manual Integrations
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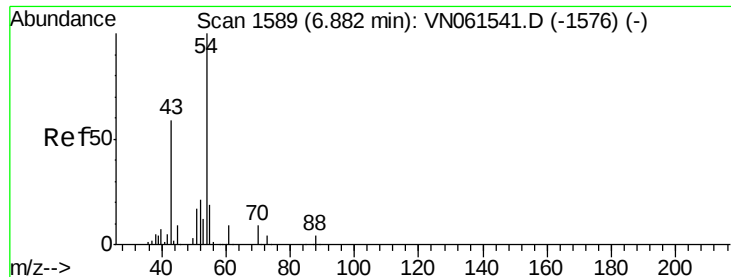
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#36
 1,1-Dichloropropene
 Concen: 18.803 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105359		
110	39.9	19.5	58.5	
77	33.3	24.7	37.1	





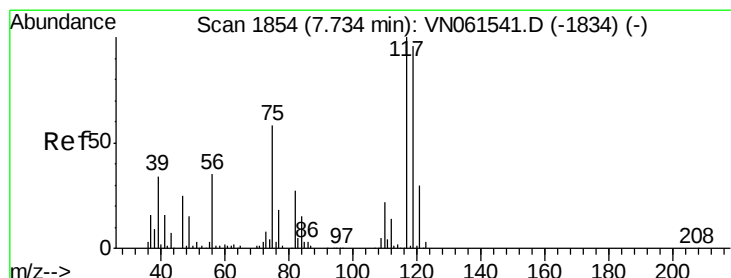
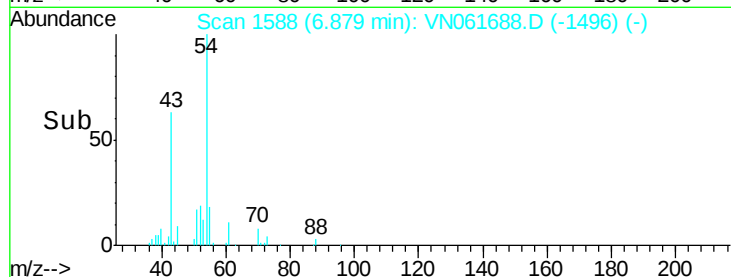
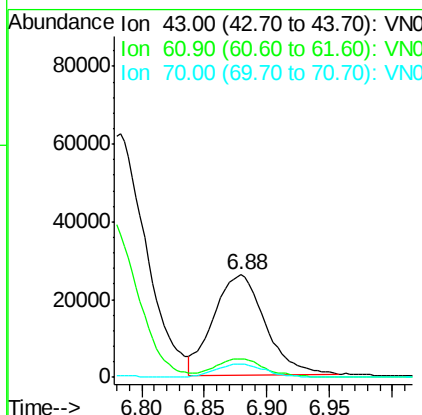
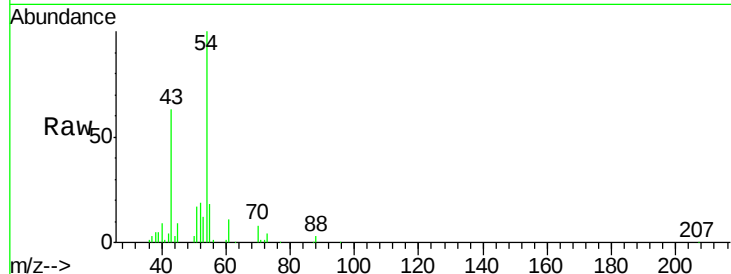
#37
Ethyl Acetate
Concen: 16.469 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	12.2	18.4
70	12.9	9.4	14.2

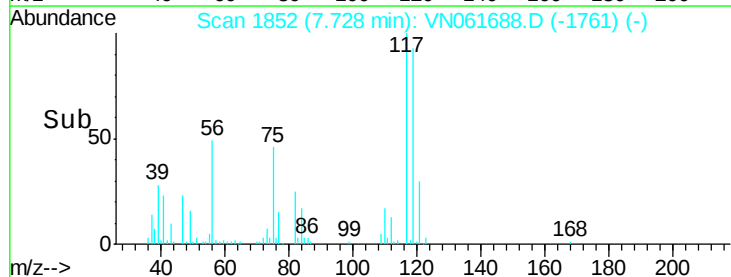
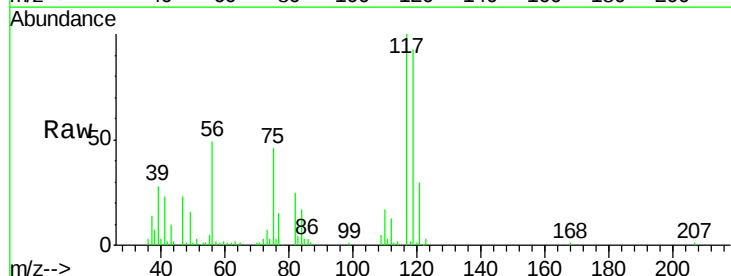
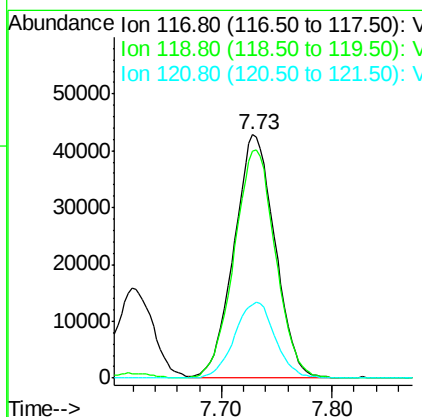
Manual Integrations
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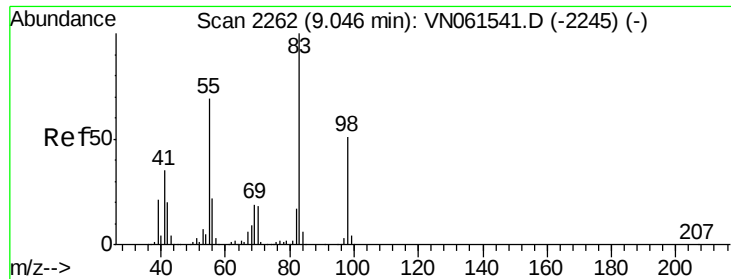
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#38
Carbon Tetrachloride
Concen: 20.353 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.5	114.7
121	30.4	24.1	36.1





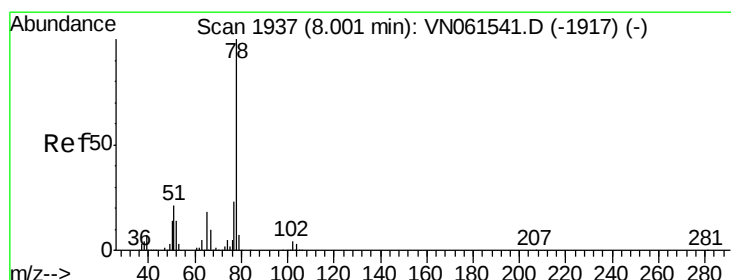
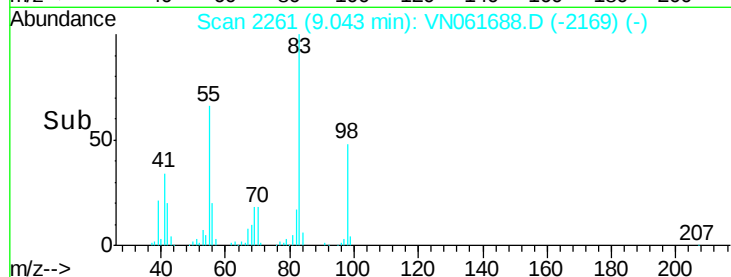
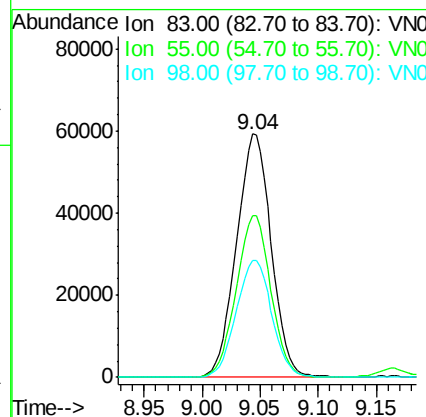
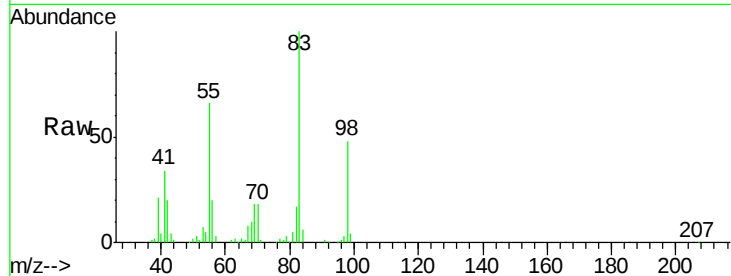
#39
Methvlcvclohexane
Concen: 17.842 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.2	54.9	82.3	
98	48.0	41.0	61.4	

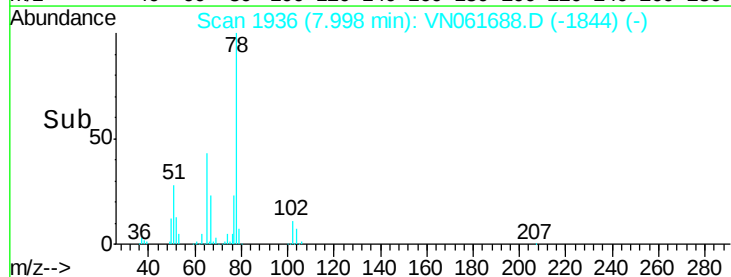
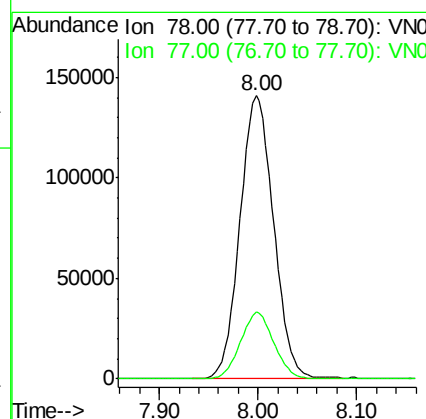
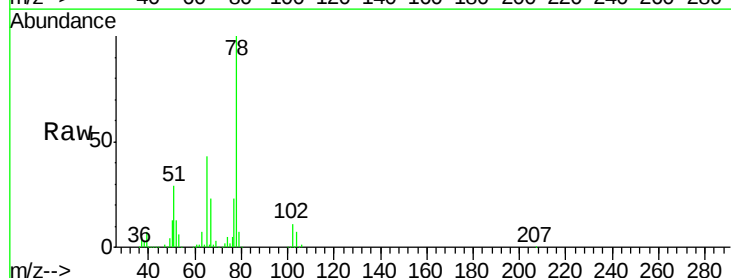
Manual Integrations
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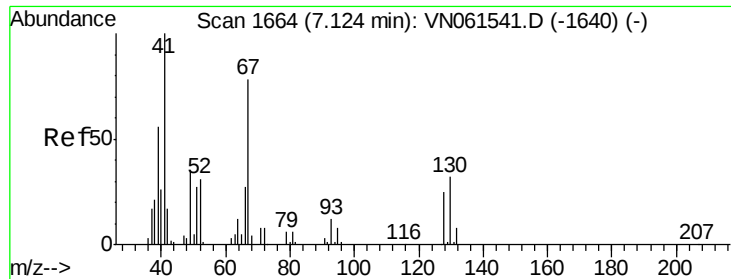
MMDadoda
6/9/2020 1:46:09 PM



#40
Benzene
Concen: 19.270 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.6	28.0	





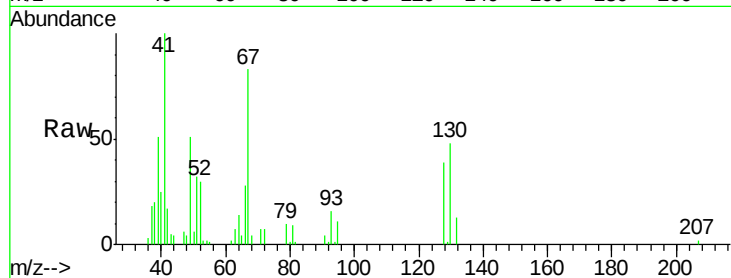
#41
Methacrylonitrile
Concen: 15.935 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	41.2	53.8	80.6#
67	112.0	91.1	136.7
52	42.3	36.0	54.0

Manual Integrations
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6/9/2020 1:46:09 PM

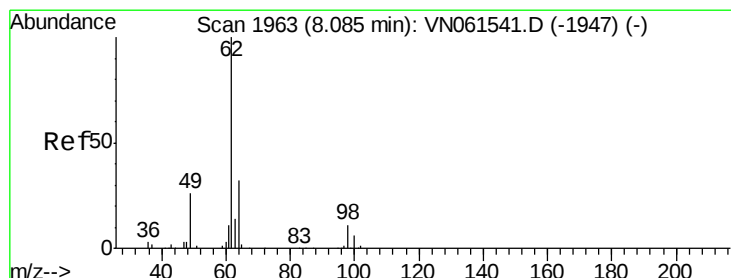
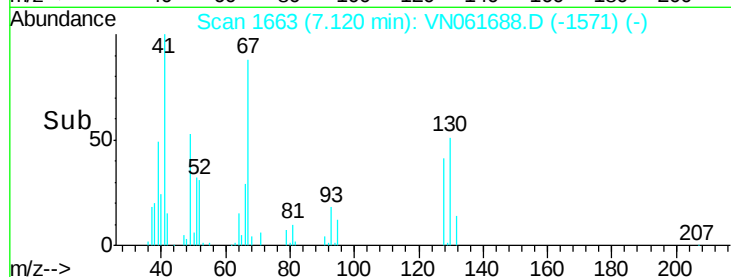
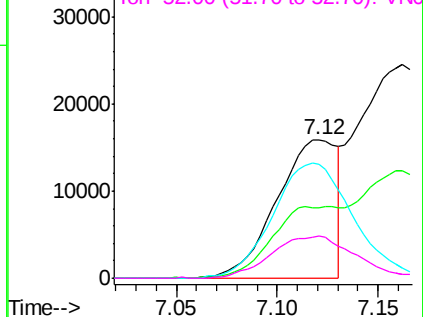


Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-1640) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-1640) (-)

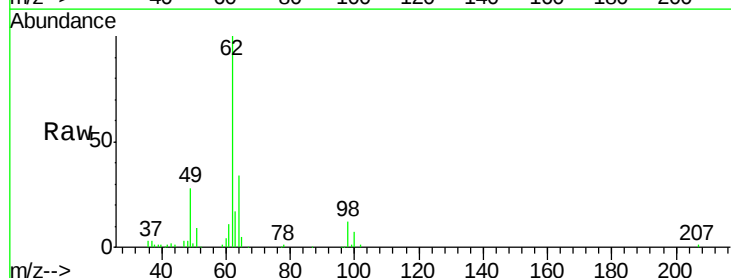
Ion 67.00 (66.70 to 67.70): VN061541.D (-1640) (-)

Ion 52.00 (51.70 to 52.70): VN061541.D (-1640) (-)



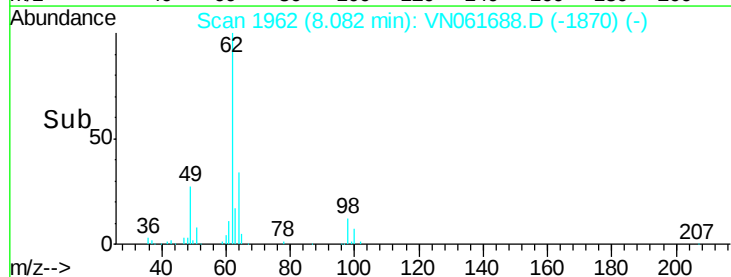
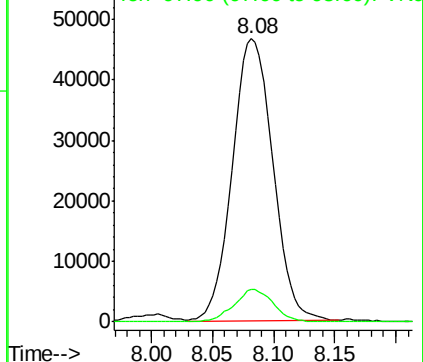
#42
1,2-Dichloroethane
Concen: 18.579 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

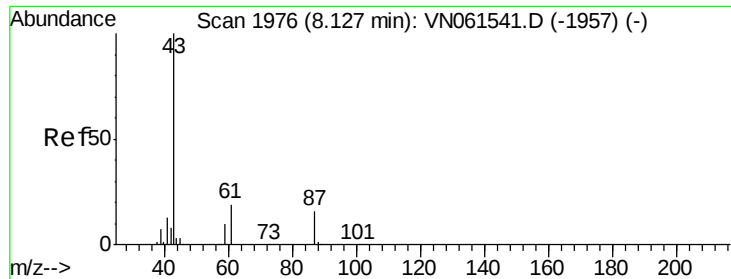
Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VN061541.D (-1947) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1947) (-)





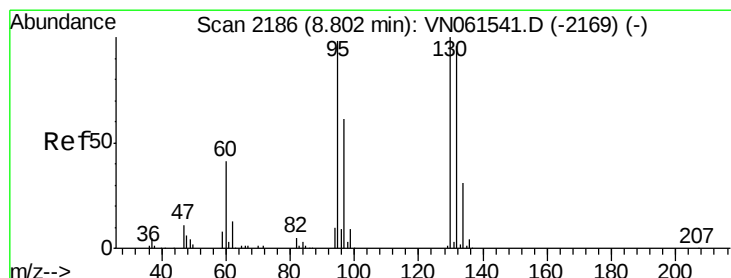
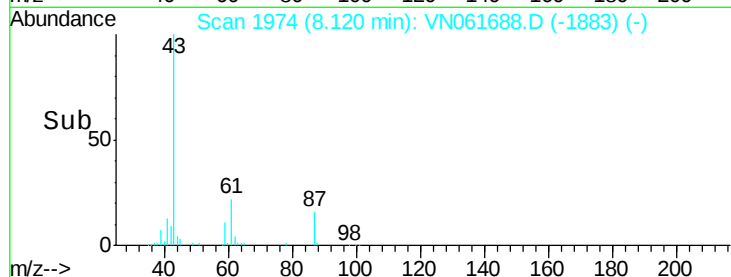
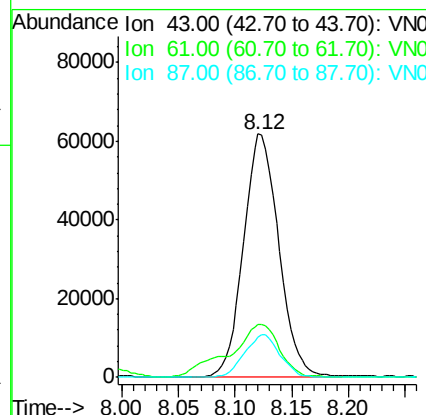
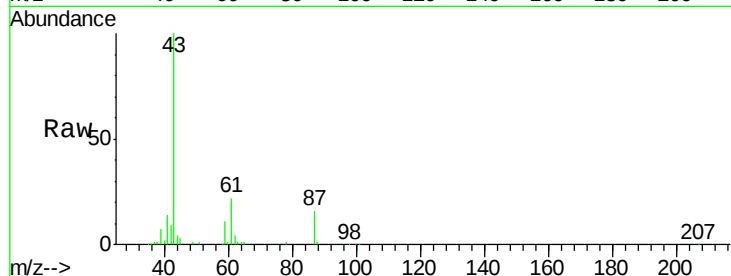
#43
Isopropyl Acetate
Concen: 16.650 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.6	35.4
87	17.3	13.0	19.6

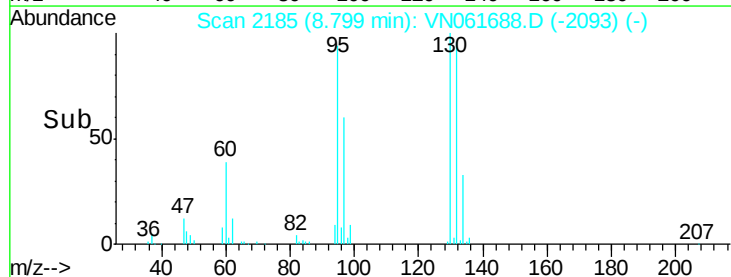
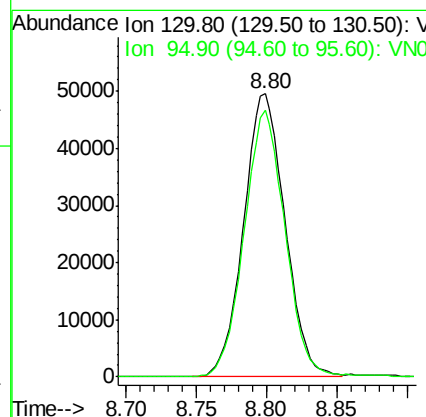
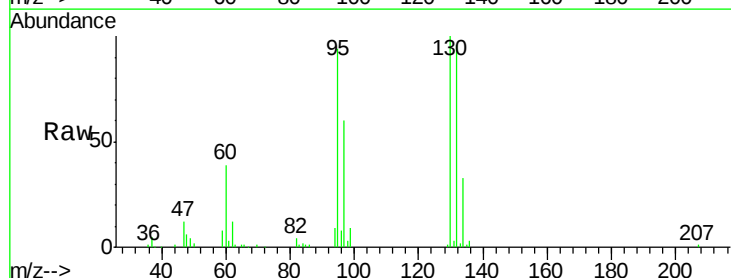
Manual Integrations
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6/9/2020 1:46:09 PM



#44
Trichloroethene
Concen: 19.203 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	196.6





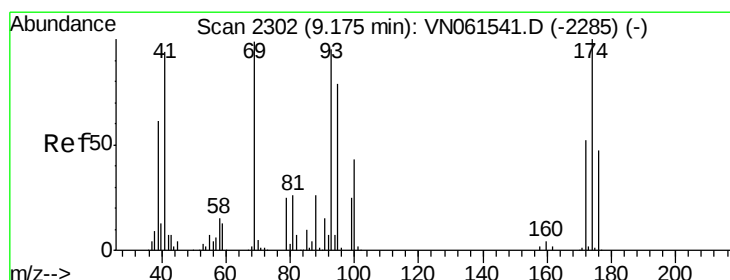
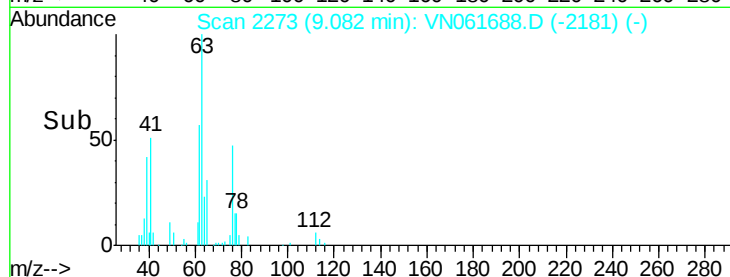
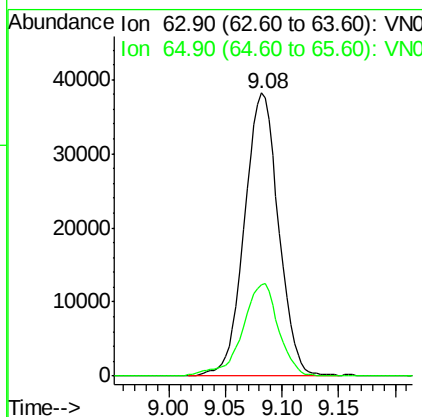
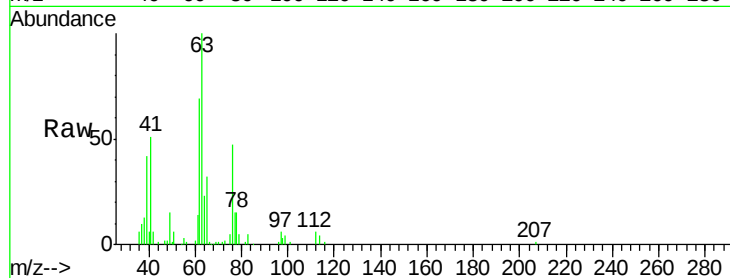
#45
 1,2-Dichloropropane
 Concen: 19.568 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion: 63 Resp: 80335
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.7 37.1

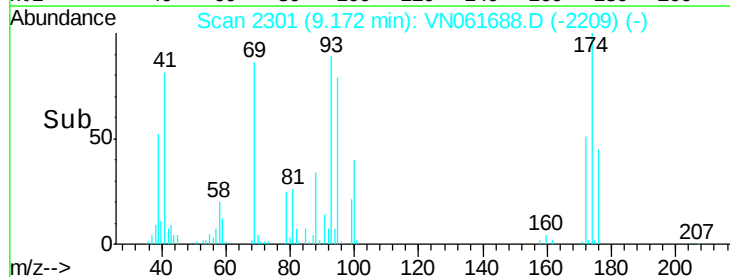
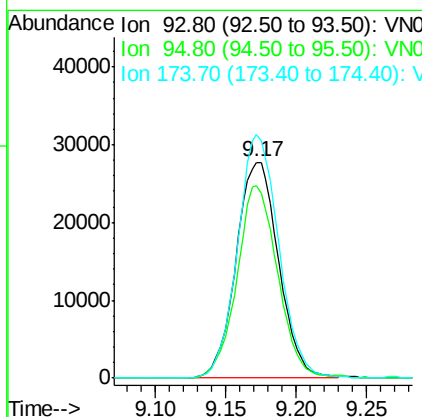
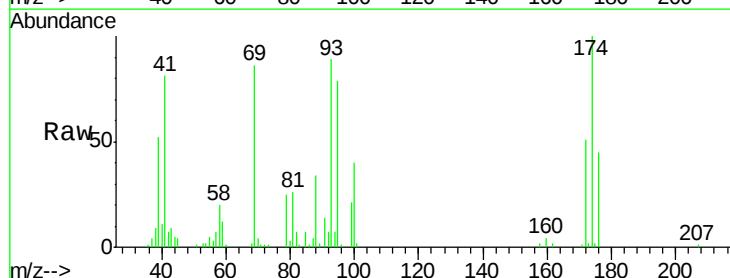
Manual Integrations
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 6/9/2020 1:46:09 PM



#46
 Dibromomethane
 Concen: 18.621 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion: 93 Resp: 58629
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.0 99.0
 174 109.4 82.5 123.7





#47

Bromodichloromethane

Concen: 19.265 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

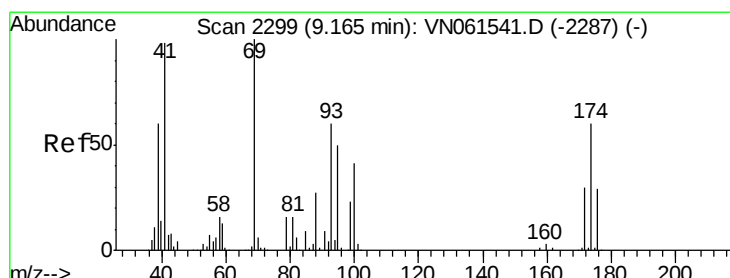
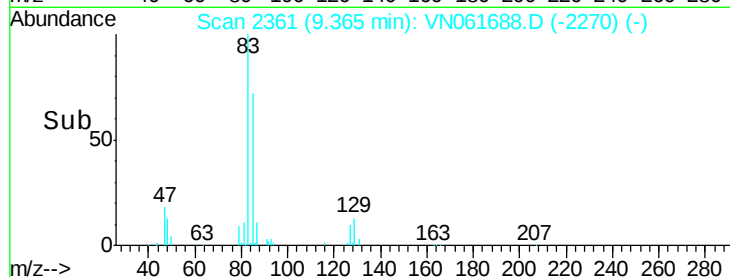
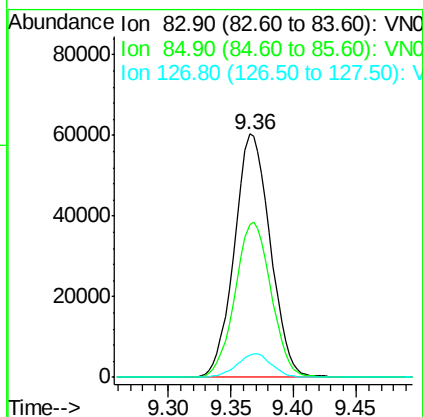
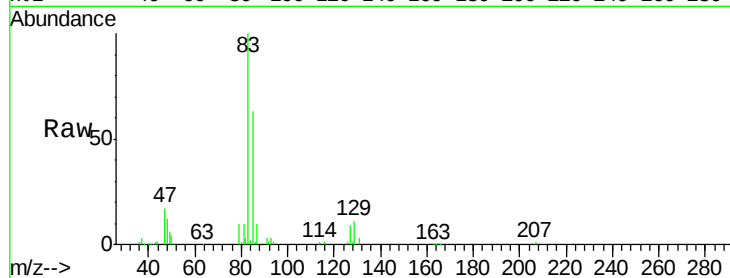
ClientSampleId :

VN0608WBS01

Tot Ion:	83	Resp:	120180
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.1	76.7
127	9.1	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.596 ug/l

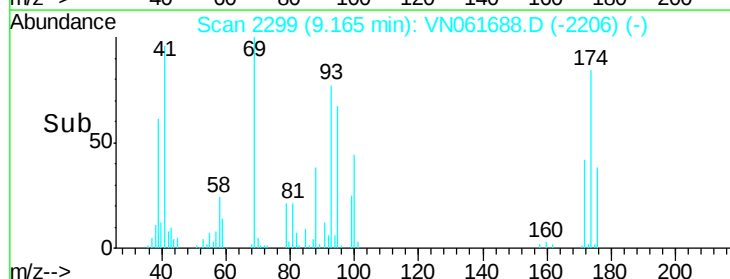
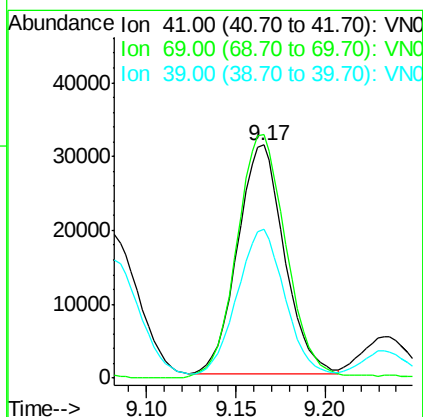
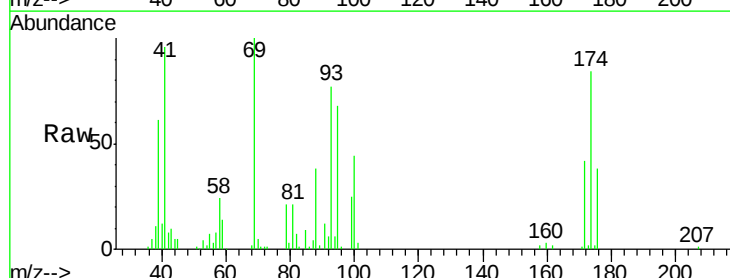
RT: 9.17 min Scan# 2299

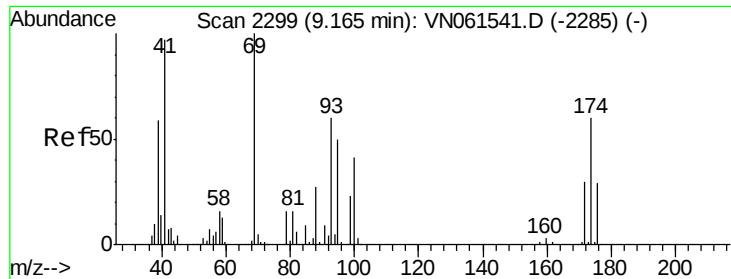
Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion:	41	Resp:	56974
Ion Ratio	Lower	Upper	
41	100		
69	111.9	83.9	125.9
39	66.8	52.1	78.1





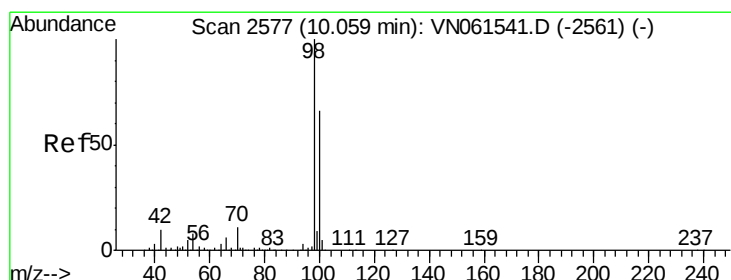
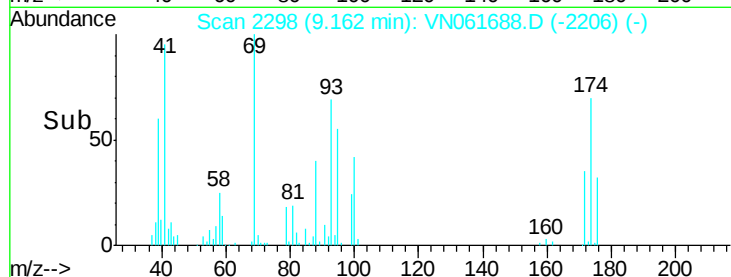
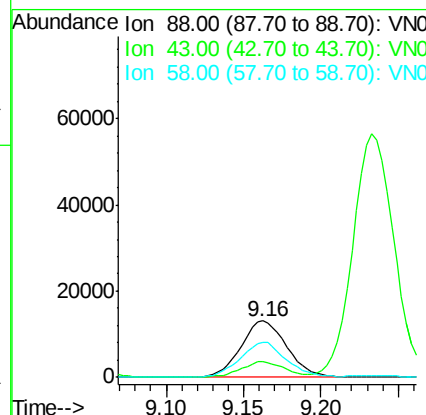
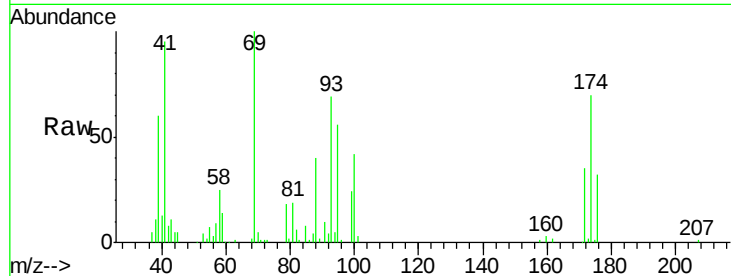
#49
1,4-Dioxane
Concen: 478.760 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	88	Resp	27095
Ion Ratio	100	Lower	Upper
88	100		
43	26.8	23.1	34.7
58	62.1	48.3	72.5

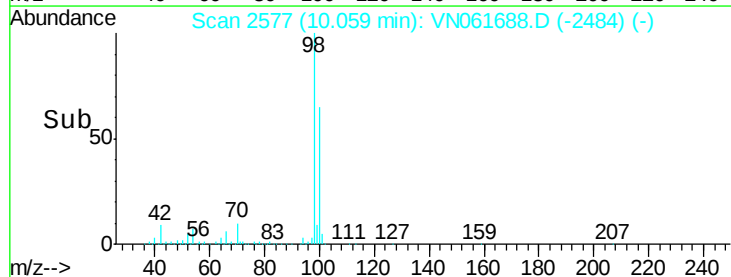
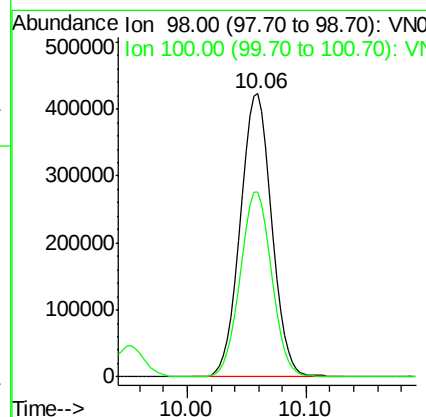
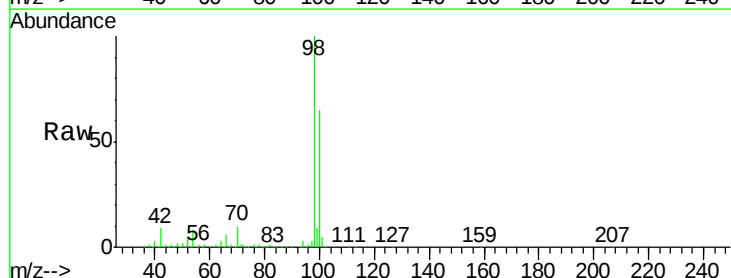
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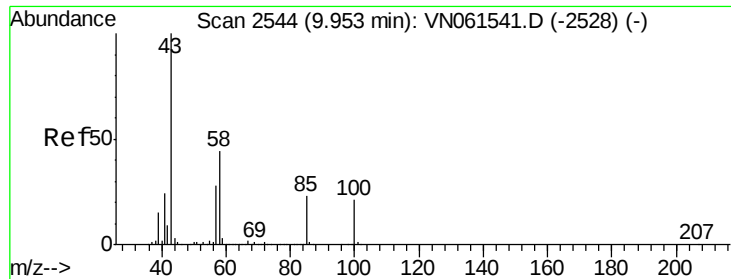
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#50
Toluene-d8
Concen: 52.133 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	98	Resp	775737
Ion Ratio	100	Lower	Upper
98	100		
100	65.5	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 84.644 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 43 Resp: 387303

Ion Ratio Lower Upper

43 100

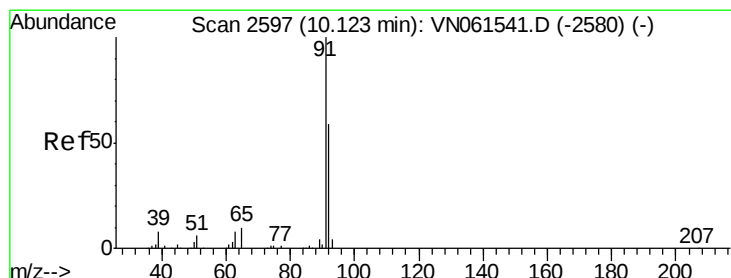
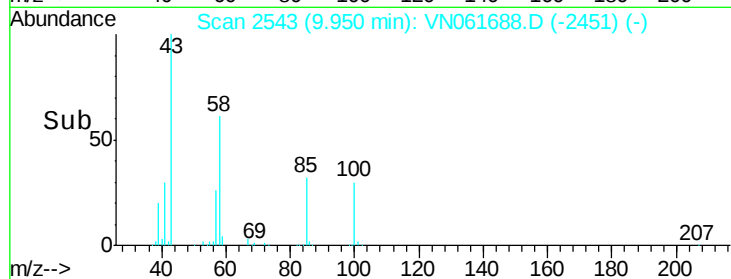
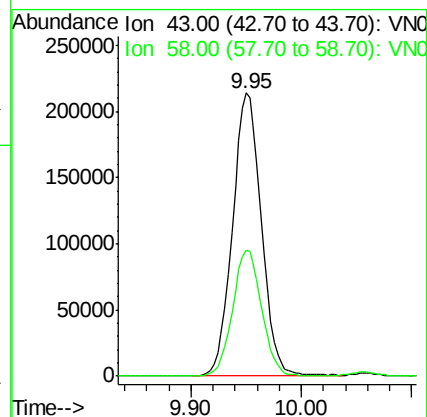
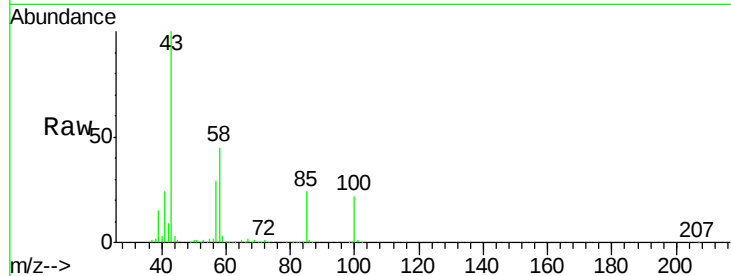
58 44.8 35.0 52.6

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#52

Toluene

Concen: 19.367 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061688.D

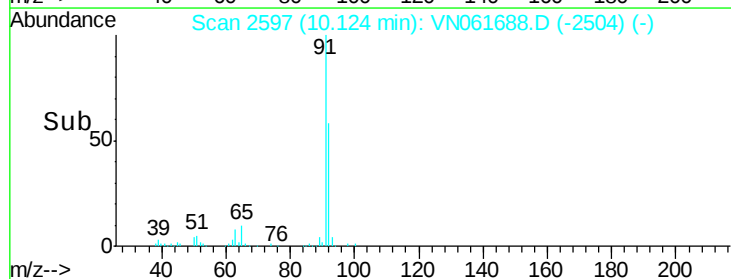
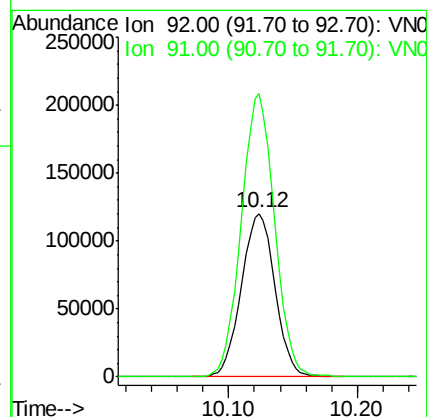
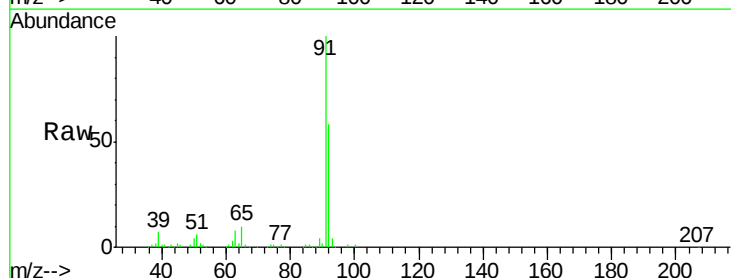
Acq: 8 Jun 2020 12:03

Tgt Ion: 92 Resp: 218549

Ion Ratio Lower Upper

92 100

91 171.8 136.4 204.6





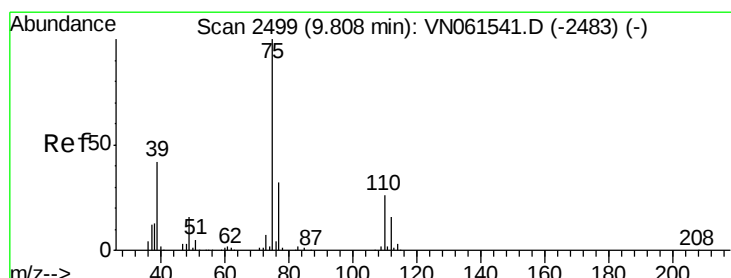
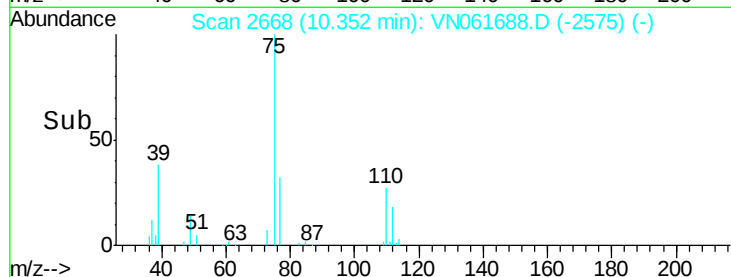
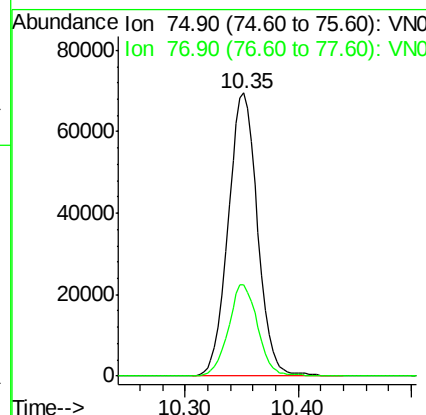
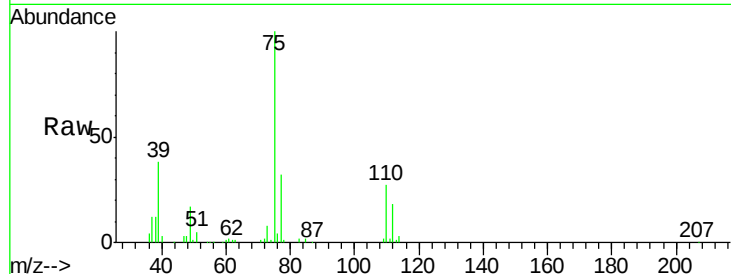
#53
t-1,3-Dichloropropene
Concen: 18.662 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 75 Resp: 125409
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4

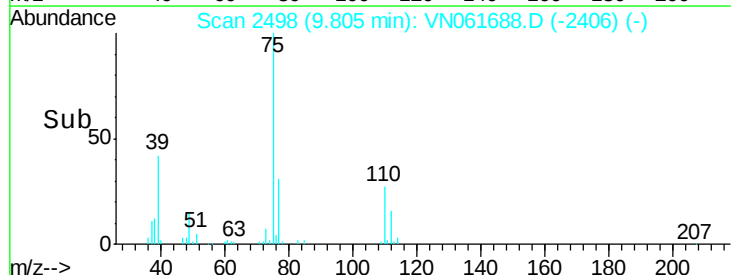
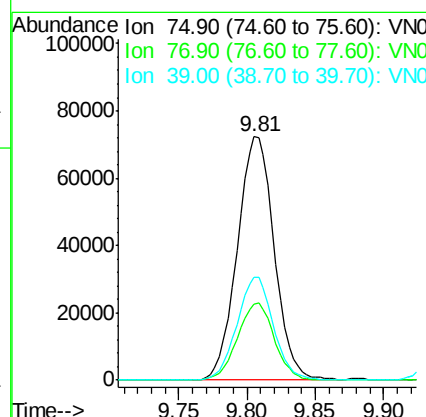
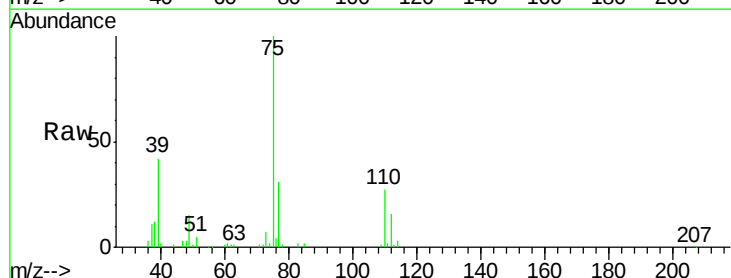
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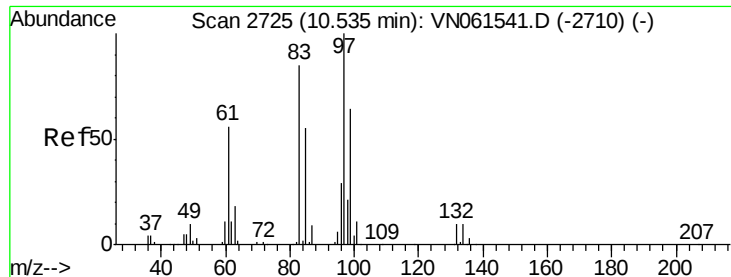
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6/9/2020 1:46:09 PM



#54
cis-1,3-Dichloropropene
Concen: 18.799 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion: 75 Resp: 135832
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 42.3 33.8 50.6





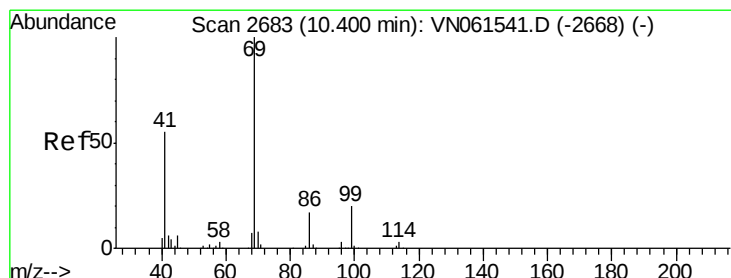
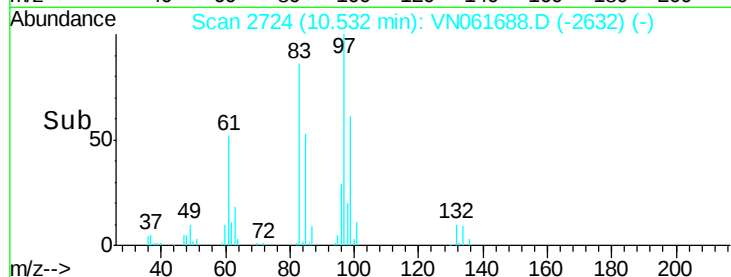
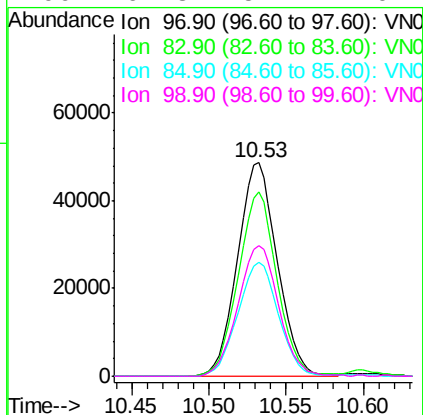
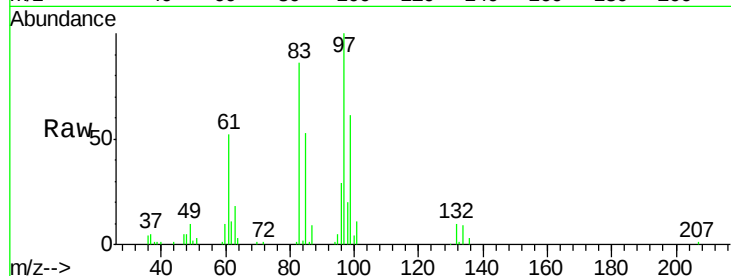
#55
 1,1,2-Trichloroethane
 Concen: 19.376 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion:	97	Resp:	87108
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.1	102.1
85	53.2	44.1	66.1
99	61.3	51.1	76.7

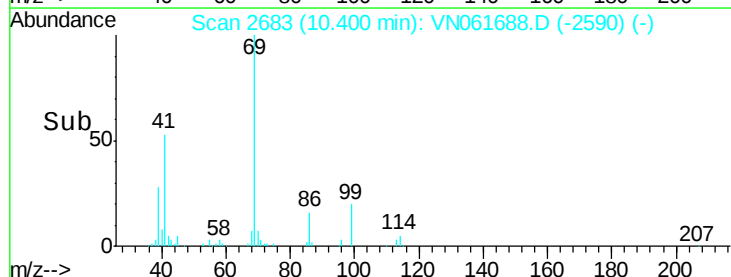
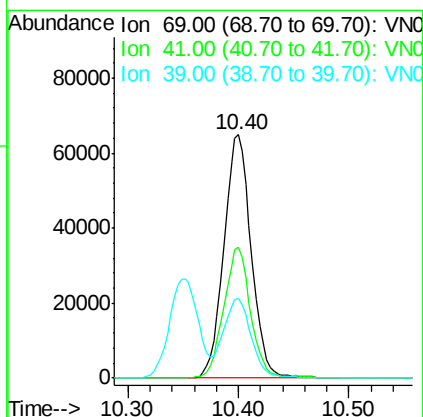
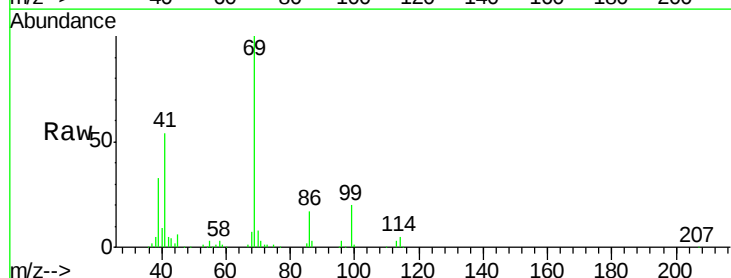
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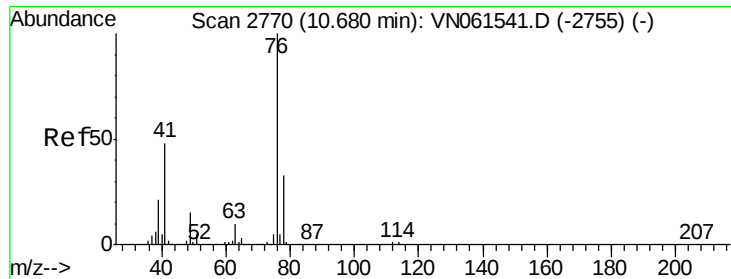
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#56
 Ethyl methacrylate
 Concen: 17.730 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion:	69	Resp:	111346
Ion	Ratio	Lower	Upper
69	100		
41	52.4	43.5	65.3
39	33.6	27.0	40.6





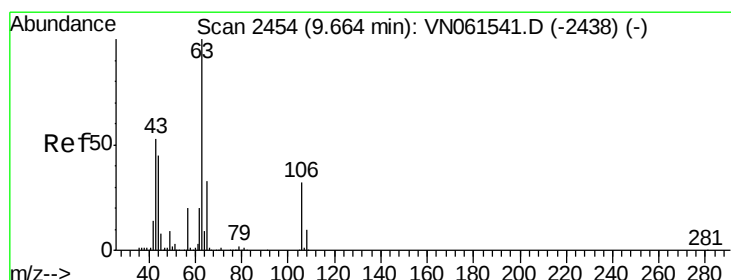
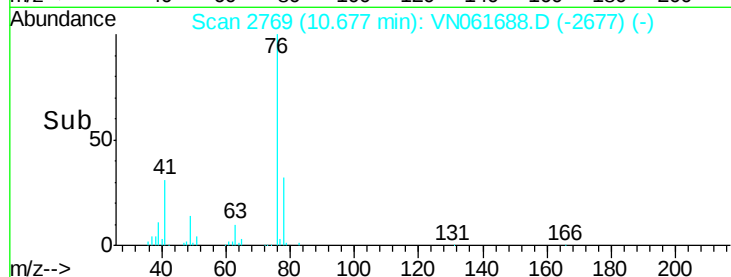
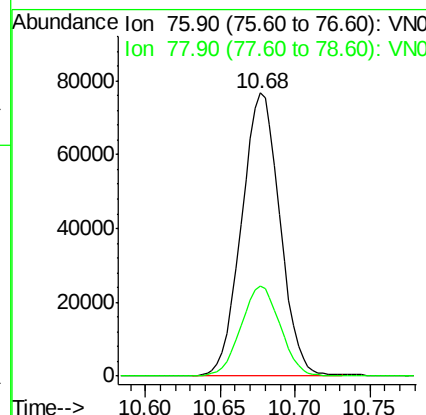
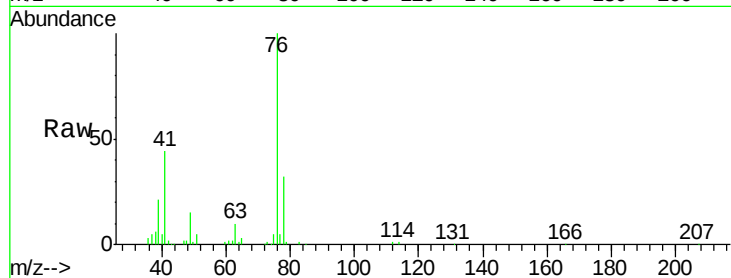
#57
 1,3-Dichloropropane
 Concen: 19.079 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

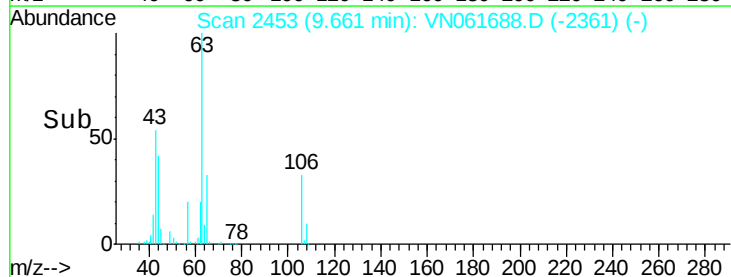
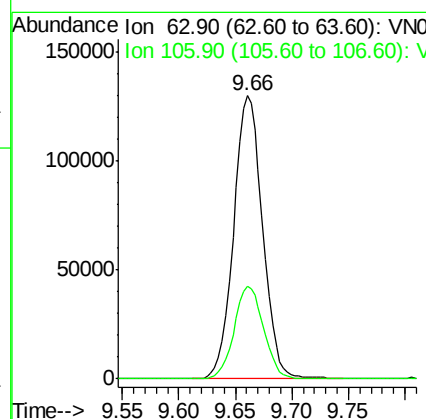
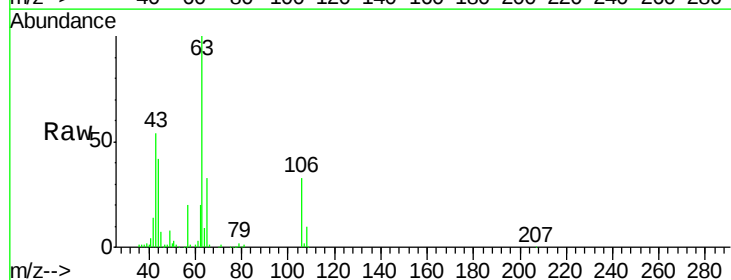
Manual Integrations
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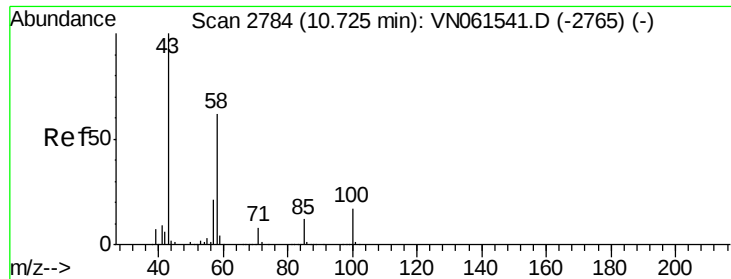
MMDadoda
 6/9/2020 1:46:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.956 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.3	25.9	38.9





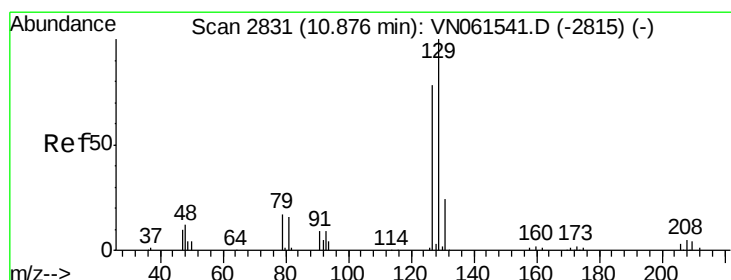
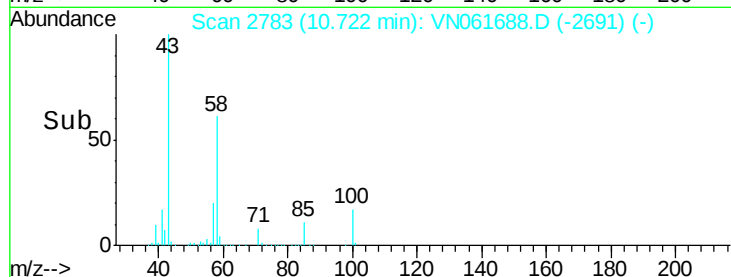
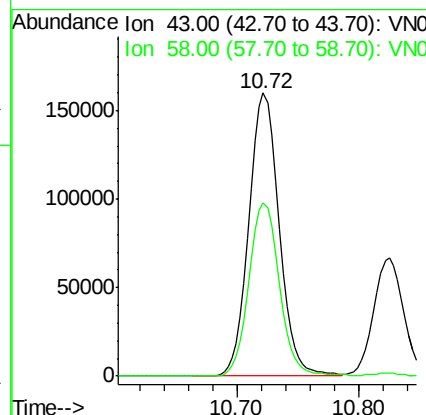
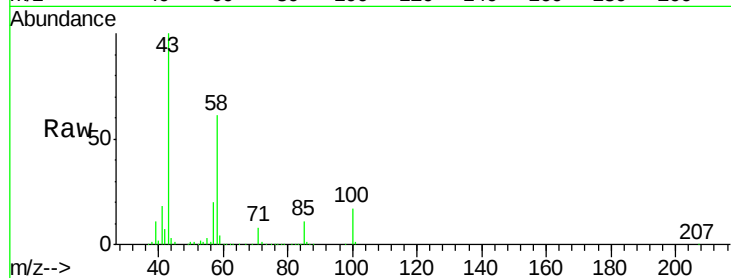
#59
2-Hexanone
Concen: 82.991 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 43 Resp: 272718
Ion Ratio Lower Upper
43 100
58 61.7 30.7 92.1

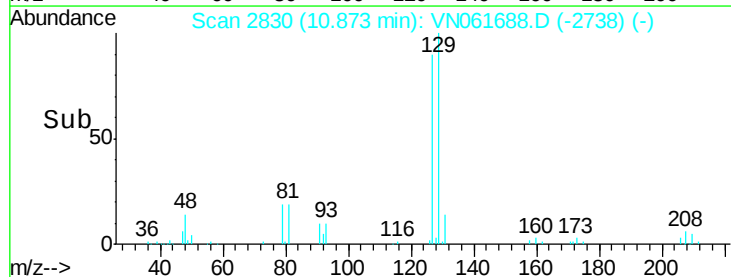
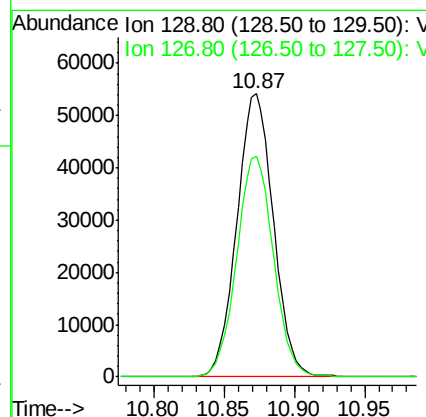
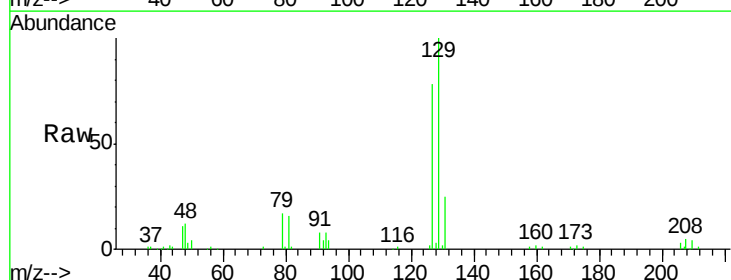
Manual Integrations
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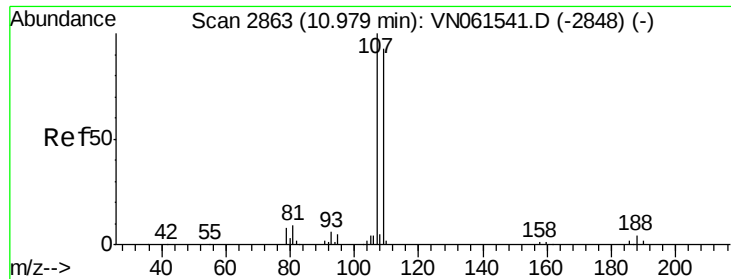
MMDadoda
6/9/2020 1:46:09 PM



#60
Dibromochloromethane
Concen: 19.250 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion: 129 Resp: 98388
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.3





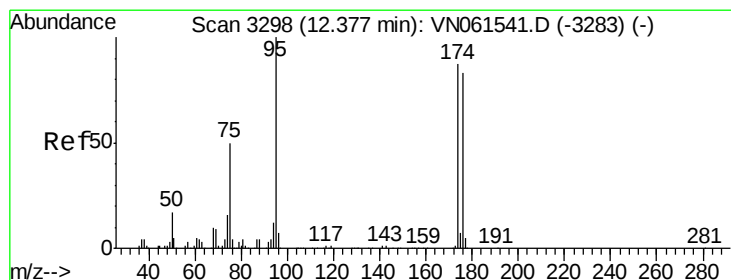
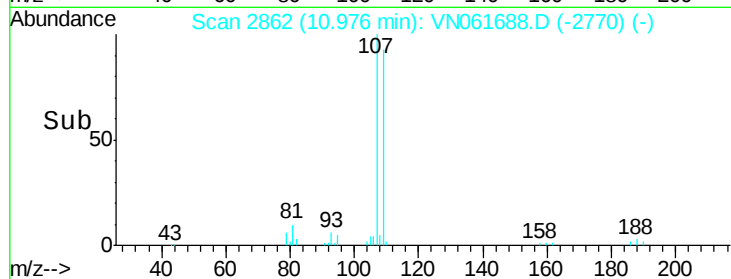
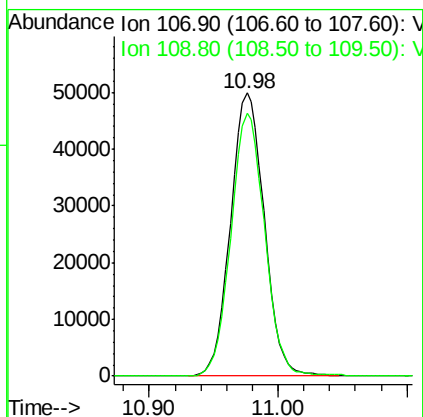
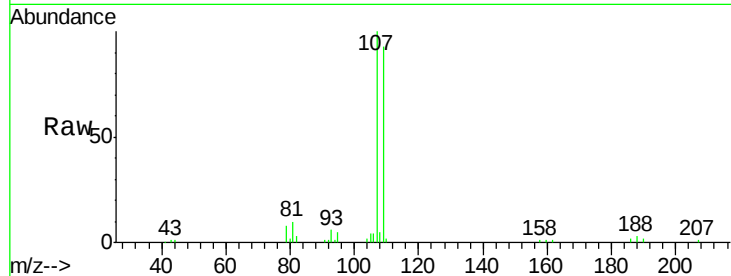
#61
 1,2-Dibromoethane
 Concen: 19.350 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	76.1	114.1

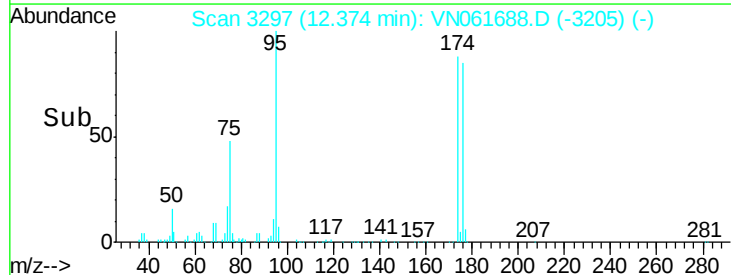
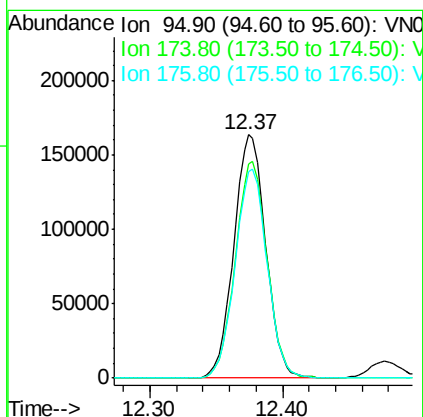
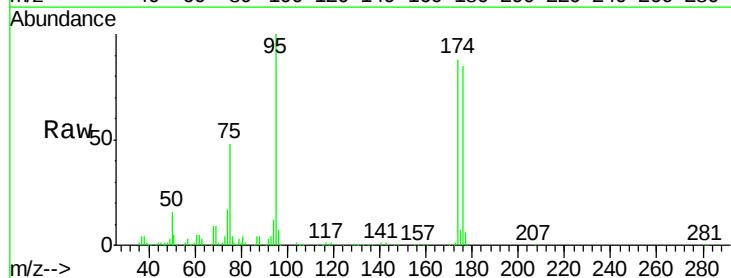
Manual Integrations
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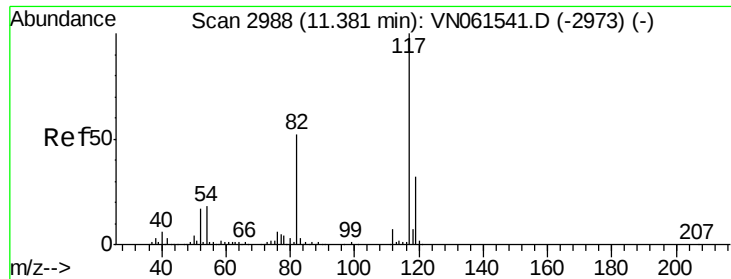
MMDadoda
 6/9/2020 1:46:09 PM



#62
 4-Bromofluorobenzene
 Concen: 50.281 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	172.8
176	86.2	0.0	164.8





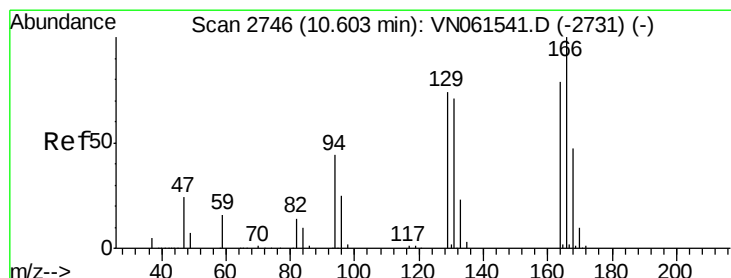
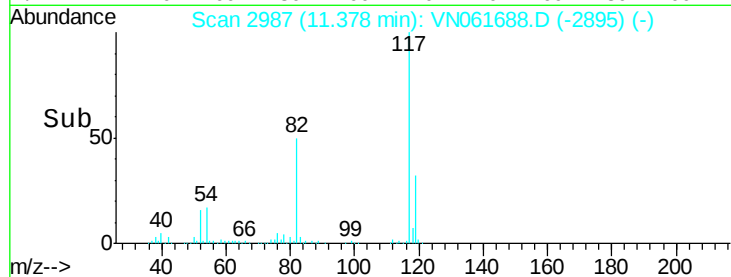
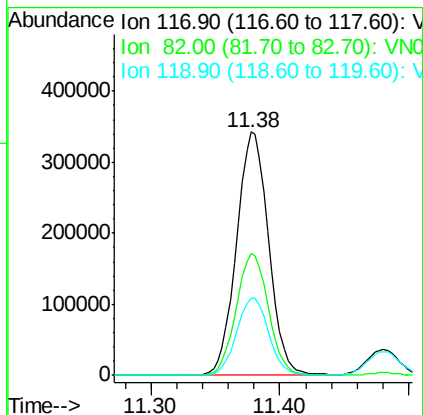
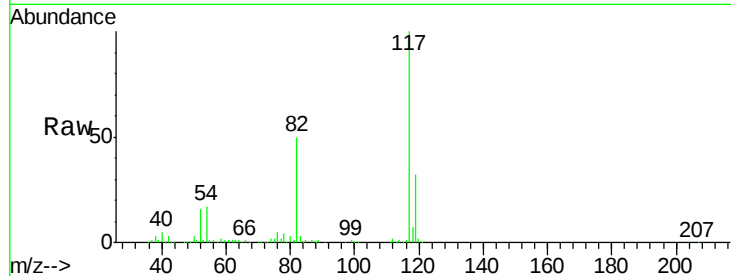
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	592972		
82	50.2		41.5	62.3
119	31.8		25.6	38.4

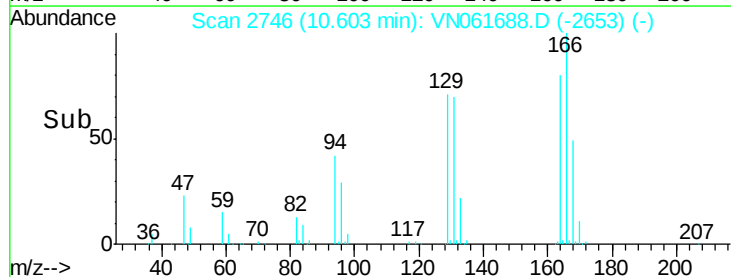
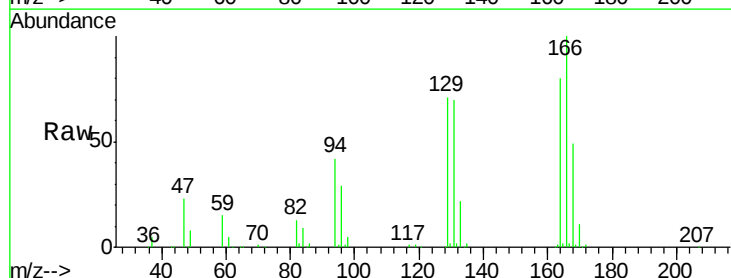
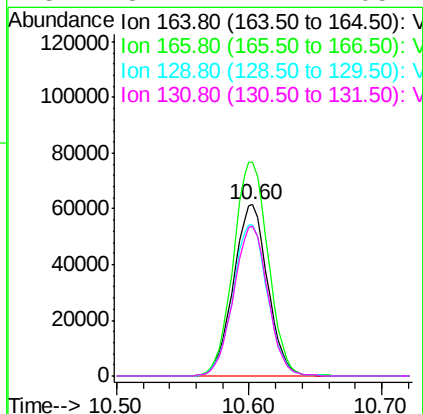
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.754 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110261		
166	124.6		101.5	152.3
129	88.0		74.9	112.3
131	87.1		72.2	108.2





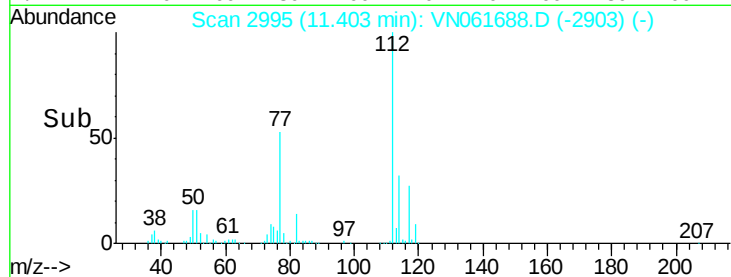
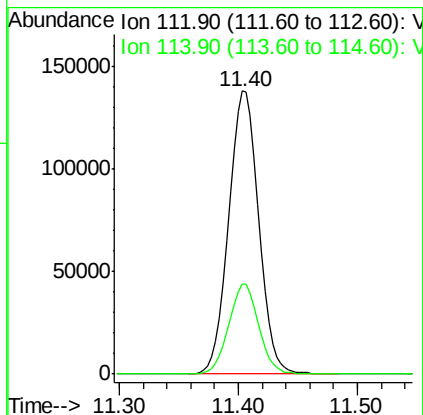
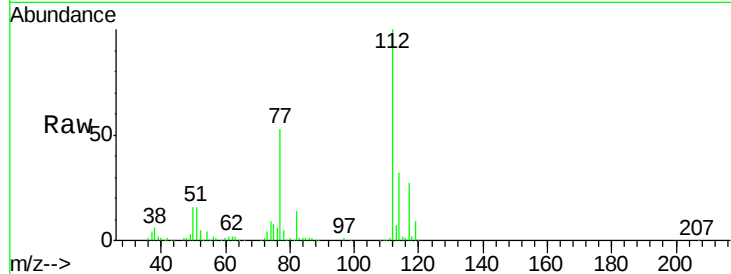
#65
Chlorobenzene
Concen: 19.614 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5

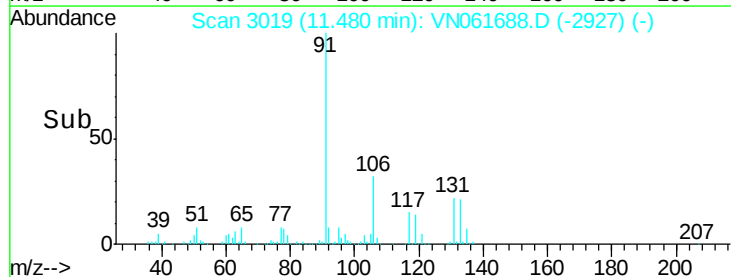
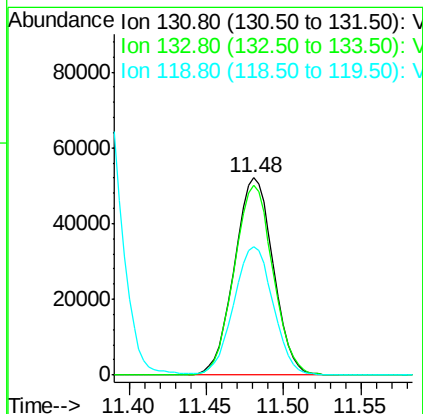
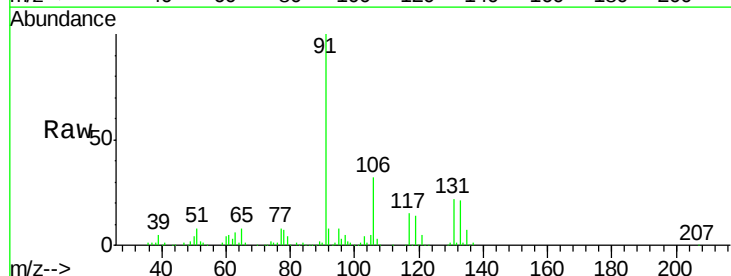
Manual Integrations
APPROVED

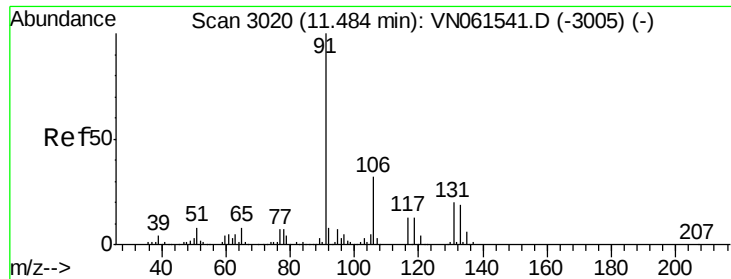
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.834 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.4	142.2
119	66.1	32.6	97.8





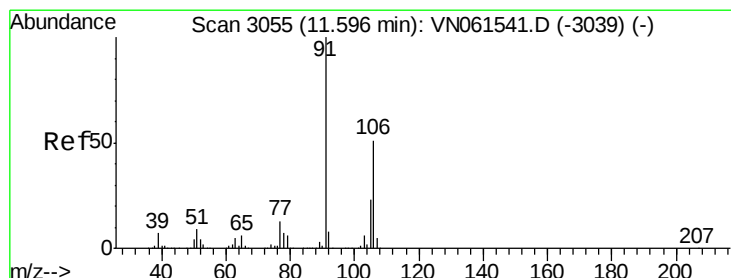
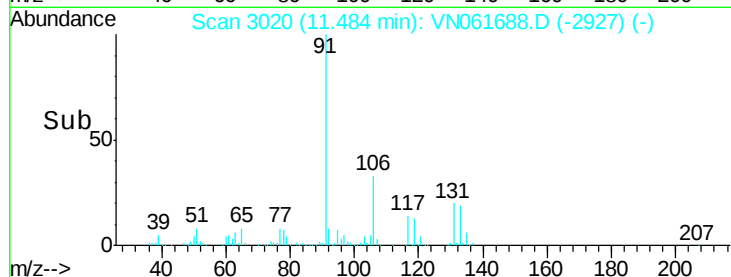
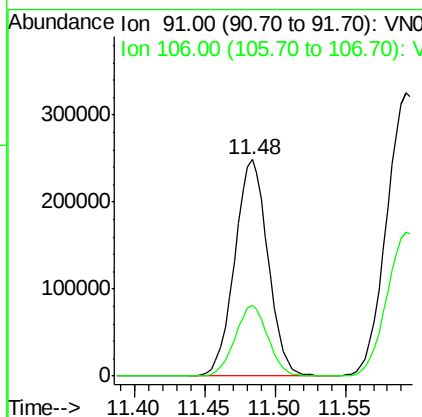
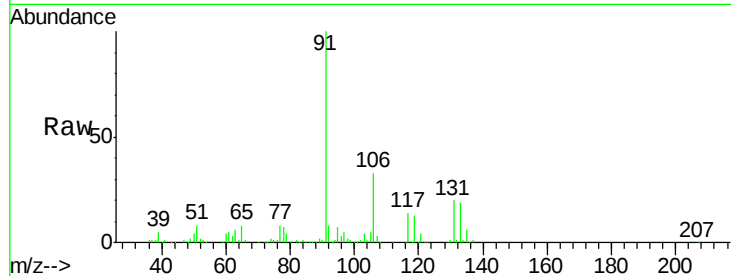
#67
Ethyl Benzene
Concen: 19.330 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion: 91 Resp: 411807
Ion Ratio Lower Upper
91 100
106 32.6 25.6 38.4

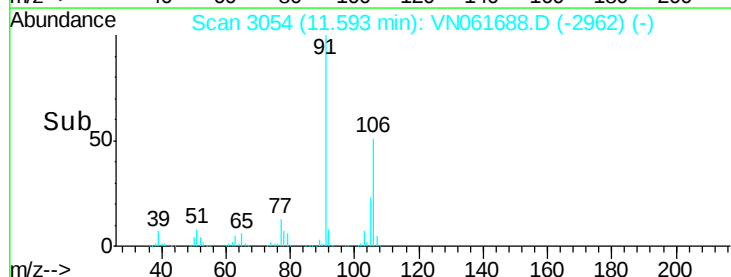
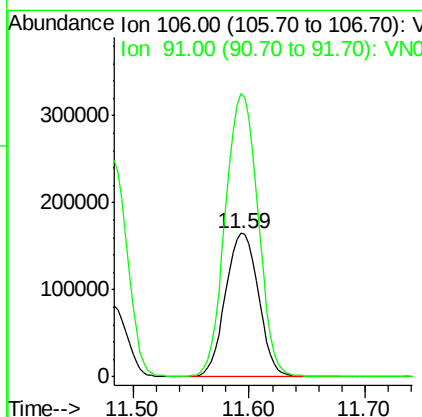
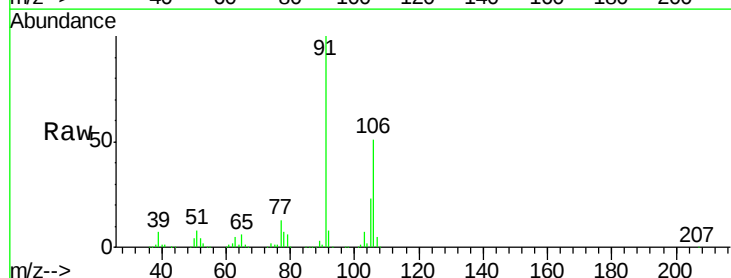
Manual Integrations
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#68
m/p-Xylenes
Concen: 38.542 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion: 106 Resp: 325560
Ion Ratio Lower Upper
106 100
91 195.1 156.2 234.4





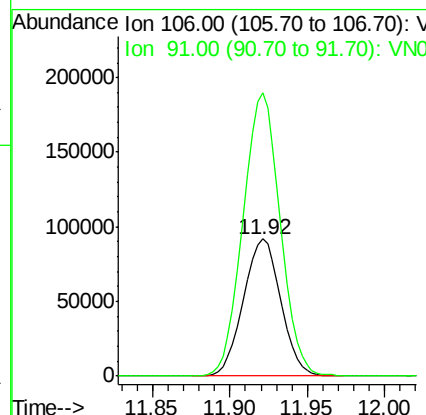
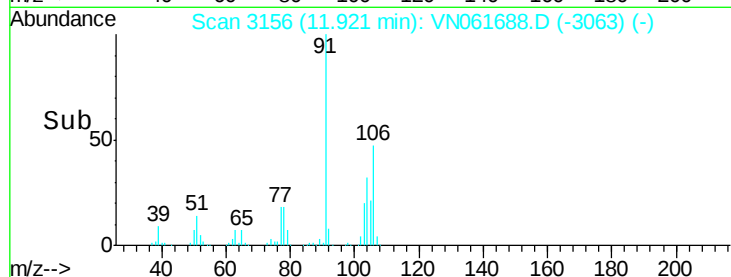
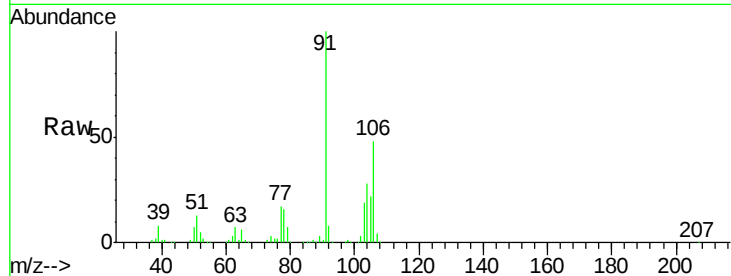
#69
o-Xylene
Concen: 19.293 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	154790		
91	91	205.5	103.3	309.8	

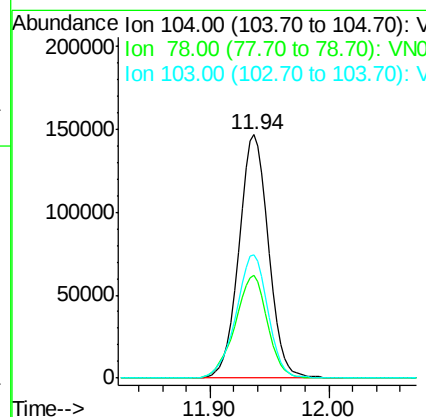
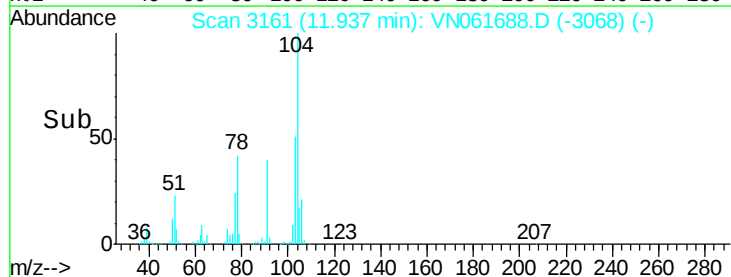
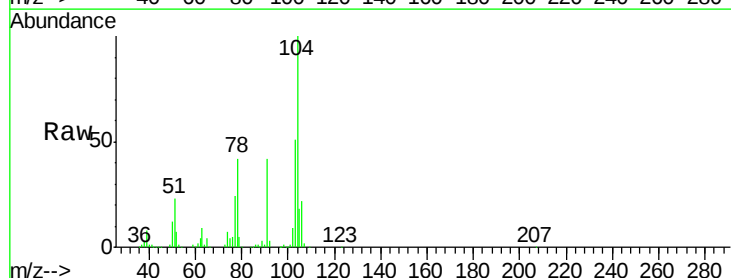
Manual Integrations
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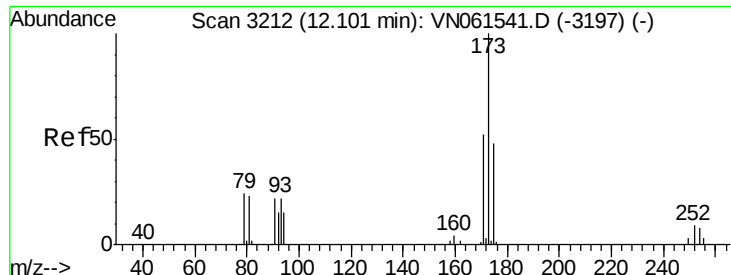
MMDadoda
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#70
Styrene
Concen: 19.004 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	252490		
78	78	46.4	37.4	56.0	
103	103	54.7	42.3	63.5	





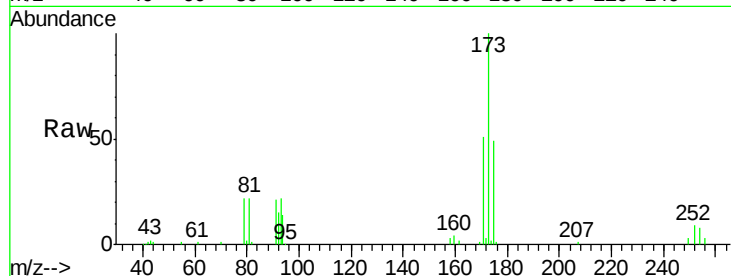
#71
Bromoform
Concen: 19.081 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampled :
VN0608WBS01

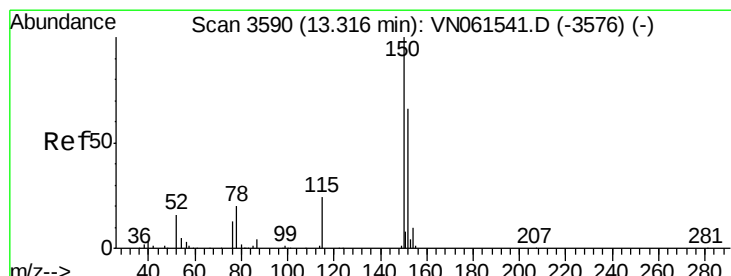
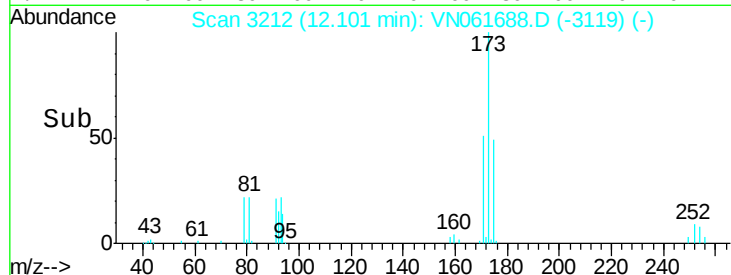
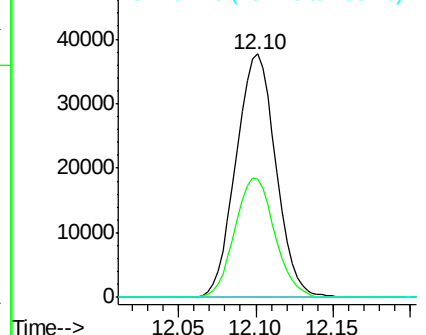
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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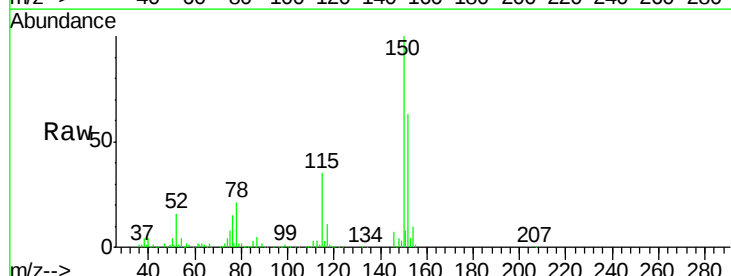


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

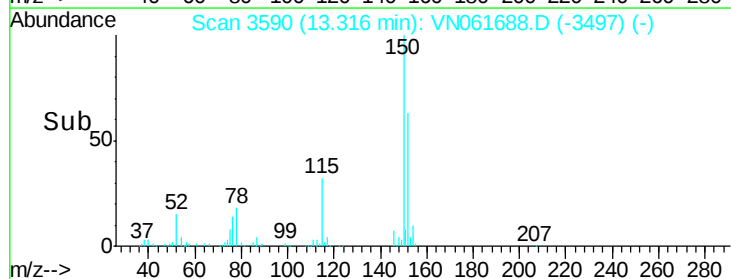
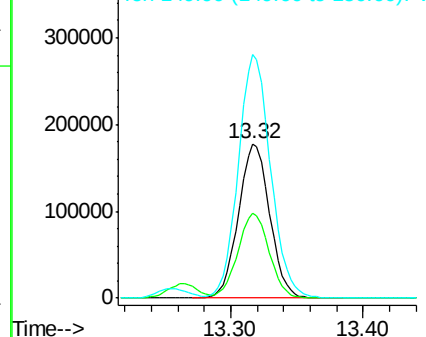


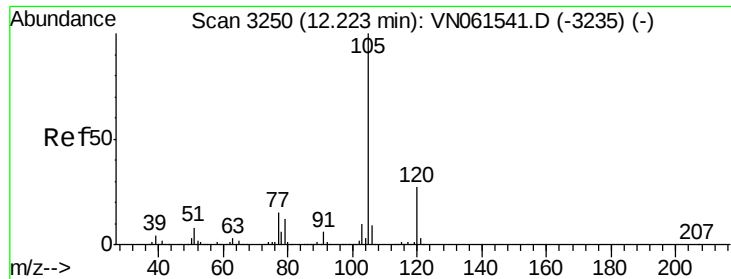
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.0	84.0
150	163.1	0.0	344.0



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: 19.453 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 105 Resp: 411862

Ion Ratio Lower Upper

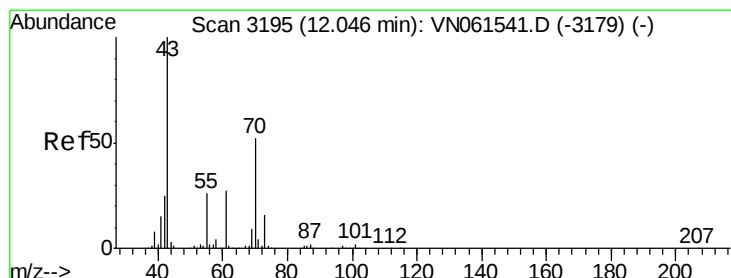
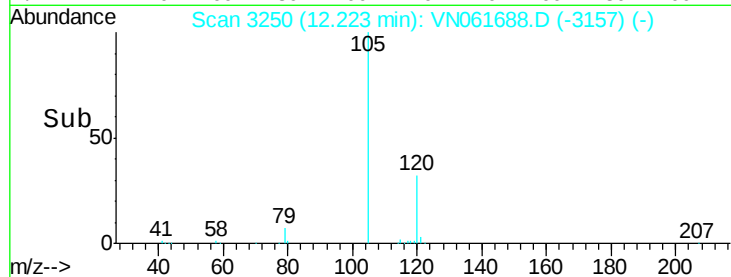
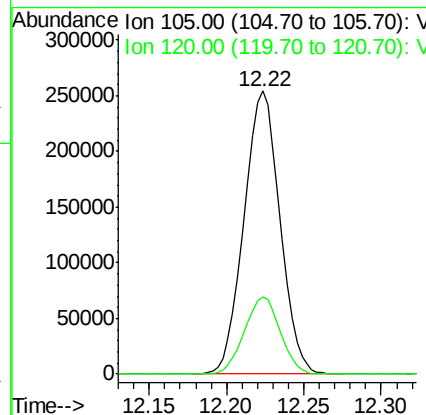
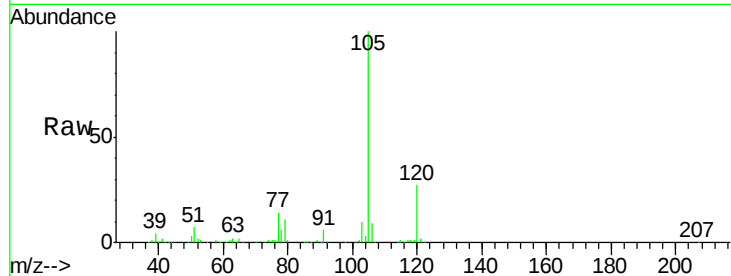
105 100

120 27.2 13.8 41.3

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#74

N-ethyl acetate

Concen: 16.510 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion: 43 Resp: 110082

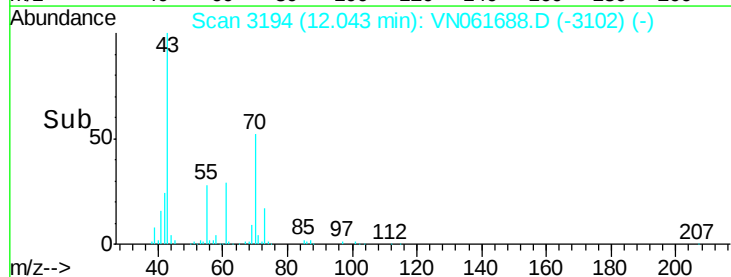
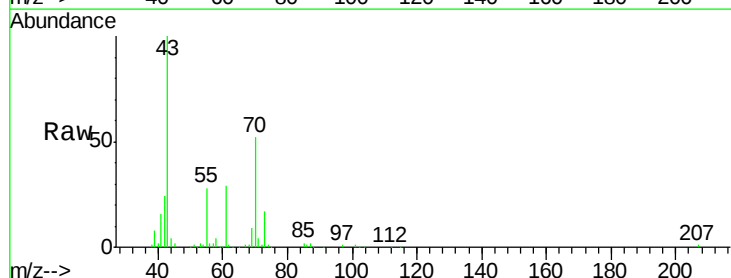
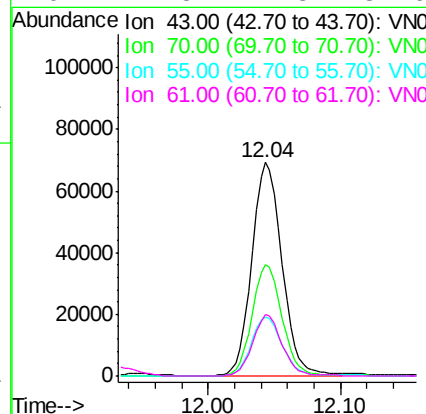
Ion Ratio Lower Upper

43 100

70 52.0 40.5 60.7

55 28.1 20.6 31.0

61 27.8 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.266 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion: 83 Resp: 108377

Ion Ratio Lower Upper

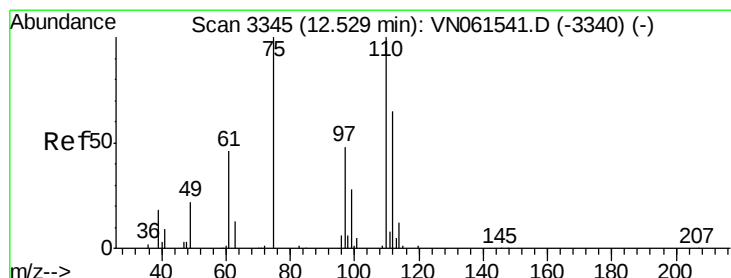
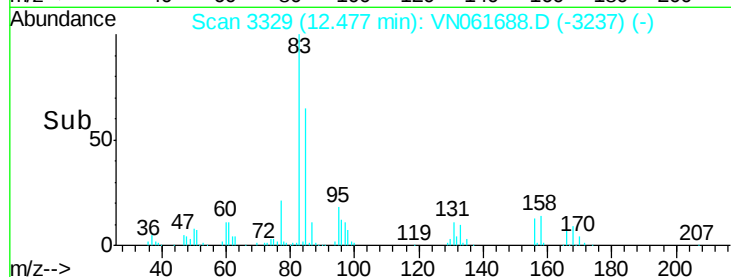
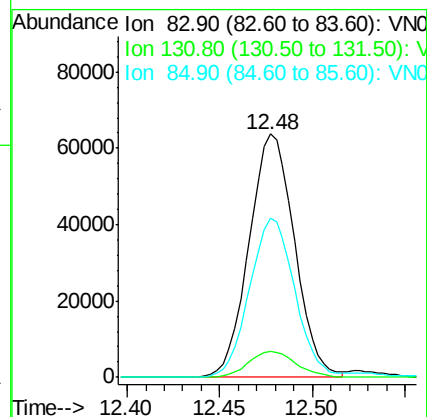
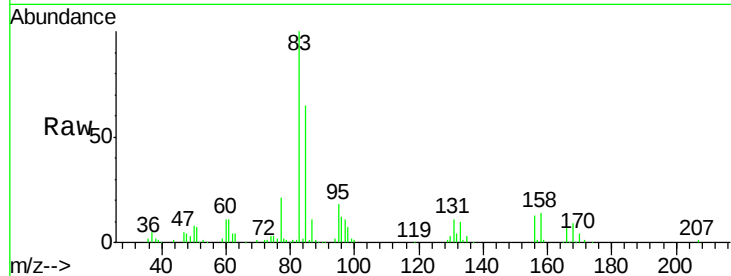
83 100

131 11.0 5.5 16.5

85 65.0 32.1 96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.441 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061688.D

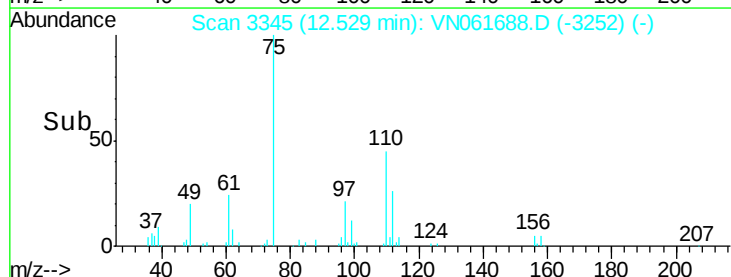
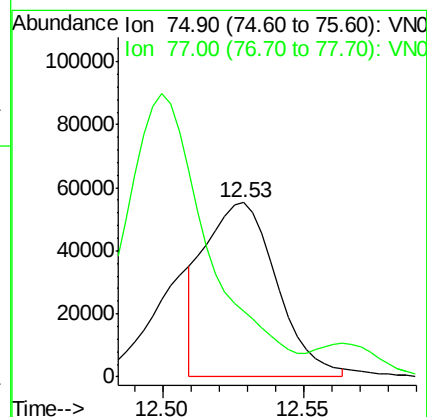
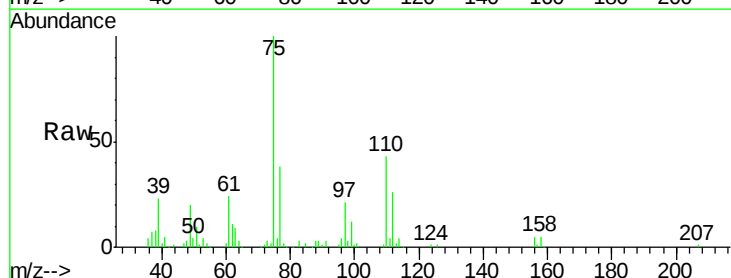
Acq: 8 Jun 2020 12:03

Tgt Ion: 75 Resp: 97273

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.641 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

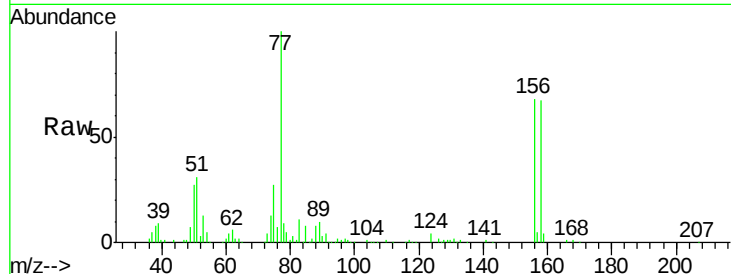
ClientSampleId :

VN0608WBS01

Tot Ion:	156	Resp:	106147
Ion Ratio	Lower	Upper	
156	100		
77	173.7	90.9	272.7
158	99.7	48.4	145.3

Manual Integrations
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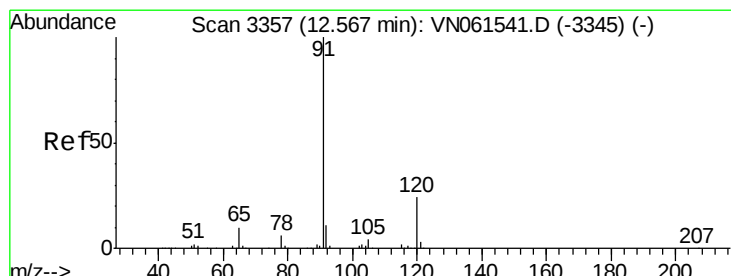
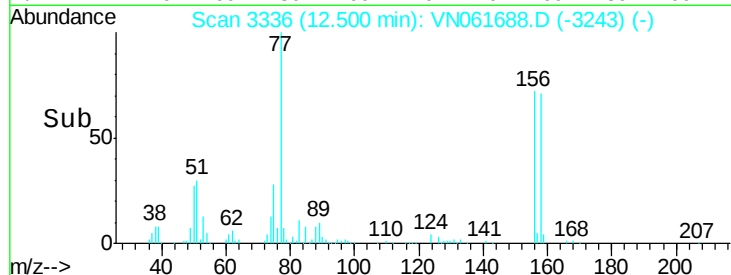
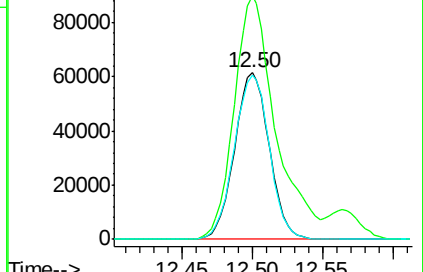
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.045 ug/l

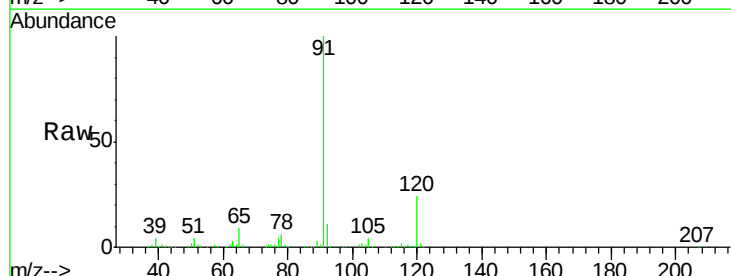
RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN061688.D

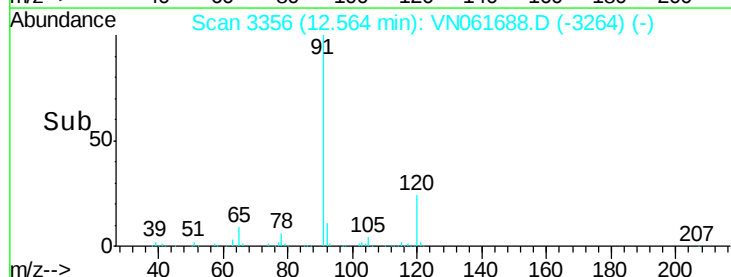
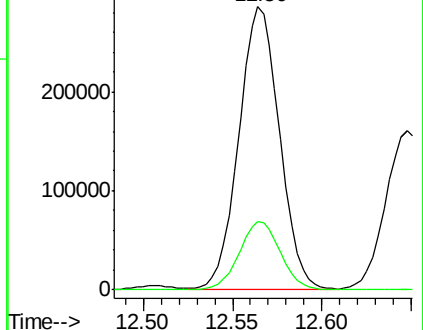
Acq: 8 Jun 2020 12:03

Tgt Ion:	91	Resp:	450153
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.999 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

VN0608WBS01

Tot Ion: 91 Resp: 267764

Ion Ratio Lower Upper

91 100

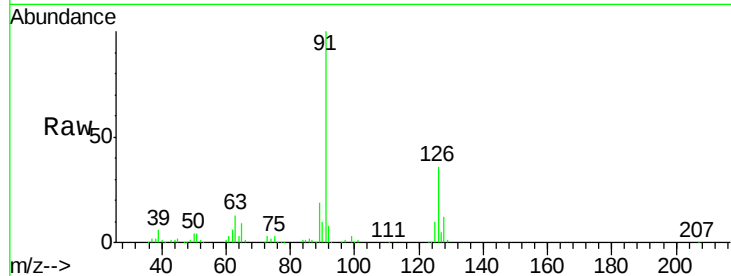
126 36.3 17.9 53.7

Manual Integrations

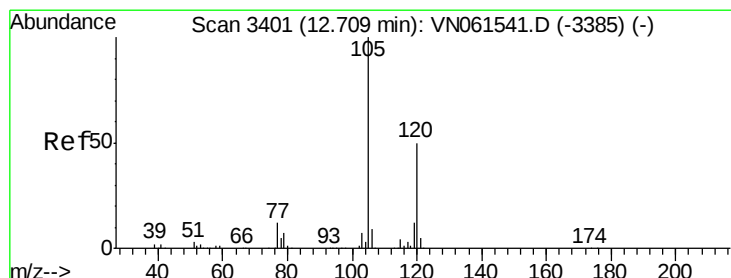
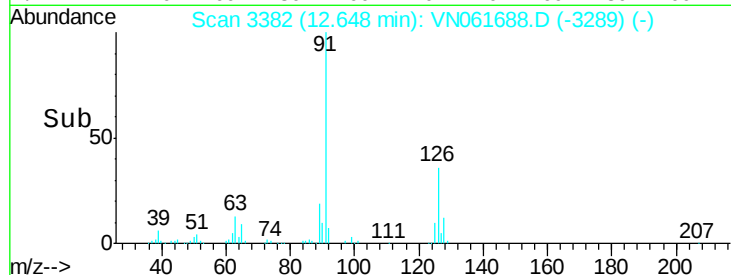
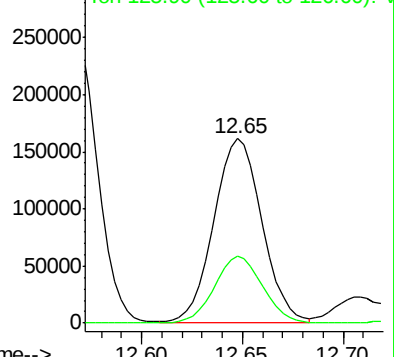
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Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.309 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061688.D

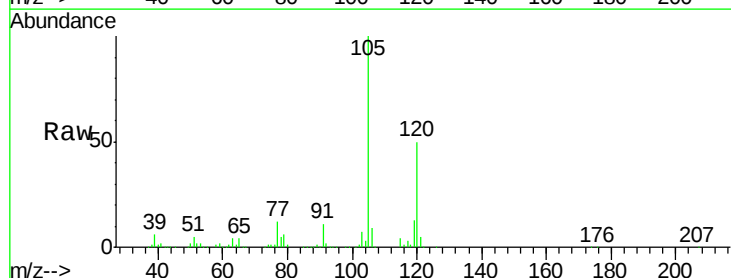
Acq: 8 Jun 2020 12:03

Tgt Ion: 105 Resp: 341695

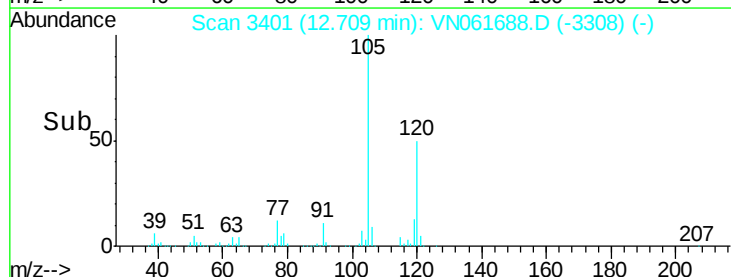
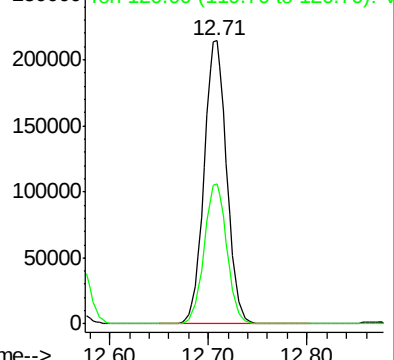
Ion Ratio Lower Upper

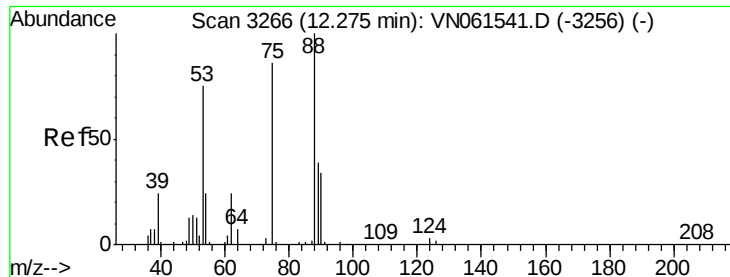
105 100

120 49.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.750 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

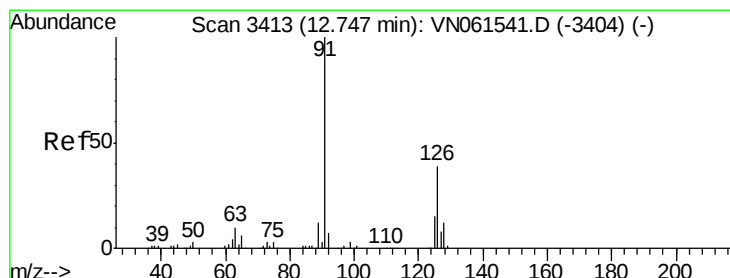
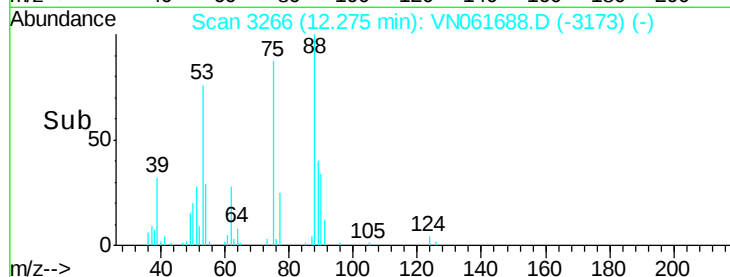
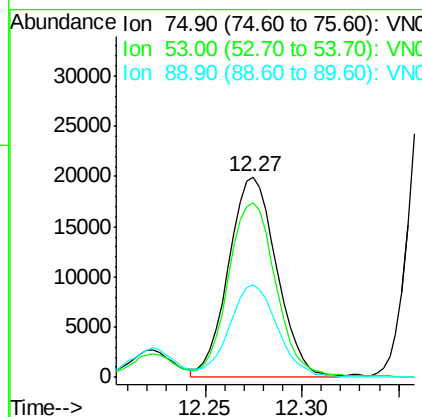
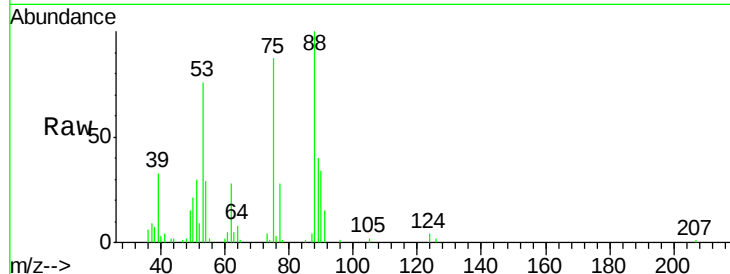
ClientSampleId :

VN0608WBS01

Tot Ion:	75	Resp:	34550
Ion	Ratio	Lower	Upper
75	100		
53	84.9	67.8	101.8
89	46.5	37.1	55.7

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#82

4-Chlorotoluene

Concen: 18.660 ug/l

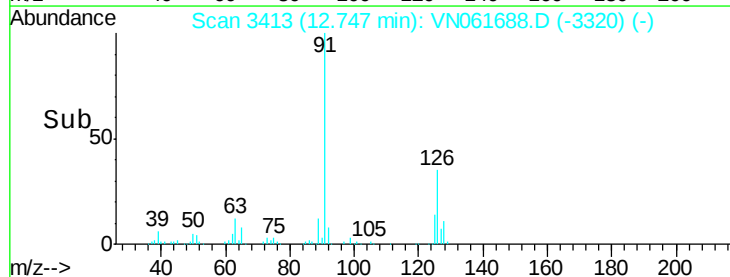
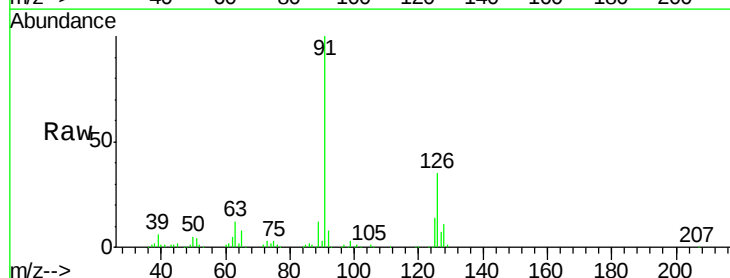
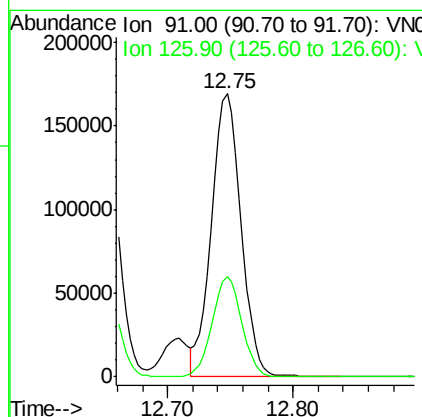
RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion:	91	Resp:	276676
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.6





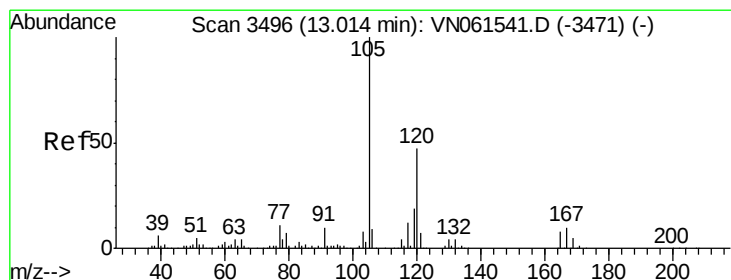
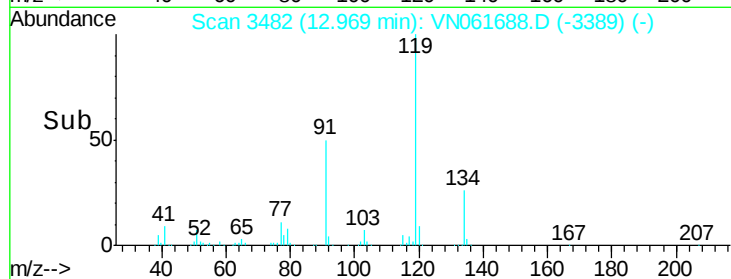
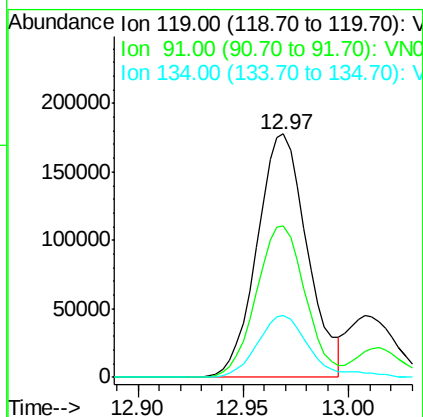
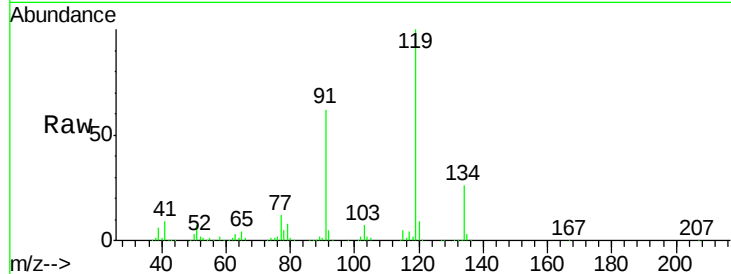
#83
 tert-Butylbenzene
 Concen: 18.822 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294294		
91	60.8	31.3	93.8	
134	26.6	13.5	40.4	

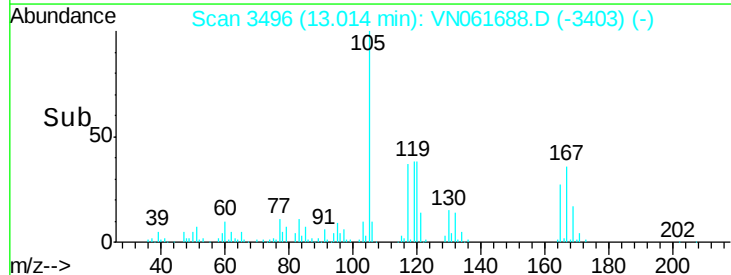
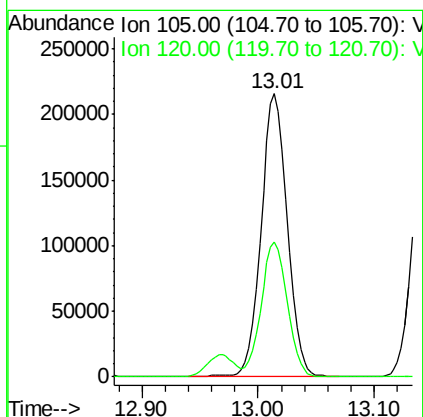
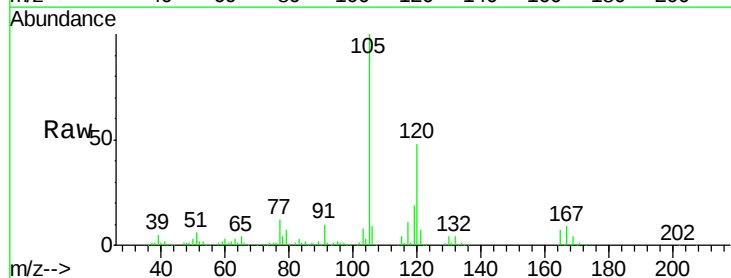
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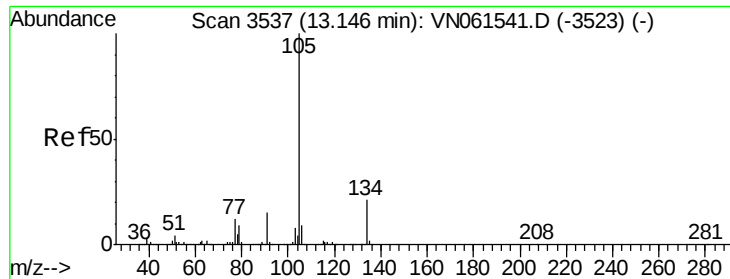
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.312 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	339506		
120	47.3	23.2	69.5	





#85

sec-Butylbenzene

Concen: 18.685 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN0608WBS01

Tot Ion:105 Resp: 376462

Ion Ratio Lower Upper

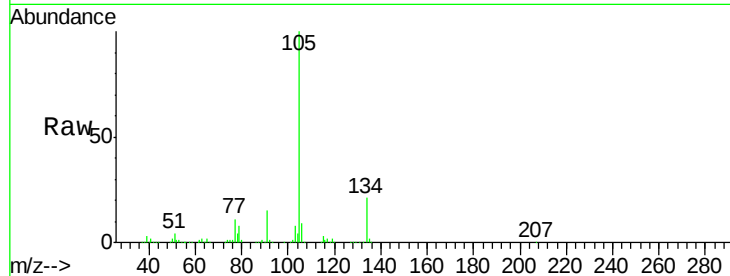
105 100

134 21.0 10.7 31.9

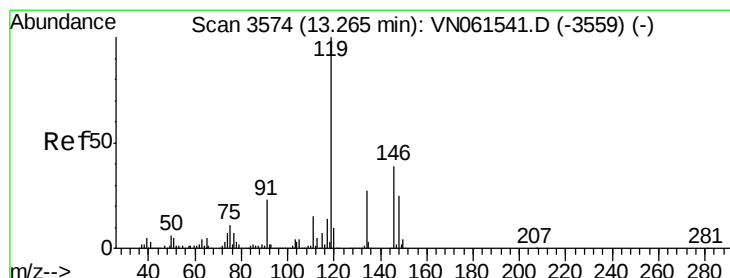
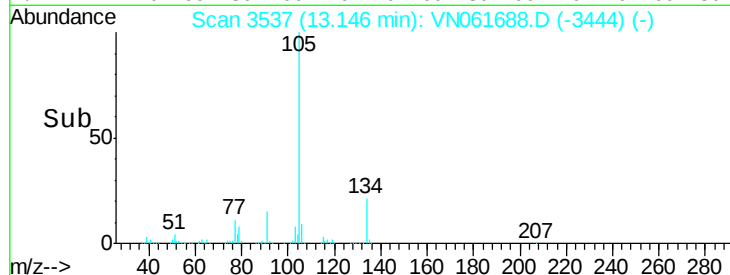
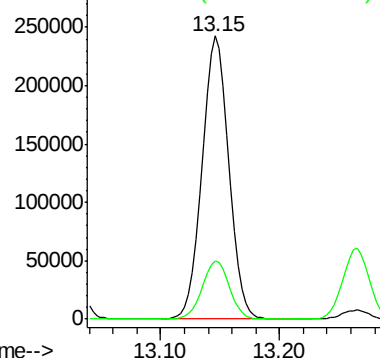
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.060 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

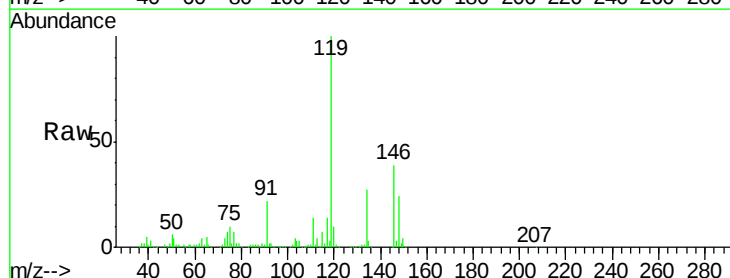
Tgt Ion:119 Resp: 353647

Ion Ratio Lower Upper

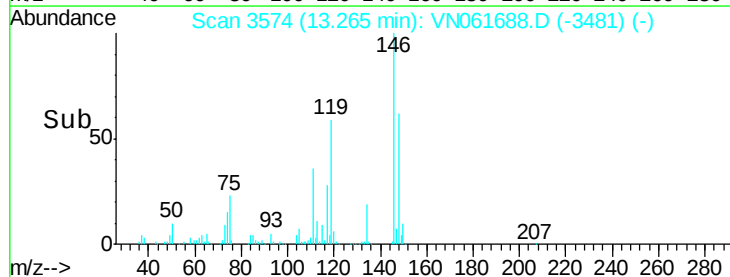
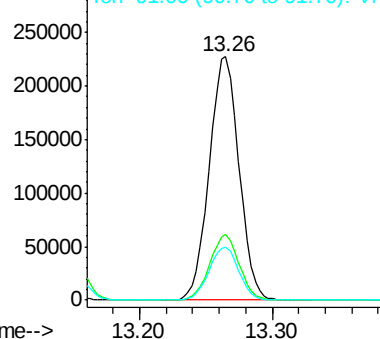
119 100

134 26.5 13.5 40.5

91 21.9 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





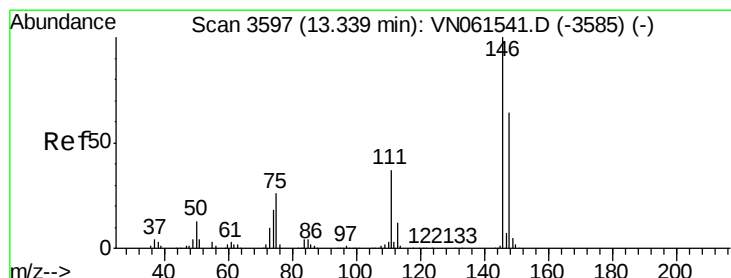
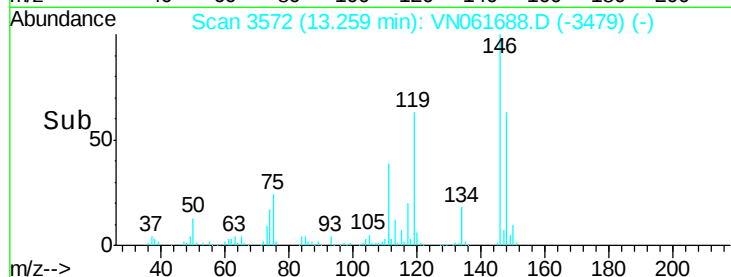
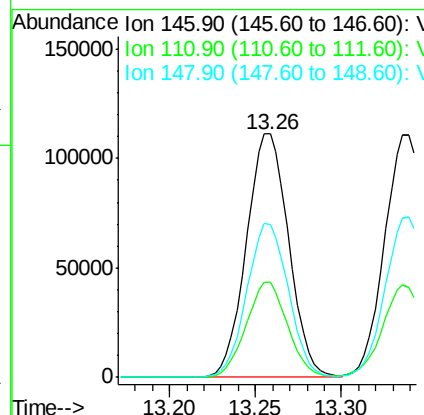
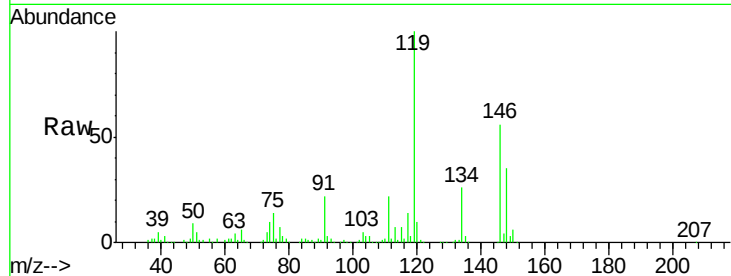
#87
 1,3-Dichlorobenzene
 Concen: 19.773 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189230		
111	38.3	19.2	57.6	
148	62.3	31.7	95.1	

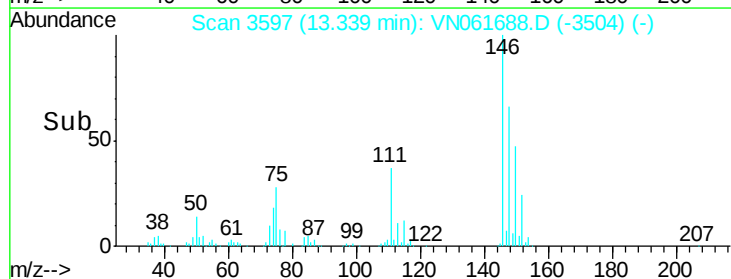
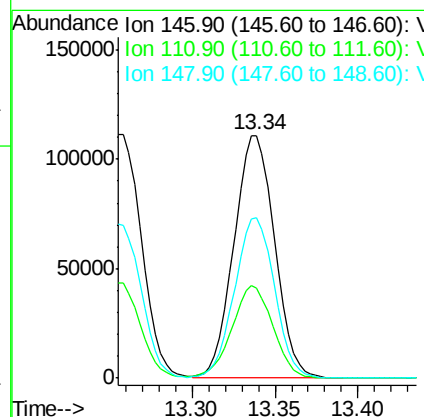
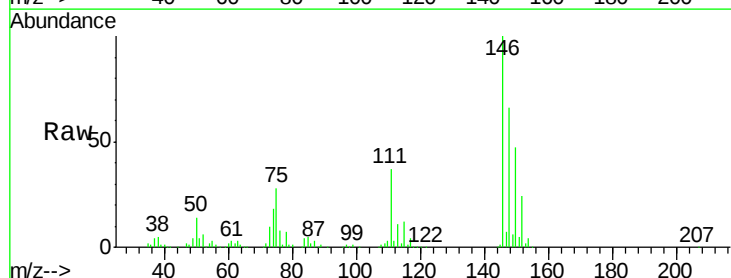
Manual Integrations
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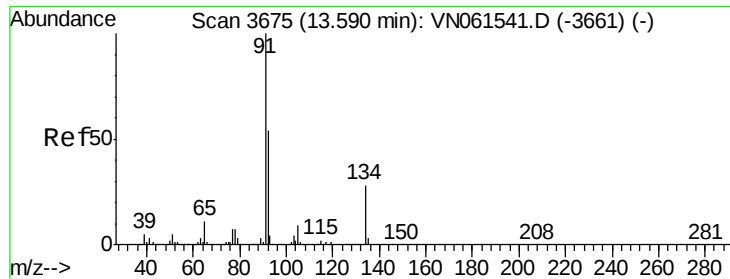
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#88
 1,4-Dichlorobenzene
 Concen: 19.298 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	188143		
111	38.8	18.9	56.9	
148	65.7	31.8	95.3	





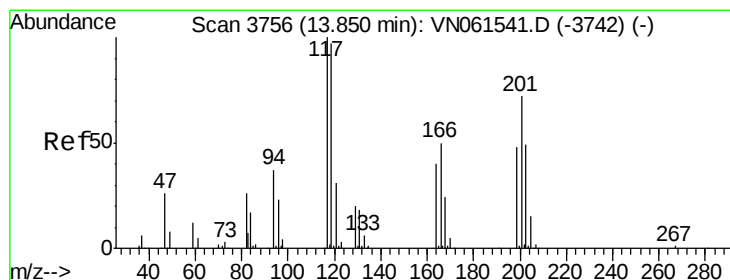
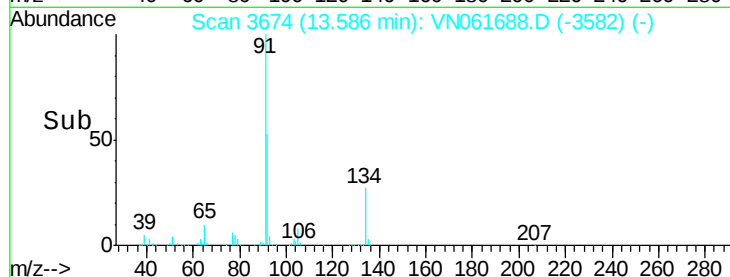
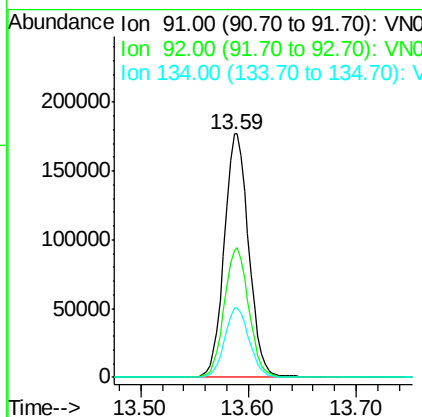
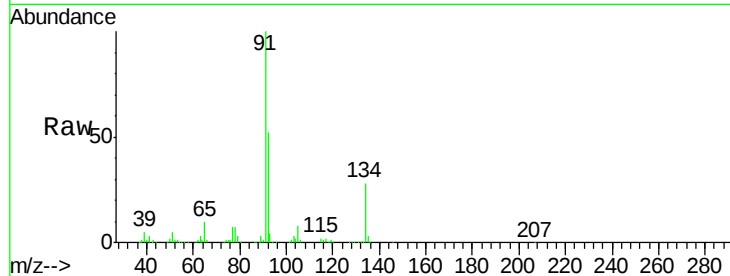
#89
n-Butylbenzene
Concen: 17.986 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN0608WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.2	81.6
134	28.6	14.0	42.0

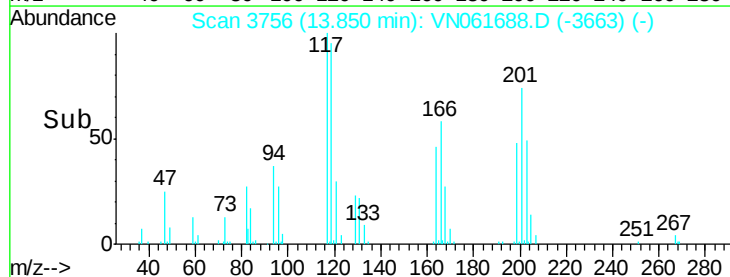
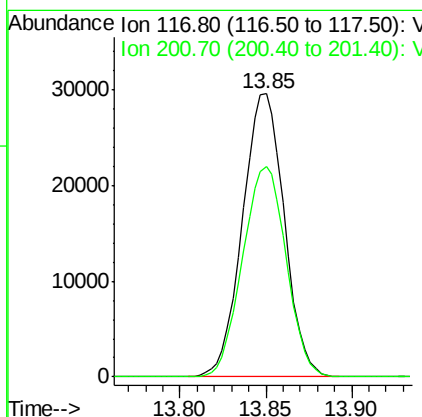
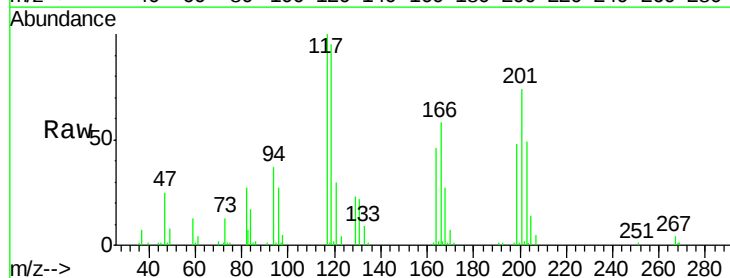
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#90
Hexachloroethane
Concen: 24.302 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061688.D
Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.4	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 19.708 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

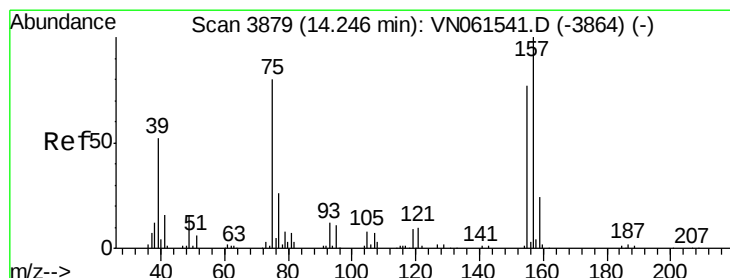
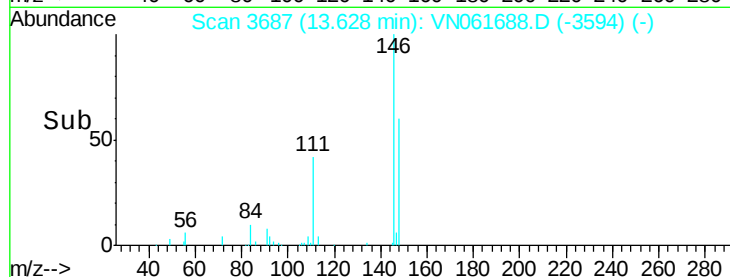
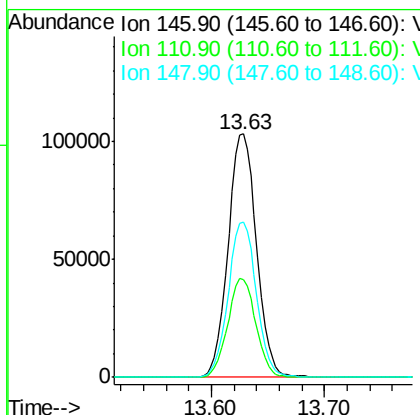
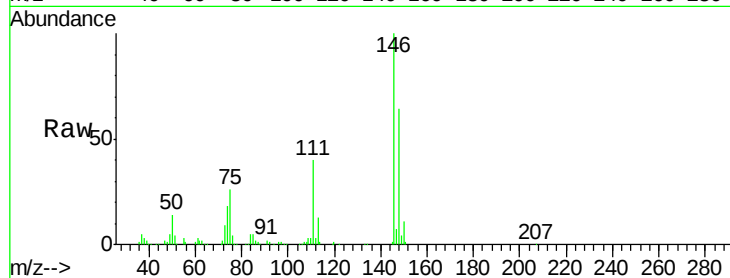
ClientSampled :

VN0608WBS01

Tot Ion:	146	Resp:	180248
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.1	60.2
148	63.4	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 15.264 ug/l

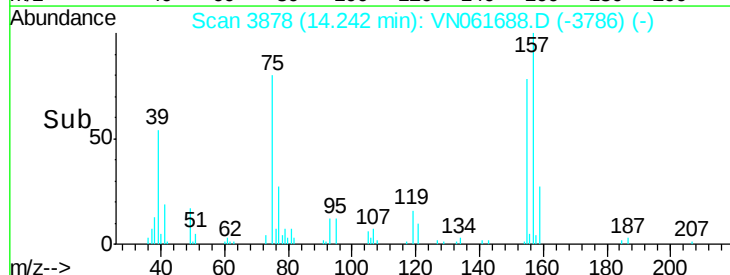
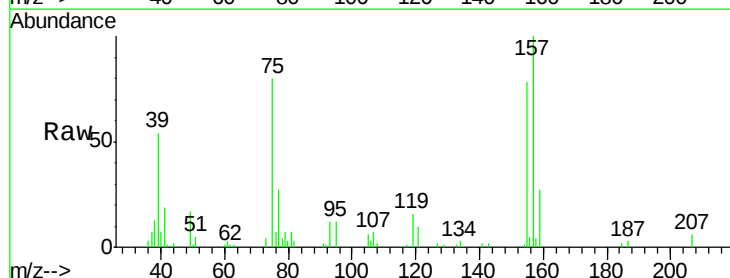
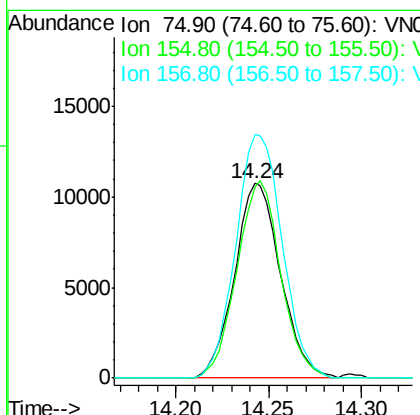
RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion:	75	Resp:	18470
Ion Ratio	Lower	Upper	
75	100		
155	96.8	47.1	141.4
157	126.7	60.3	180.8





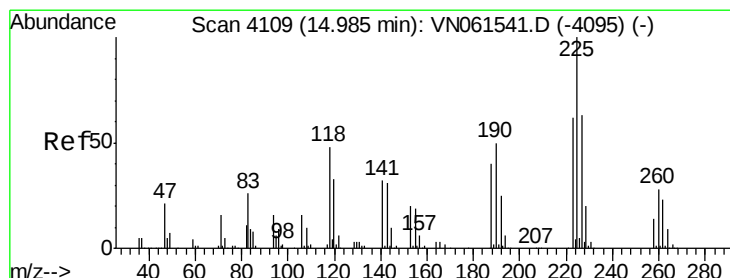
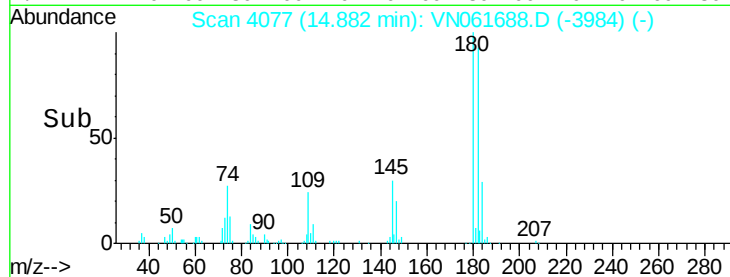
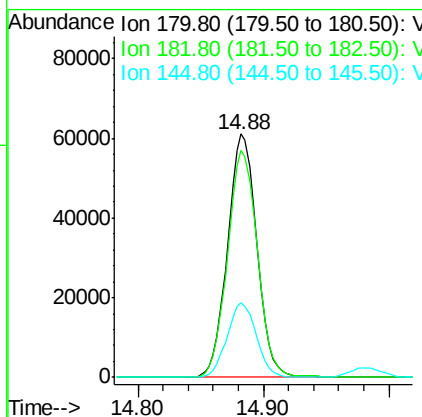
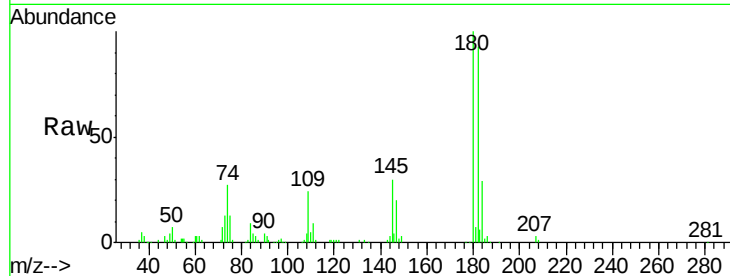
#93
 1,2,4-Trichlorobenzene
 Concen: 18.518 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	99049		
182	94.8	47.8	143.3	
145	30.3	15.5	46.5	

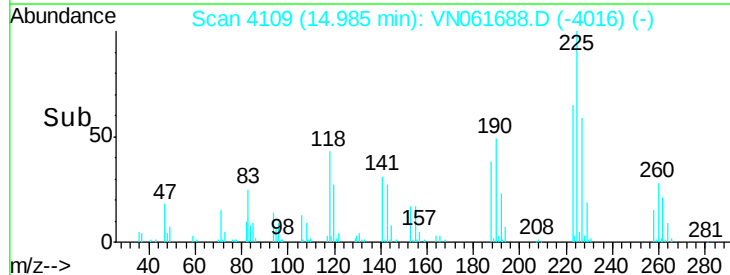
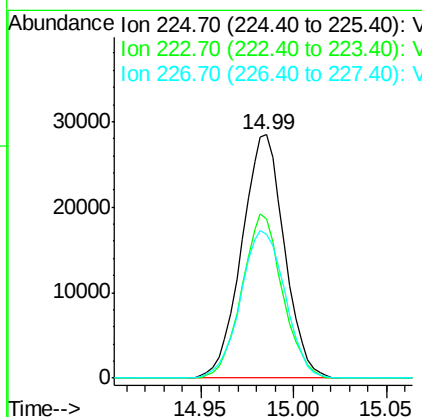
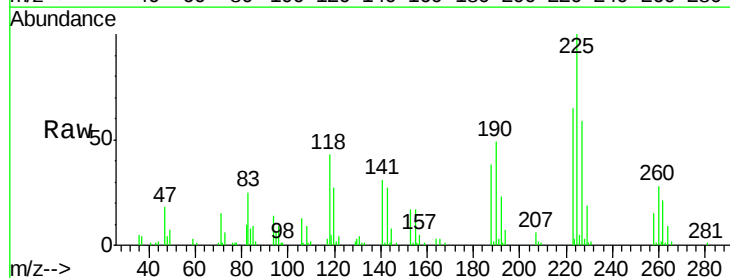
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 19.944 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061688.D
 Acq: 8 Jun 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45496		
223	64.2	31.9	95.5	
227	63.4	31.9	95.9	





#95

Naphthalene

Concen: 16.506 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Instrument :

MSVOA_N

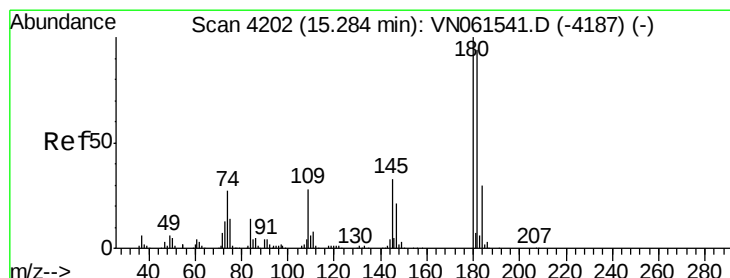
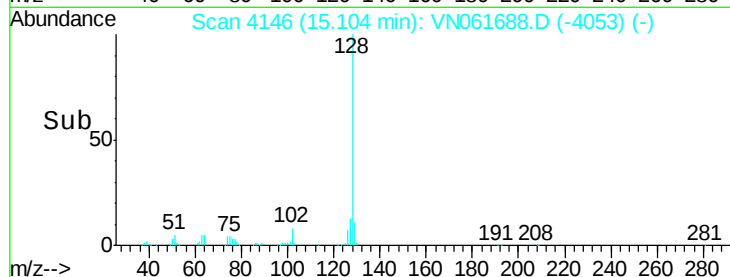
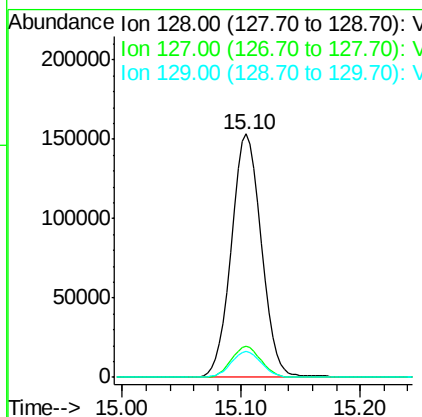
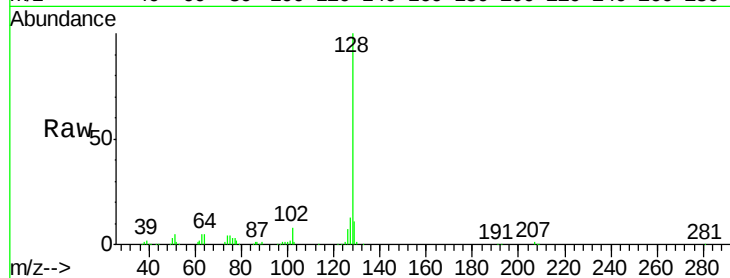
ClientSampleId :

VN0608WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		268717		
127	12.8		10.0	15.0	
129	10.8		8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
6/9/2020 1:46:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.209 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061688.D

Acq: 8 Jun 2020 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		95760		
182	96.4		47.1	141.3	
145	32.9		16.3	48.9	

