

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061615.D
 Acq On : 2 Jun 2020 13:01
 Operator : JC/MD
 Sample : VN0602WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:32:22 AM

Quant Time: Jun 03 02:04:09 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	7.63	168	355370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	605839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	572825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	275304	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	215617	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.55	113	170221	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.06	98	717803	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.37	95	261511	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	78887	19.933	ug/l	95
3) Chloromethane	2.03	50	83143	19.182	ug/l	99
4) Vinyl Chloride	2.16	62	112672	18.969	ug/l	100
5) Bromomethane	2.54	94	70070	20.559	ug/l	97
6) Chloroethane	2.67	64	70752	18.506	ug/l	99
7) Trichlorofluoromethane	2.98	101	163546	21.352	ug/l	98
8) Diethyl Ether	3.37	74	42550	18.167	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	64881	19.089	ug/l	100
10) Methyl Iodide	3.91	142	90409	19.161	ug/l	99
11) Tert butyl alcohol	4.73	59	50086	88.935	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	67804	18.672	ug/l	91
13) Acrolein	3.57	56	17409	86.691	ug/l	98
14) Allyl chloride	4.27	41	87038	18.334	ug/l	98
15) Acrylonitrile	4.93	53	138642	88.199	ug/l	99
16) Acetone	3.78	43	104289	85.288	ug/l	98
17) Carbon Disulfide	4.01	76	154875	19.386	ug/l	100
18) Methyl Acetate	4.27	43	65768	17.159	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	232669	18.800	ug/l	100
20) Methylene Chloride	4.50	84	75767	18.595	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	76010	18.561	ug/l	96
22) Diisopropyl ether	5.90	45	196375	18.768	ug/l	97
23) Vinyl Acetate	5.84	43	730805	87.632	ug/l	98
24) 1,1-Dichloroethane	5.80	63	123798	18.658	ug/l	99
25) 2-Butanone	6.79	43	166964	83.207	ug/l	99
26) 2,2-Dichloropropane	6.77	77	117188	19.297	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	89250	19.247	ug/l	100
28) Bromochloromethane	7.15	49	51712	19.922	ug/l	99
29) Tetrahydrofuran	7.17	42	110737	83.689	ug/l	98
30) Chloroform	7.33	83	139348	18.984	ug/l	97
31) Cyclohexane	7.61	56	108491	18.181	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	127743	19.099	ug/l	100
36) 1,1-Dichloropropene	7.75	75	101399	18.906	ug/l	99
37) Ethyl Acetate	6.88	43	77227	17.878	ug/l	99
38) Carbon Tetrachloride	7.73	117	98532	19.046	ug/l	98

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Quant Time: Jun 03 02:04:09 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)
39) Methylcyclohexane	9.05	83	101736	15.390	ug/l	97
40) Benzene	8.00	78	305495	18.461	ug/l	98
41) Methacrylonitrile	7.12	41	27031	13.658	ug/l	89
42) 1,2-Dichloroethane	8.08	62	102396	18.483	ug/l	99
43) Isopropyl Acetate	8.12	43	134739	17.337	ug/l	93
44) Trichloroethene	8.80	130	97598	19.191	ug/l	94
45) 1,2-Dichloropropane	9.08	63	72896	18.551	ug/l	97
46) Dibromomethane	9.17	93	54527	18.093	ug/l	99
47) Bromodichloromethane	9.37	83	112786	18.890	ug/l	100
48) Methyl methacrylate	9.17	41	59078	16.896	ug/l	99
49) 1,4-Dioxane	9.17	88	21092	389.378	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	377719	86.246	ug/l	100
52) Toluene	10.12	92	205363	19.014	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	116813	18.161	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	129489	18.723	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	82087	19.076	ug/l	96
56) Ethyl methacrylate	10.40	69	109157	18.160	ug/l	99
57) 1,3-Dichloropropane	10.68	76	127068	18.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	226846	88.309	ug/l	99
59) 2-Hexanone	10.72	43	262916	83.591	ug/l	100
60) Dibromochloromethane	10.87	129	91604	18.725	ug/l	100
61) 1,2-Dibromoethane	10.98	107	85526	19.057	ug/l	100
64) Tetrachloroethene	10.60	164	98559	18.278	ug/l	99
65) Chlorobenzene	11.41	112	224734	18.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	82367	18.578	ug/l	99
67) Ethyl Benzene	11.48	91	393893	19.140	ug/l	99
68) m/p-Xylenes	11.59	106	309134	37.884	ug/l	98
69) o-Xylene	11.92	106	148091	19.108	ug/l	100
70) Styrene	11.94	104	245520	19.129	ug/l	99
71) Bromoform	12.10	173	60422	17.686	ug/l #	100
73) Isopropylbenzene	12.22	105	380729	18.948	ug/l	99
74) N-amyl acetate	12.04	43	115674	18.280	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	101095	17.954	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	92926m	18.563	ug/l	
77) Bromobenzene	12.50	156	99766	19.451	ug/l	99
78) n-propylbenzene	12.56	91	411552	18.347	ug/l	99
79) 2-Chlorotoluene	12.65	91	252310	18.863	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	311617	18.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	31878	16.284	ug/l	94
82) 4-Chlorotoluene	12.75	91	260411	18.506	ug/l	100
83) tert-Butylbenzene	12.97	119	256638	17.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	316162	18.950	ug/l	100
85) sec-Butylbenzene	13.15	105	318367	16.650	ug/l	100
86) p-Isopropyltoluene	13.26	119	292928	16.635	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	172277	18.968	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	172624	18.657	ug/l	98
89) n-Butylbenzene	13.59	91	237262	16.087	ug/l	99
90) Hexachloroethane	13.85	117	34432	17.681	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	164855	18.993	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19397	16.891	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0602WBSD01

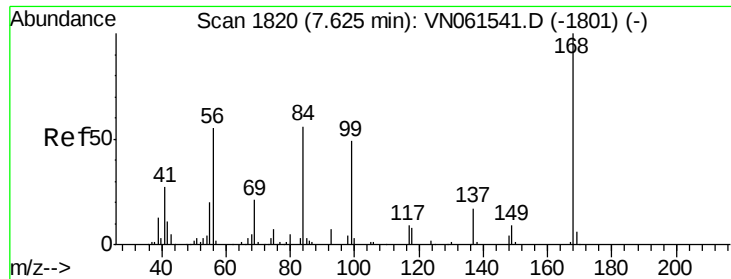
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	86547	17.049	ug/l	99
94) Hexachlorobutadiene	14.98	225	26919	12.434	ug/l	99
95) Naphthalene	15.10	128	286210	18.524	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	83716	16.773	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion:168 Resp: 355370

Ion Ratio Lower Upper

168 100

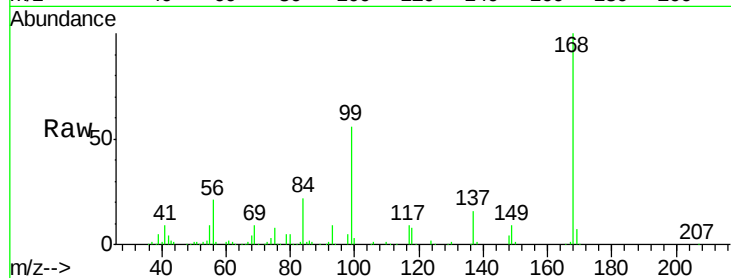
99 55.6 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

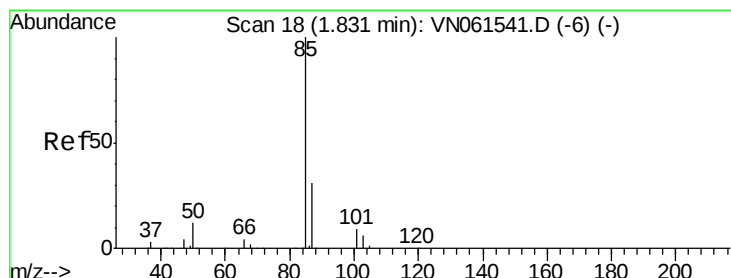
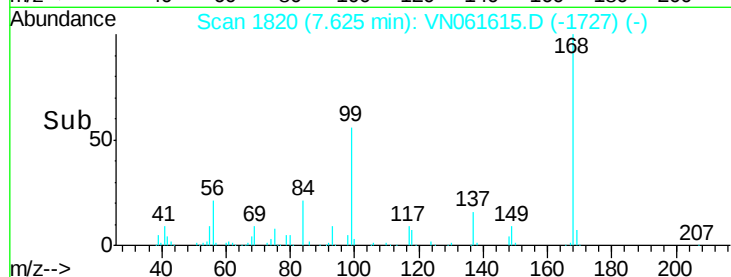
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.933 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061615.D

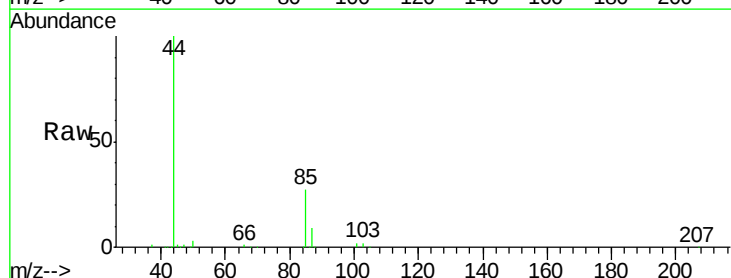
Acq: 2 Jun 2020 13:01

Tgt Ion: 85 Resp: 78887

Ion Ratio Lower Upper

85 100

87 33.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

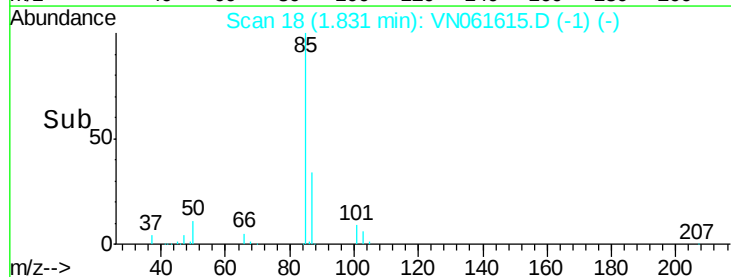
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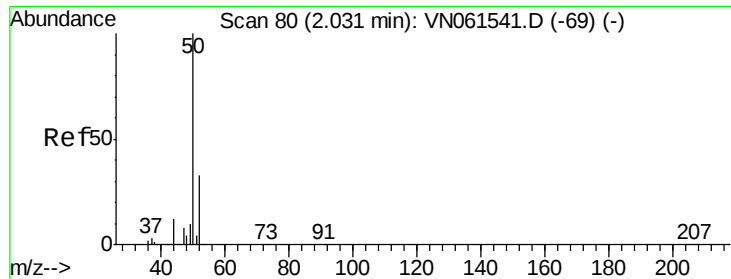
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.182 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion: 50 Resp: 83143

Ion Ratio Lower Upper

50 100

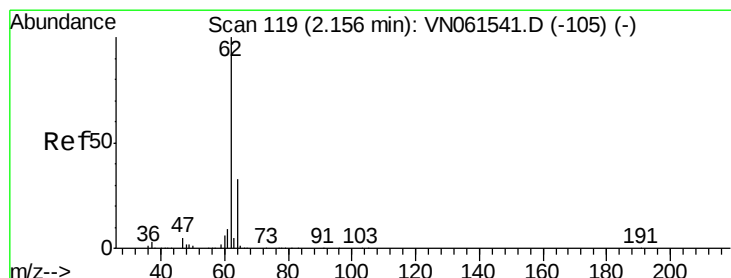
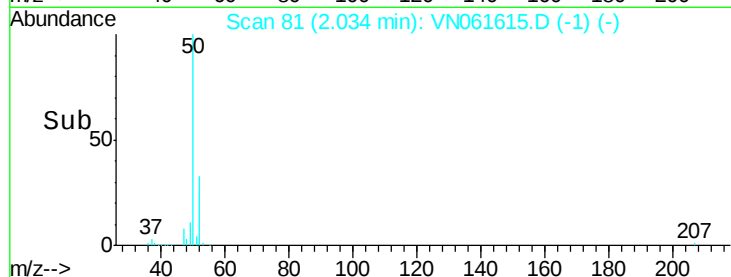
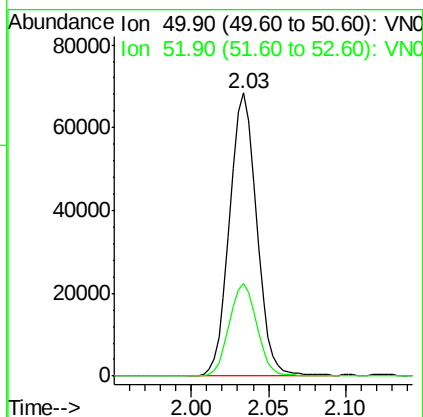
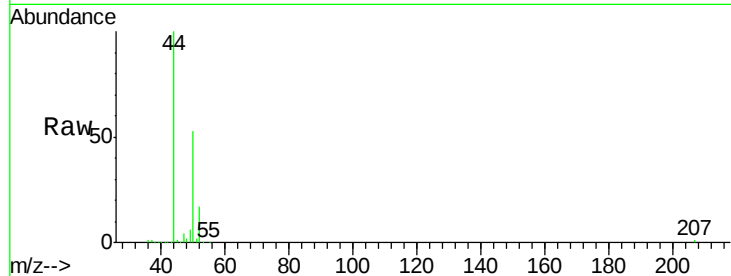
52 32.6 26.7 40.1

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#4

Vinyl Chloride

Concen: 18.969 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061615.D

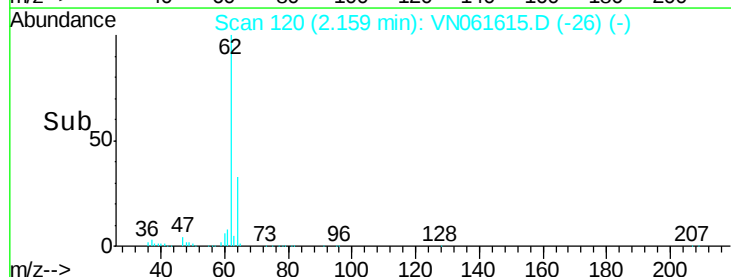
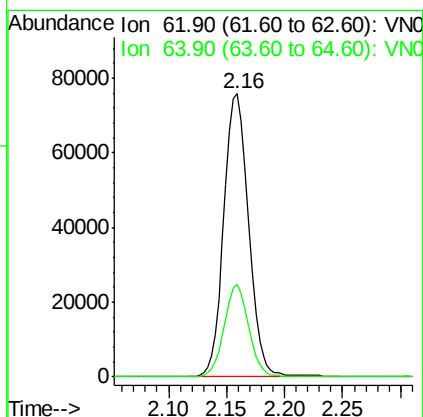
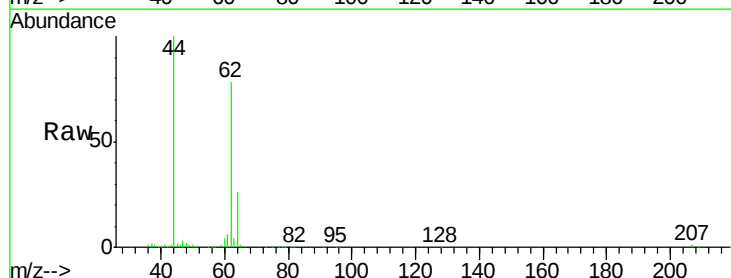
Acq: 2 Jun 2020 13:01

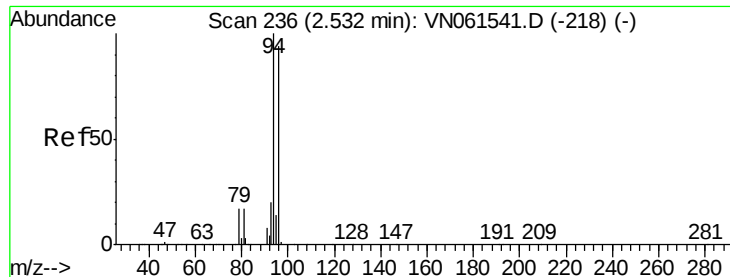
Tgt Ion: 62 Resp: 112672

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 20.559 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion: 94 Resp: 70070

Ion Ratio Lower Upper

94 100

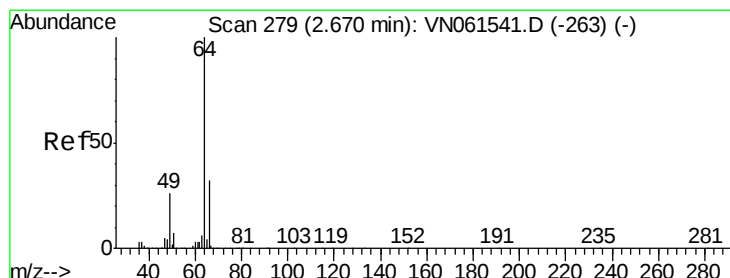
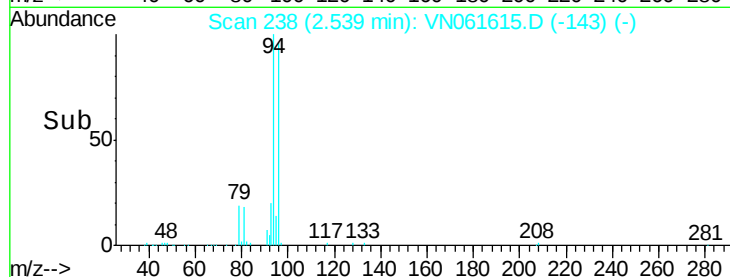
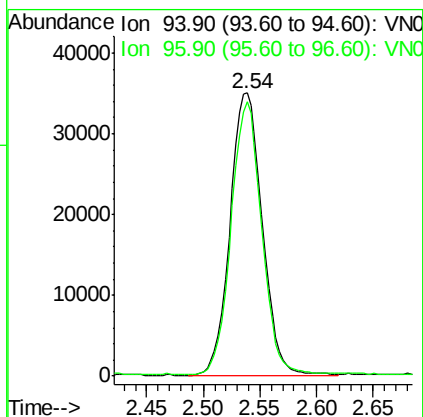
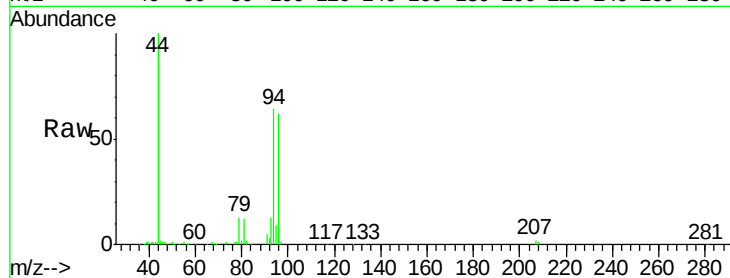
96 96.2 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 18.506 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061615.D

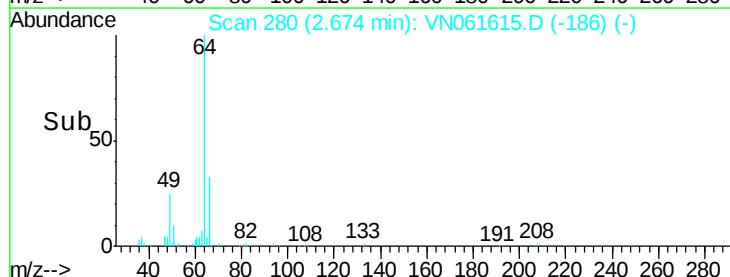
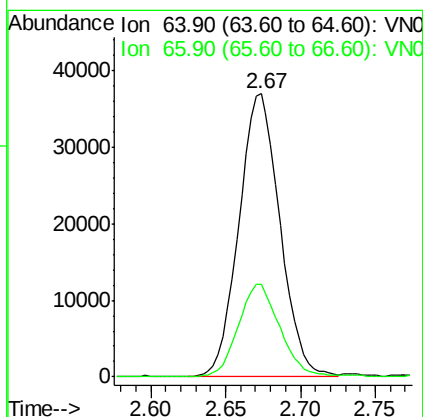
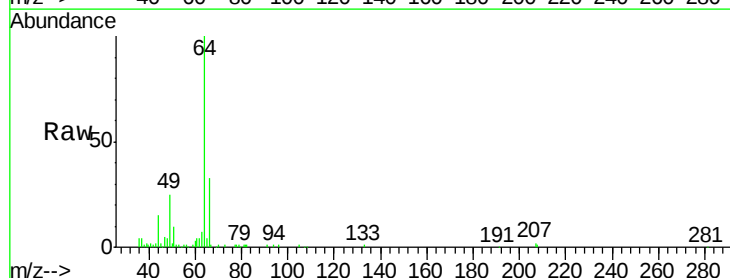
Acq: 2 Jun 2020 13:01

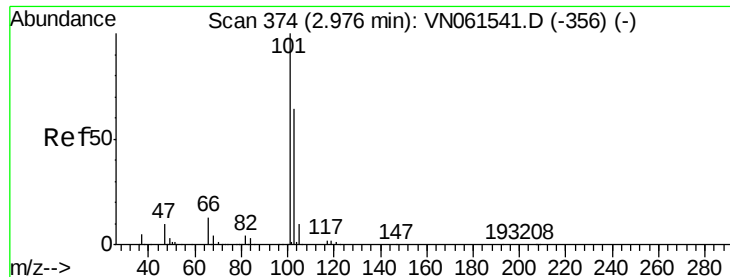
Tgt Ion: 64 Resp: 70752

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4





#7

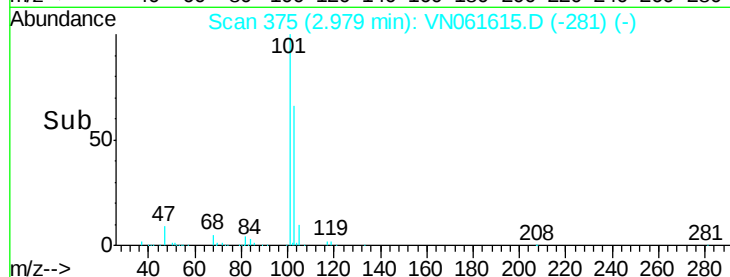
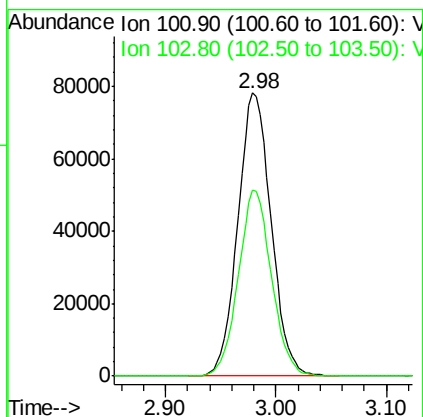
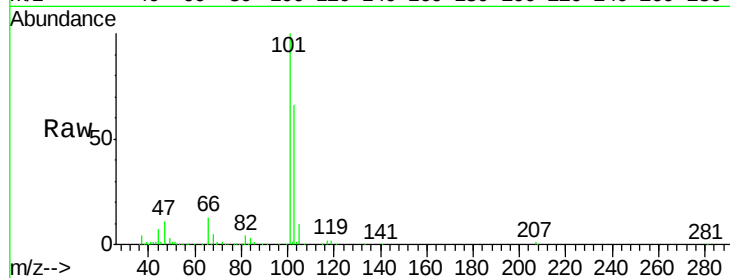
Trichlorofluoromethane
Concen: 21.352 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
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ClientSampleId :
VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

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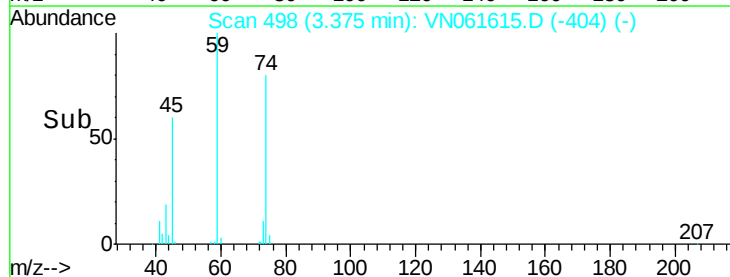
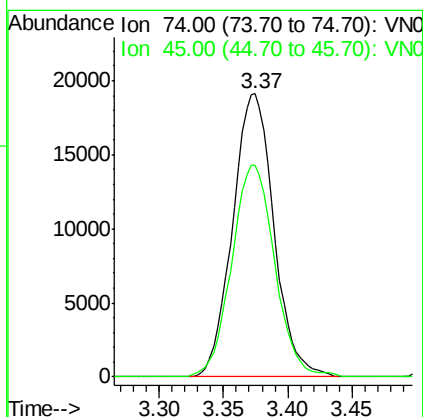
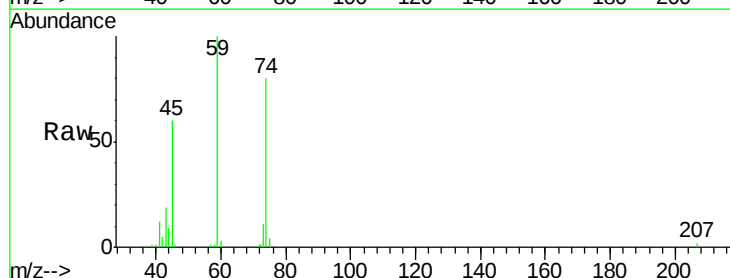
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#8

Diethyl Ether
Concen: 18.167 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.0	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.089 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

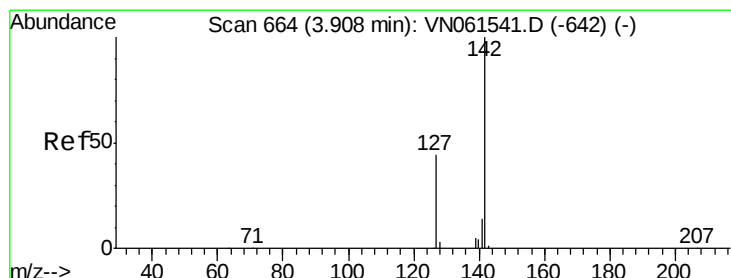
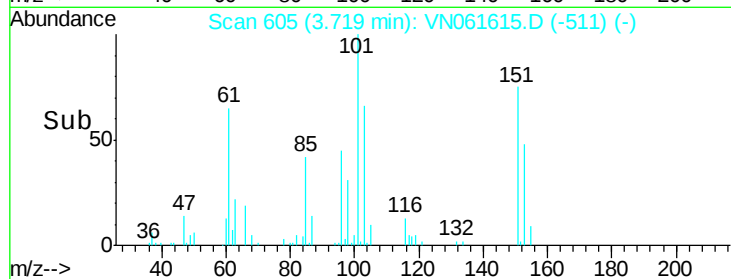
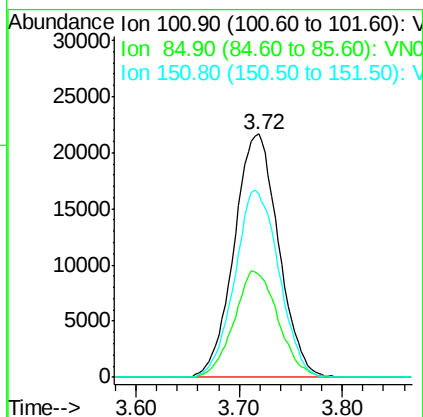
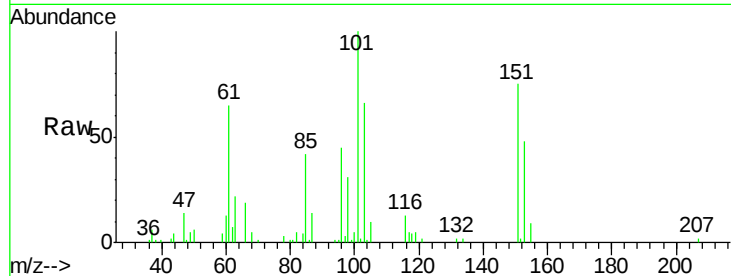
ClientSampleId :

VN0602WBSD01

Tot Ion:	101	Resp:	64881
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.2	52.8
151	76.4	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.161 ug/l

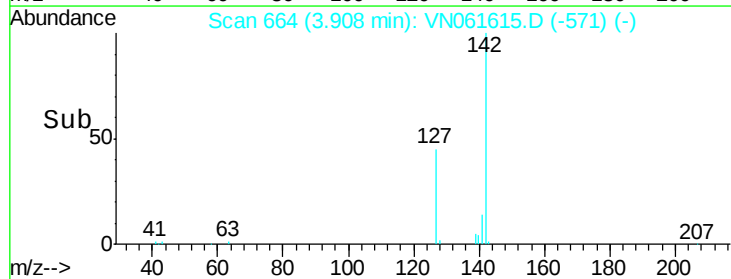
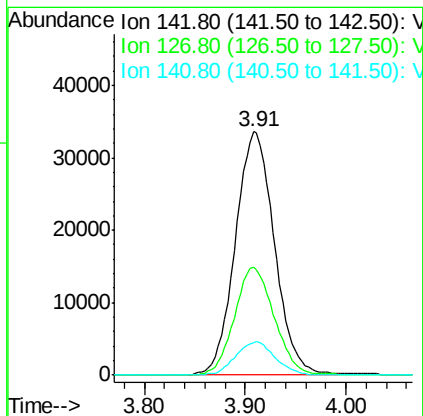
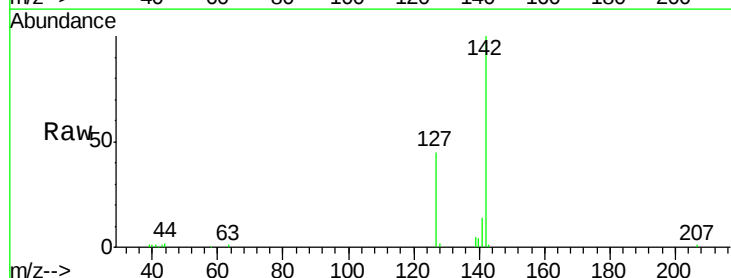
RT: 3.91 min Scan# 664

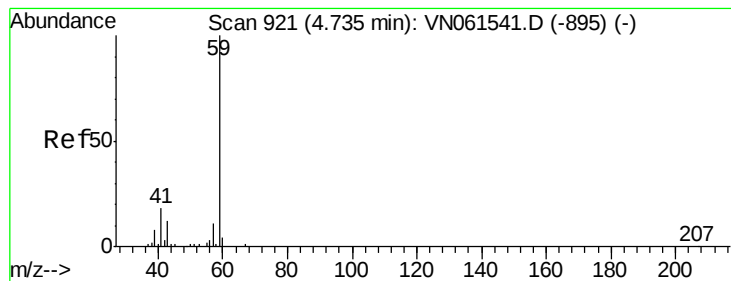
Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	142	Resp:	90409
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.5	53.3
141	13.8	11.5	17.3





#11

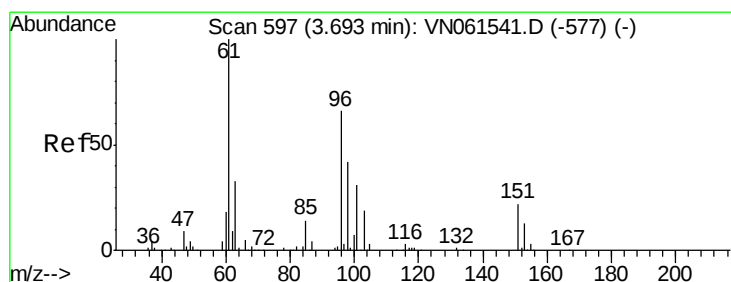
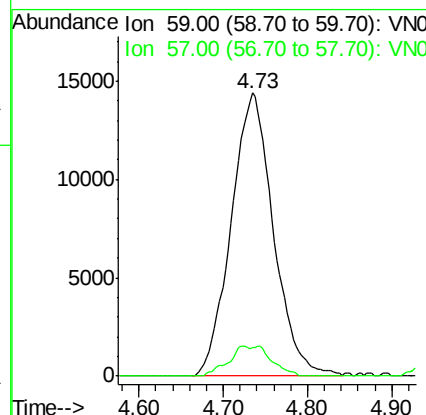
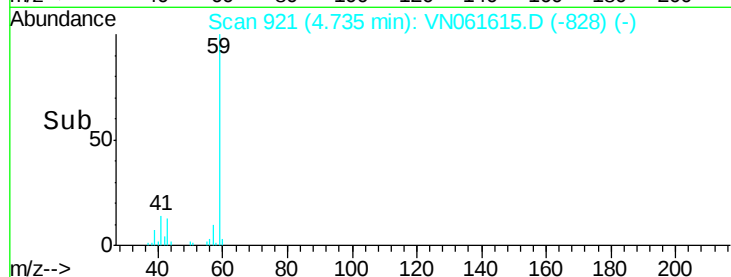
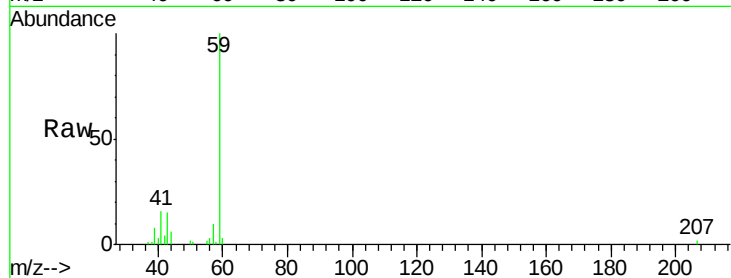
Tert butyl alcohol
Concen: 88.935 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0602WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	50086		
57	5.3		8.4	12.6#

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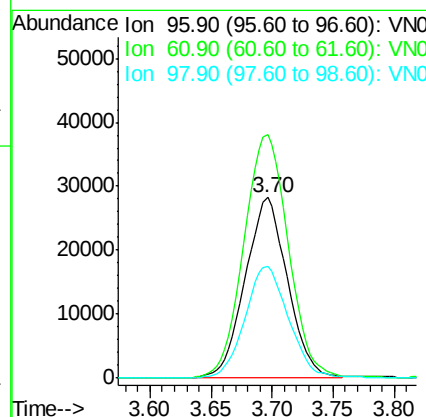
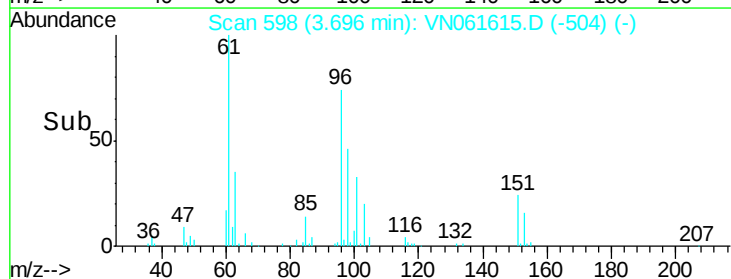
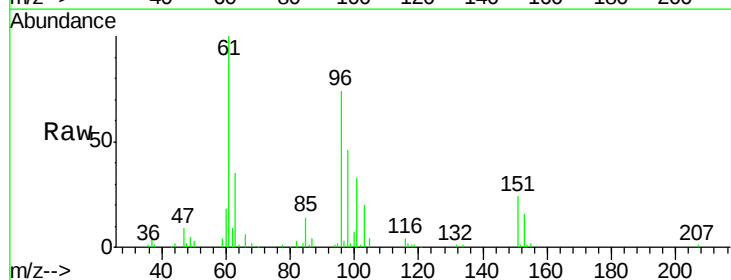
MMDadoda
6/3/2020 11:32:22 AM

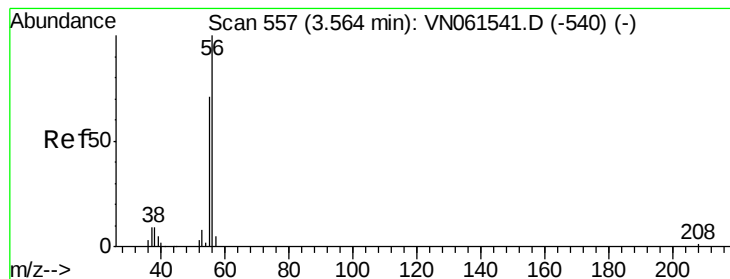


#12

1,1-Dichloroethene
Concen: 18.672 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	67804		
61	134.7		120.5	180.7
98	62.1		50.8	76.2





#13

Acrolein

Concen: 86.691 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion: 56 Resp: 17409

Ion Ratio Lower Upper

56 100

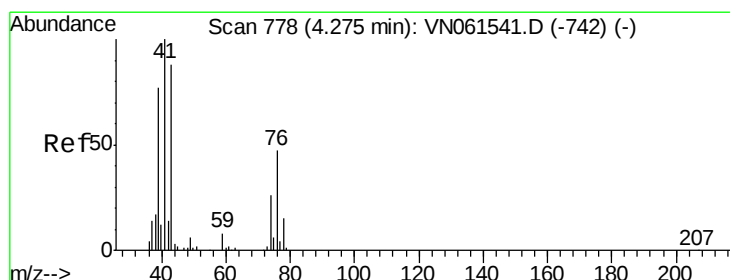
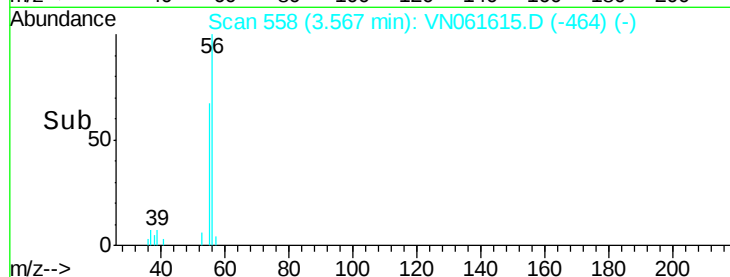
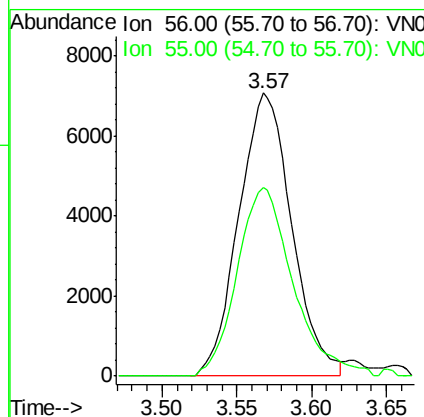
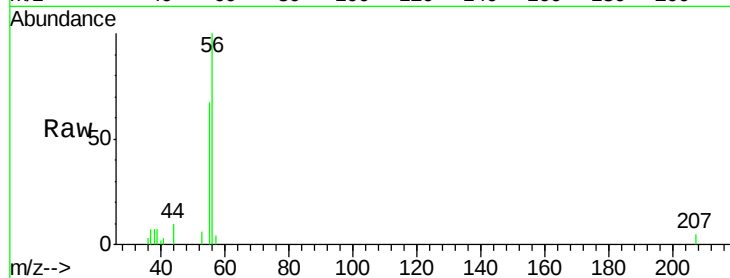
55 70.6 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.334 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

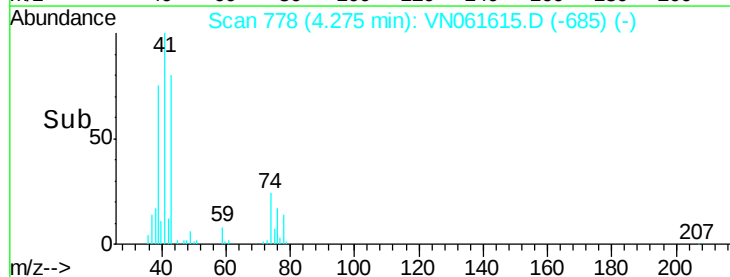
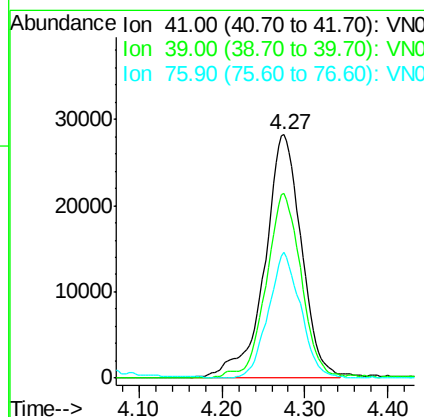
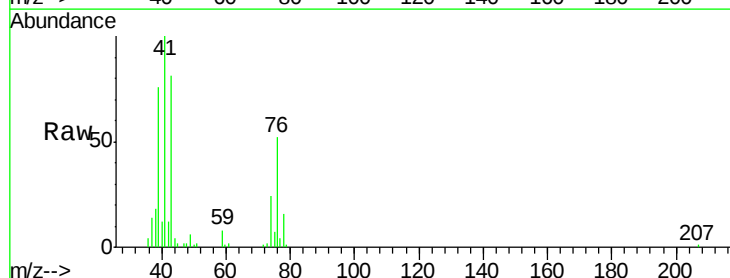
Tgt Ion: 41 Resp: 87038

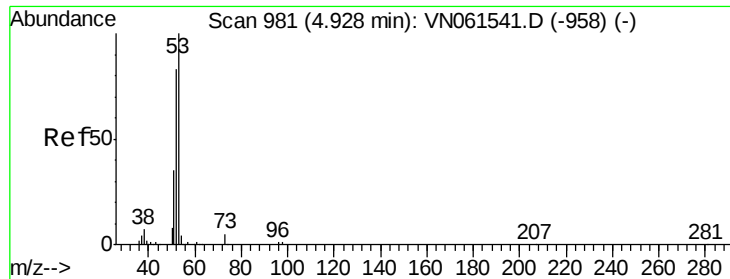
Ion Ratio Lower Upper

41 100

39 72.4 58.6 88.0

76 45.4 34.2 51.4





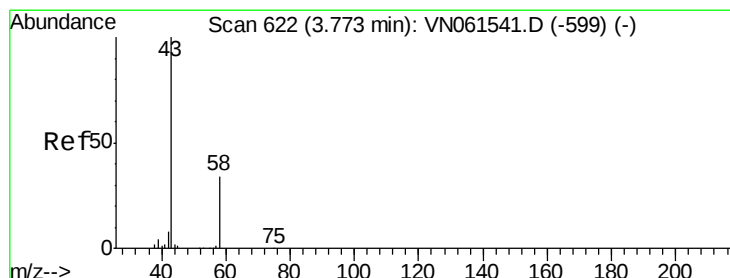
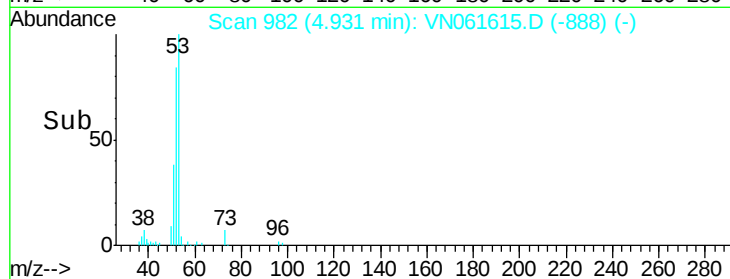
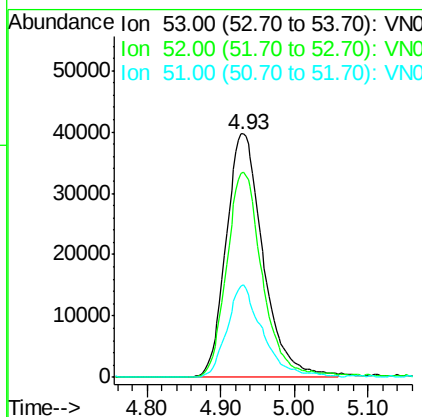
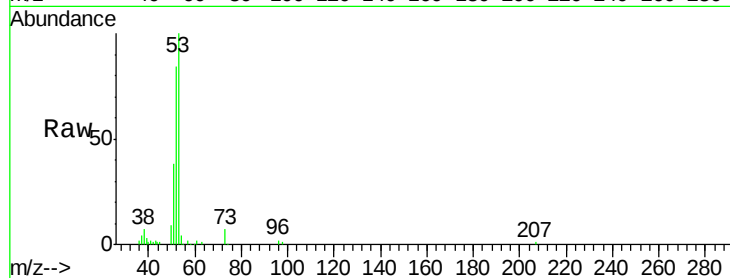
#15
 Acrylonitrile
 Concen: 88.199 ug/l
 RT: 4.93 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.4	98.2
51	35.8	29.0	43.6

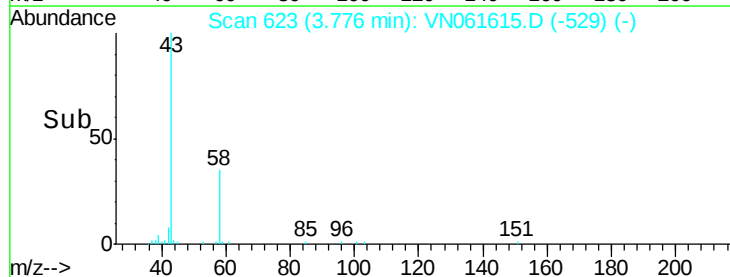
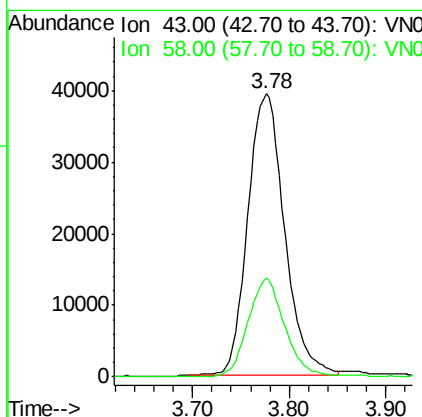
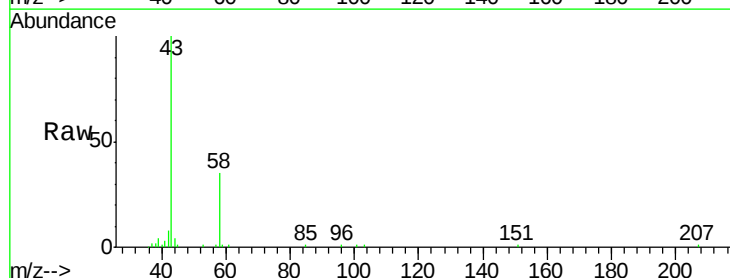
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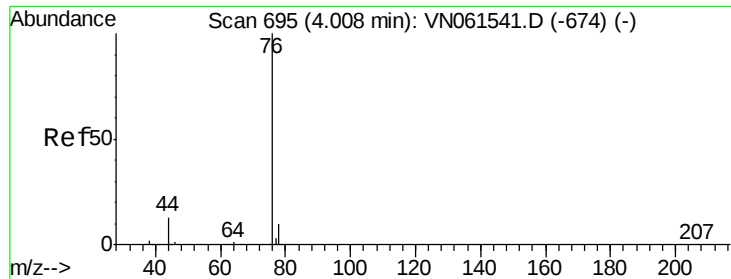
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#16
 Acetone
 Concen: 85.288 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.2	40.8





#17

Carbon Disulfide

Concen: 19.386 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion: 76 Resp: 154875

Ion Ratio Lower Upper

76 100

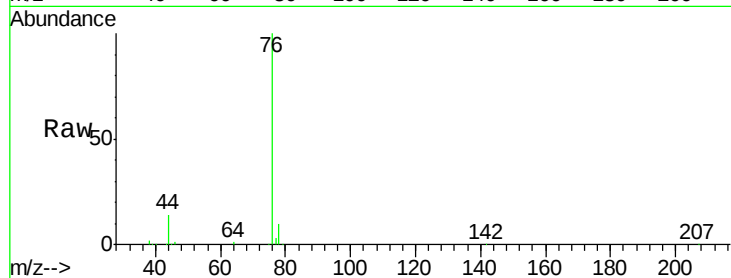
78 9.8 7.8 11.6

Manual Integrations

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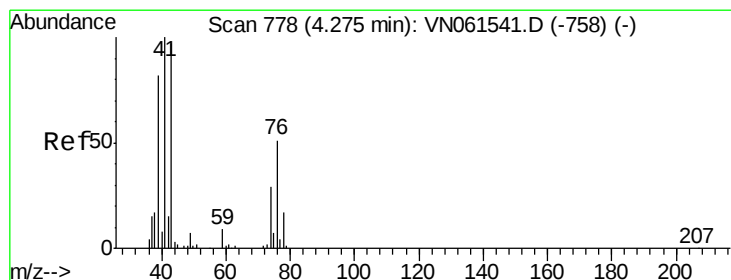
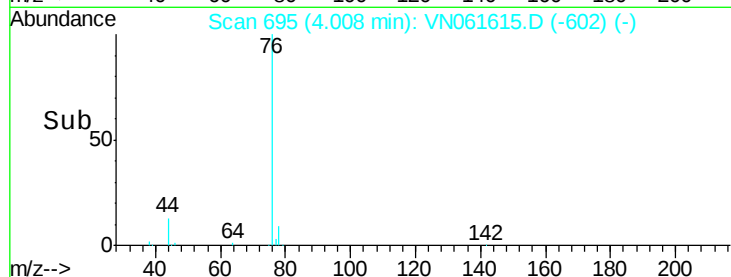
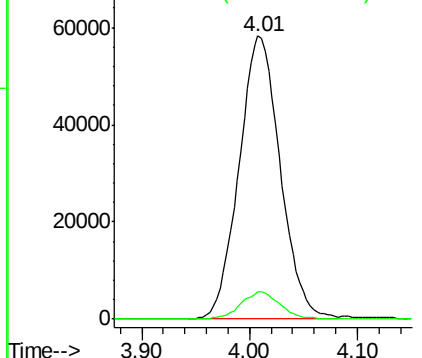
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 17.159 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061615.D

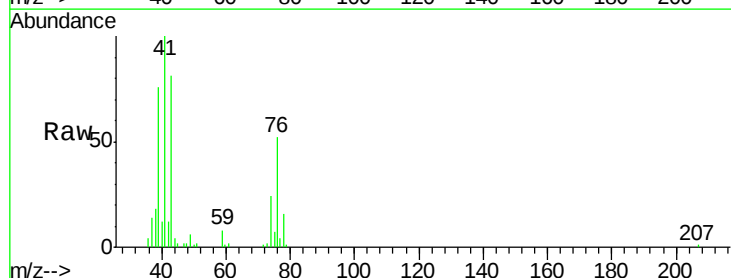
Acq: 2 Jun 2020 13:01

Tgt Ion: 43 Resp: 65768

Ion Ratio Lower Upper

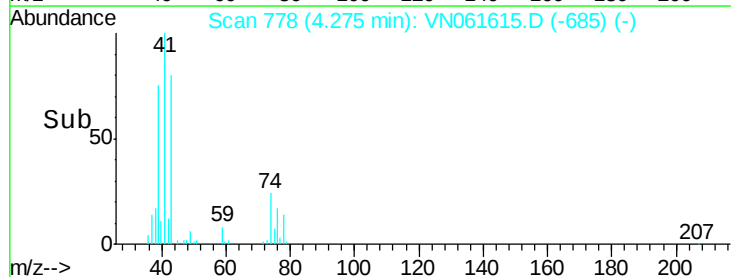
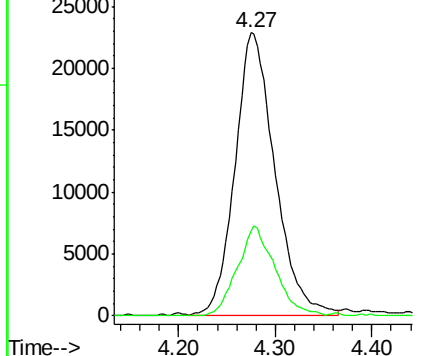
43 100

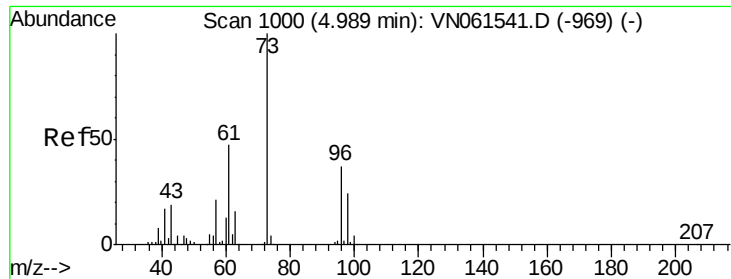
74 29.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





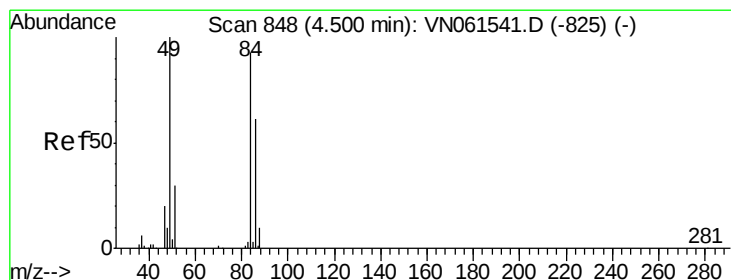
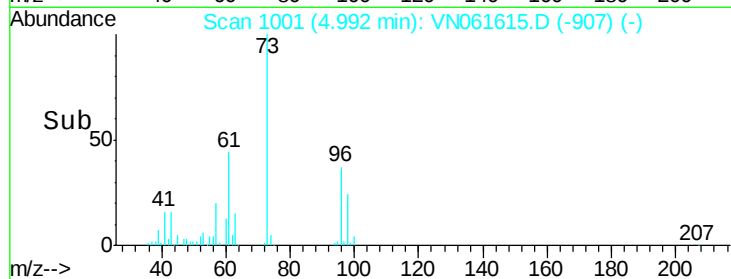
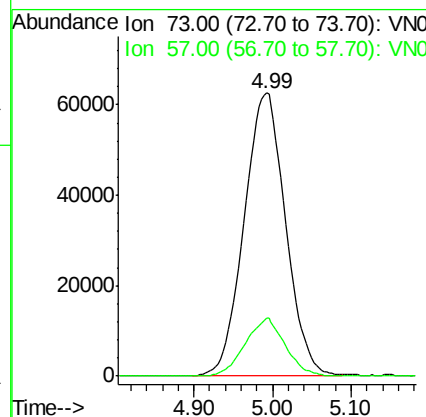
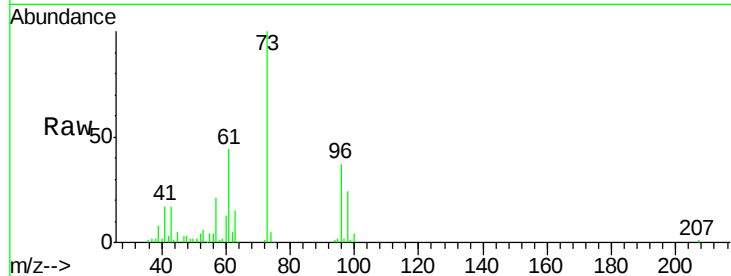
#19
Methyl tert-butyl Ether
Concen: 18.800 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	73	Resp	232669
Ion Ratio	Lower	Upper	
73	100		
57	20.5	16.4	24.6

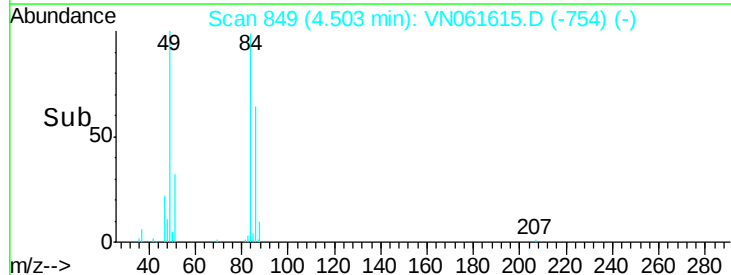
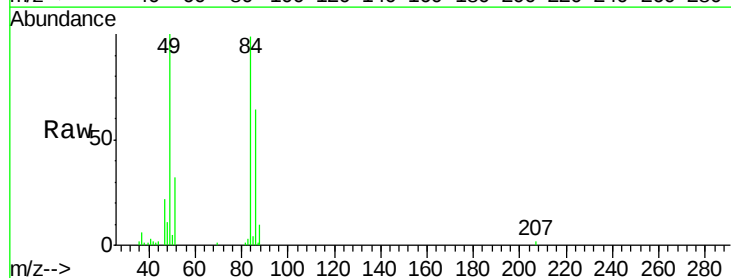
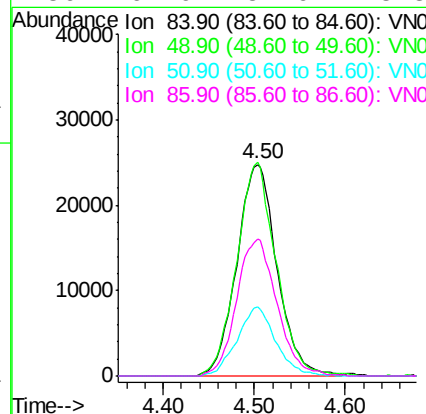
Manual Integrations
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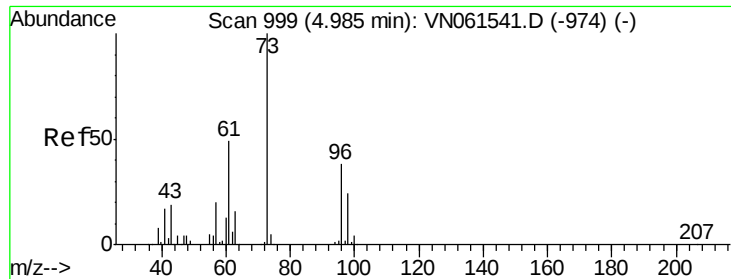
MMDadoda
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#20
Methylene Chloride
Concen: 18.595 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	84	Resp	75767
Ion Ratio	Lower	Upper	
84	100		
49	101.1	85.8	128.8
51	32.5	26.2	39.2
86	64.9	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 18.561 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

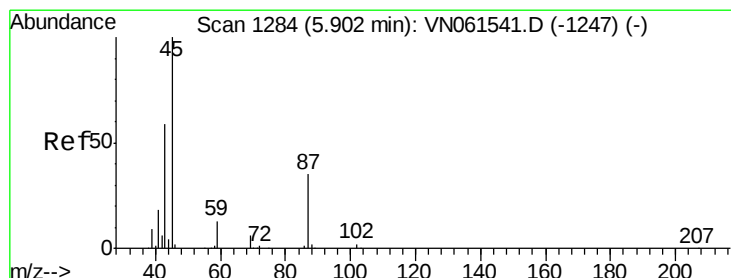
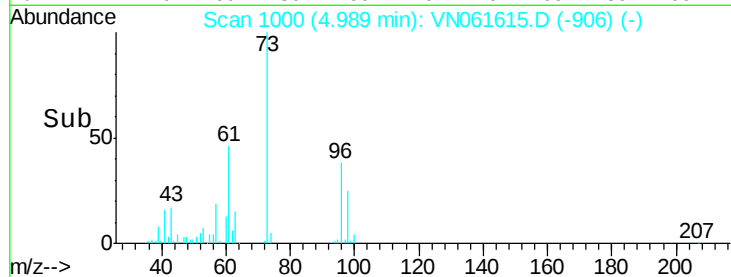
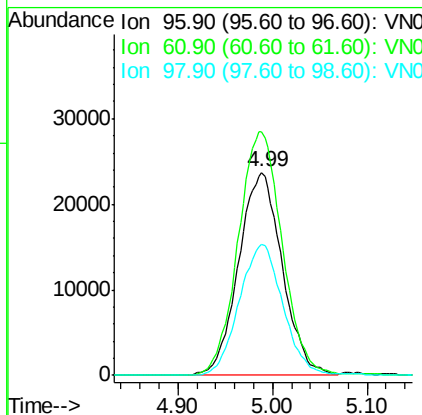
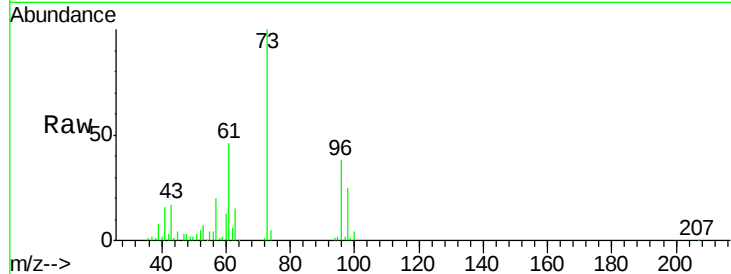
ClientSampleId :

VN0602WBSD01

Tot Ion:	96	Resp:	76010
Ion	Ratio	Lower	Upper
96	100		
61	120.0	101.4	152.0
98	64.3	50.6	76.0

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#22

Diisopropyl ether

Concen: 18.768 ug/l

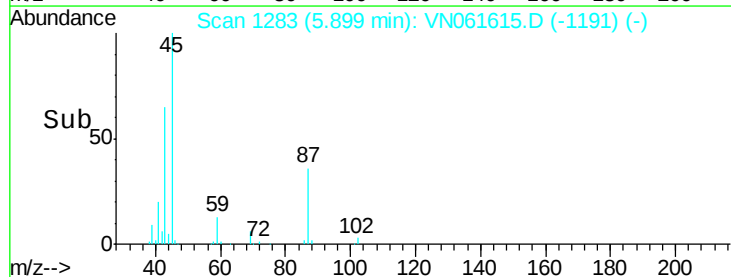
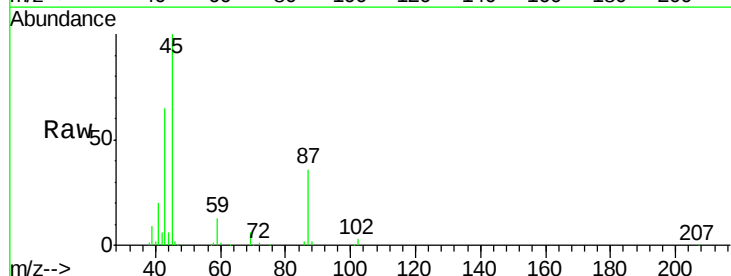
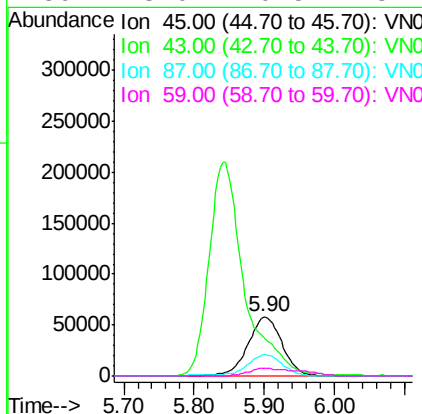
RT: 5.90 min Scan# 1283

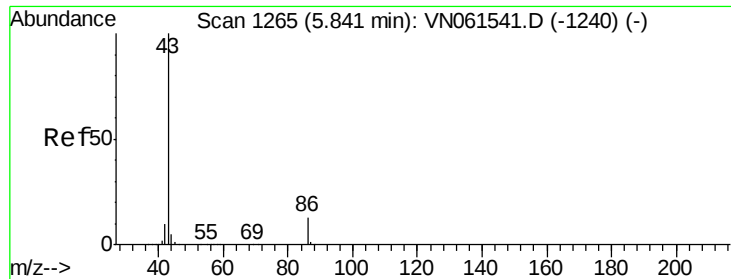
Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	45	Resp:	196375
Ion	Ratio	Lower	Upper
45	100		
43	62.9	47.9	71.9
87	36.2	28.4	42.6
59	13.0	10.5	15.7





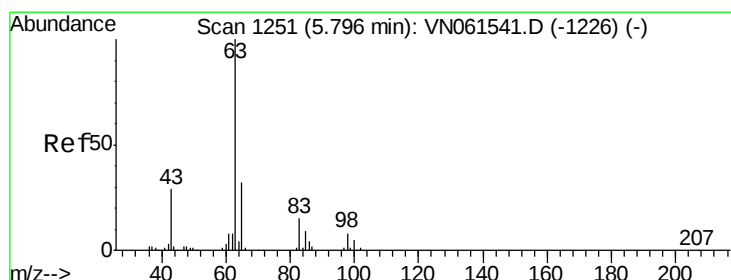
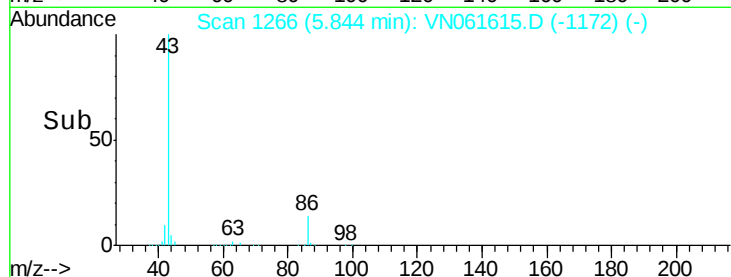
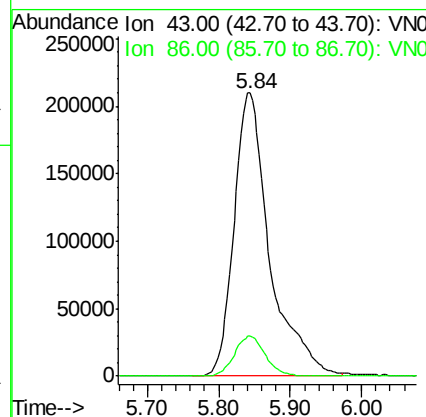
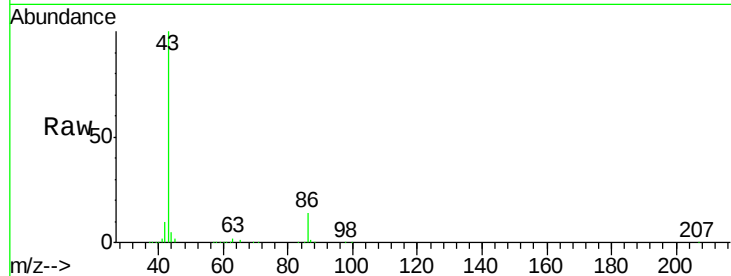
#23
 Vinyl Acetate
 Concen: 87.632 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	14.1	10.6	16.0

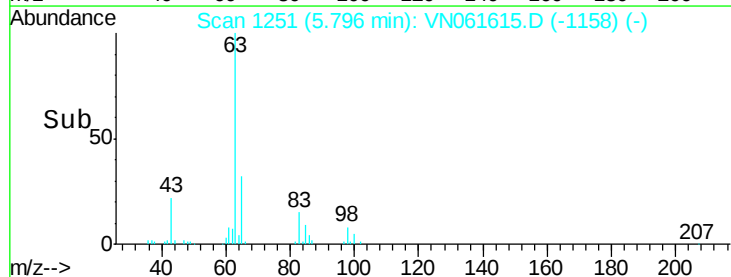
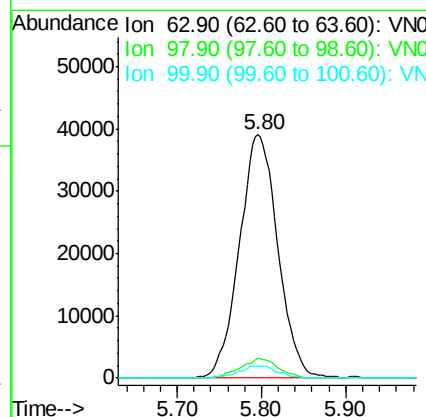
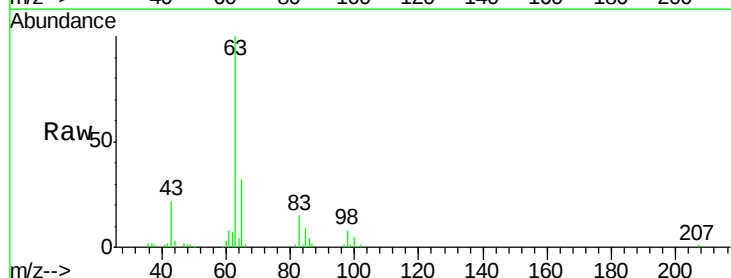
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 18.658 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.8	11.4
100	5.0	2.5	7.6





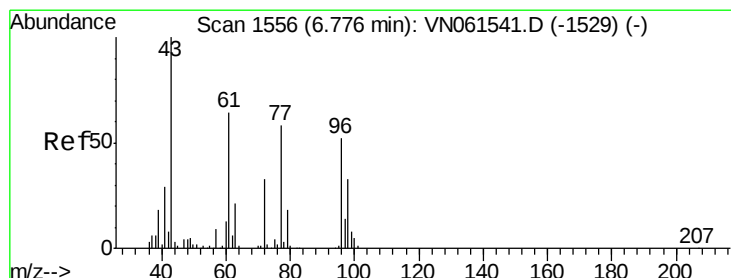
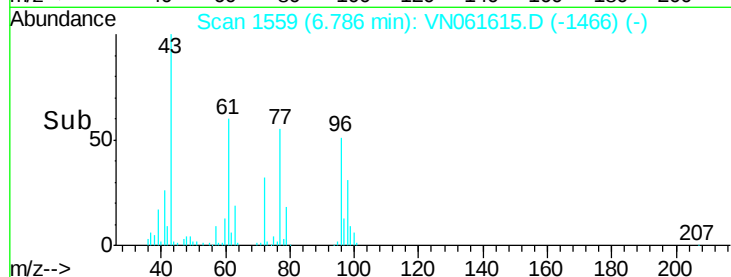
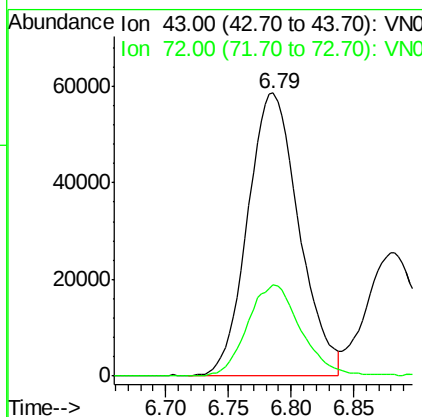
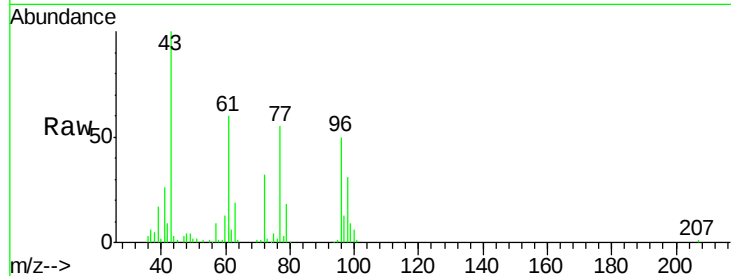
#25
2-Butanone
Concen: 83.207 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0602WBSD01

Tot Ion: 43 Resp: 166964
Ion Ratio Lower Upper
43 100
72 32.1 26.0 39.0

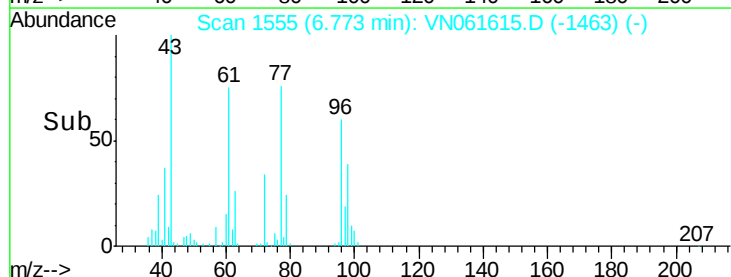
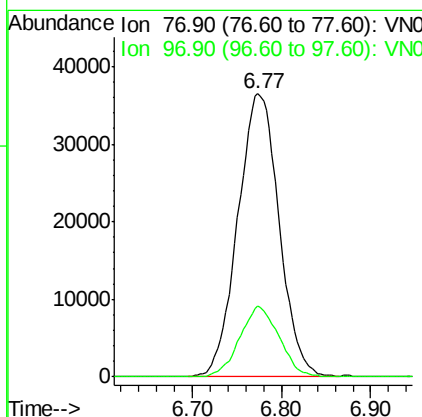
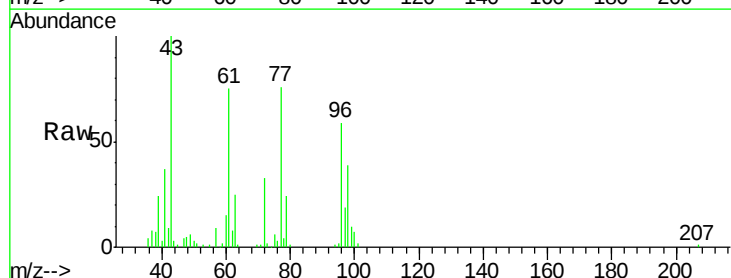
Manual Integrations
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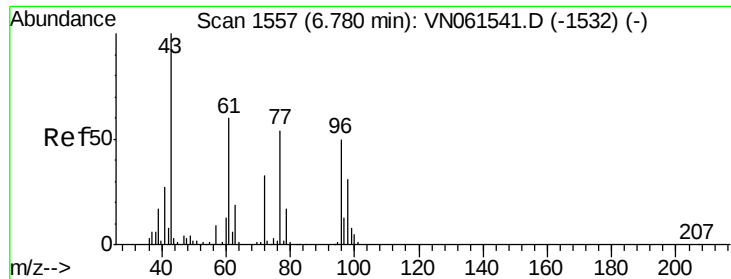
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.297 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion: 77 Resp: 117188
Ion Ratio Lower Upper
77 100
97 23.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.247 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

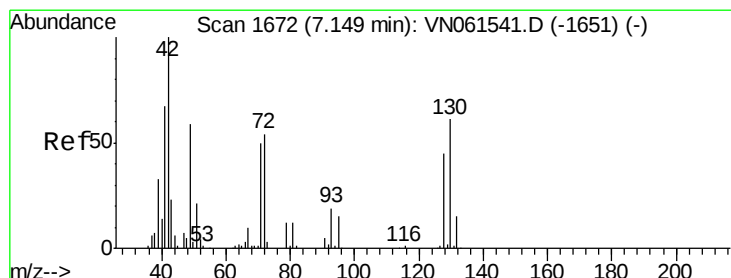
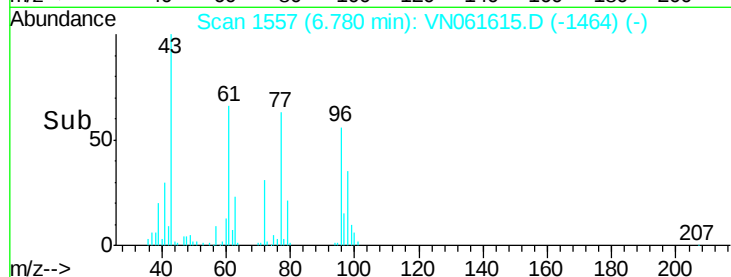
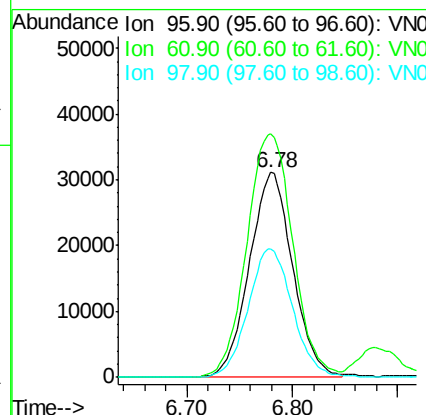
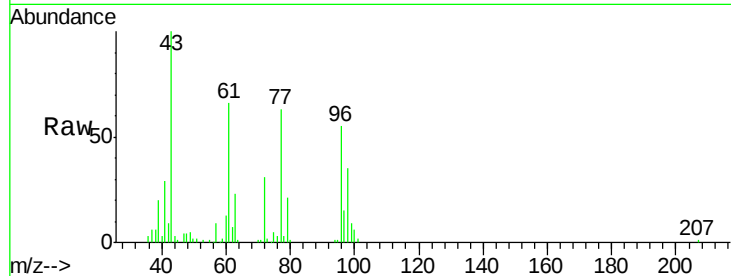
ClientSampled :

VN0602WBSD01

Tot Ion:	96	Resp:	89250
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	252.2
98	64.2	0.0	129.2

Manual Integrations
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MMDadoda
6/3/2020 11:32:22 AM



#28

Bromochloromethane

Concen: 19.922 ug/l

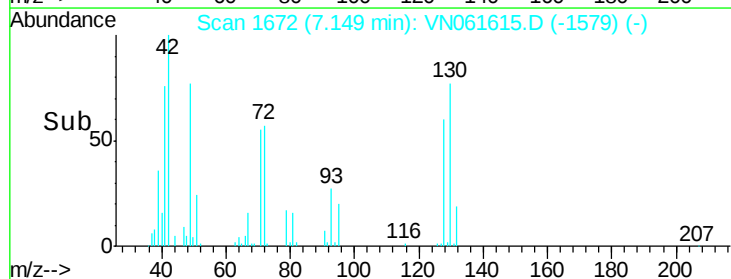
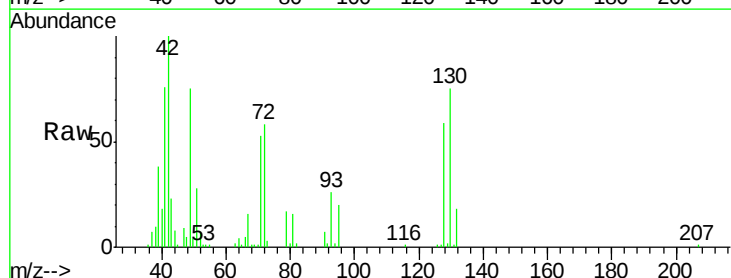
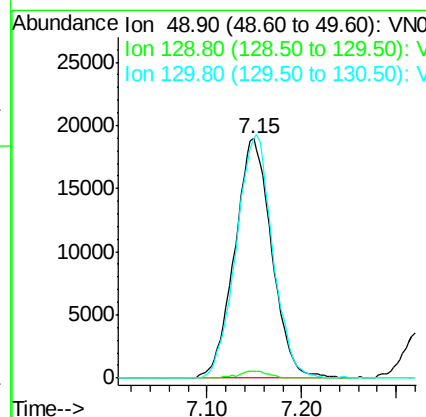
RT: 7.15 min Scan# 1672

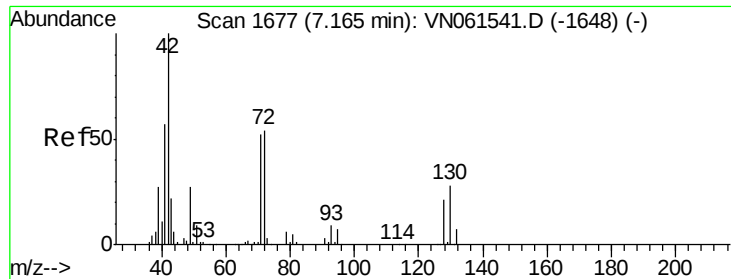
Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	49	Resp:	51712
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	99.7	78.8	118.2





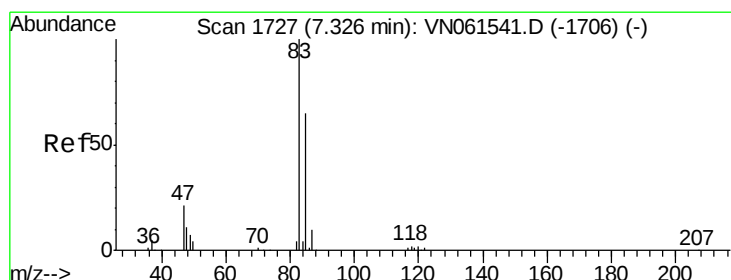
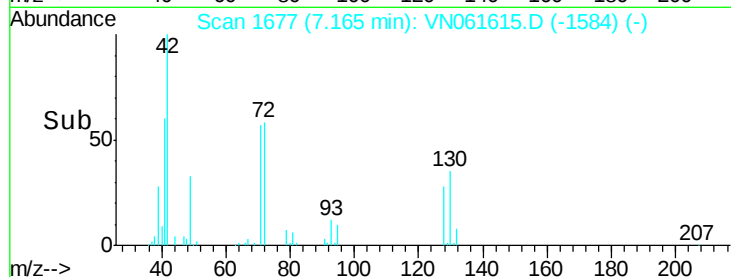
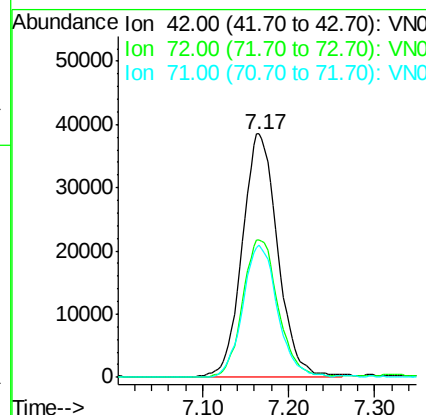
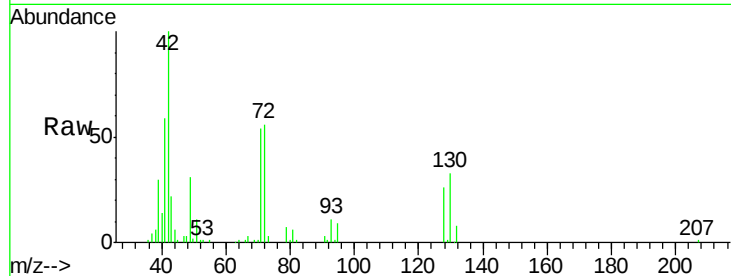
#29
Tetrahydrofuran
Concen: 83.689 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.4	43.6	65.4
71	52.8	41.2	61.8

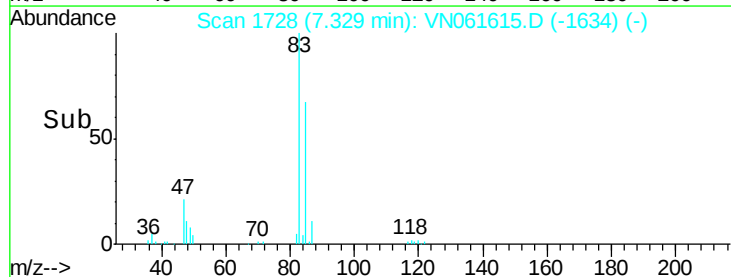
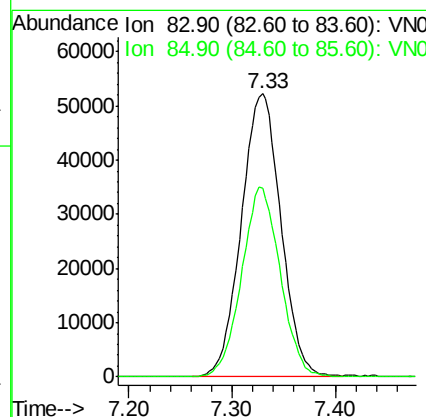
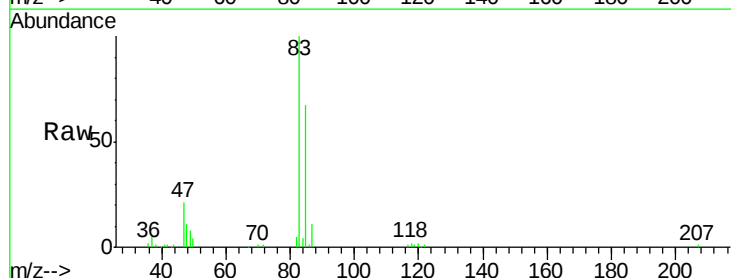
Manual Integrations
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6/3/2020 11:32:22 AM



#30
Chloroform
Concen: 18.984 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.7	77.5





#31

Cyclohexane

Concen: 18.181 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

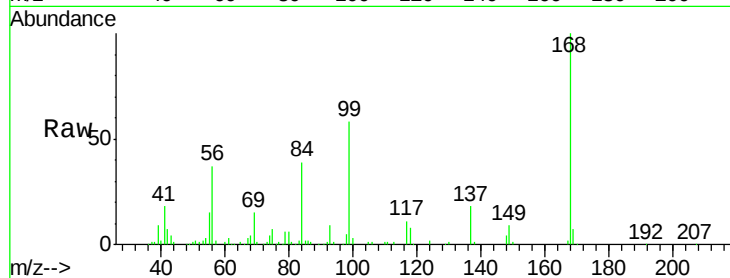
ClientSampled :

VN0602WBSD01

Tot Ion:	56	Resp:	108491
Ion Ratio	Lower	Upper	
56	100		
69	40.4	27.8	41.8
84	105.6	79.9	119.9

Manual Integrations
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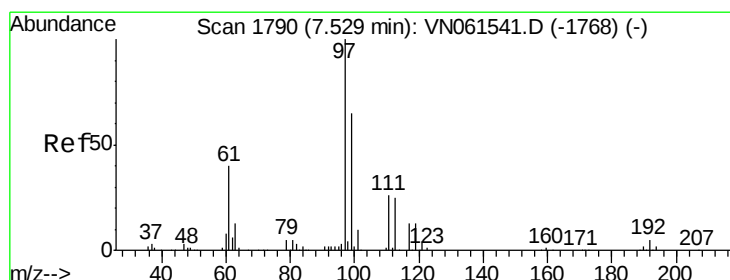
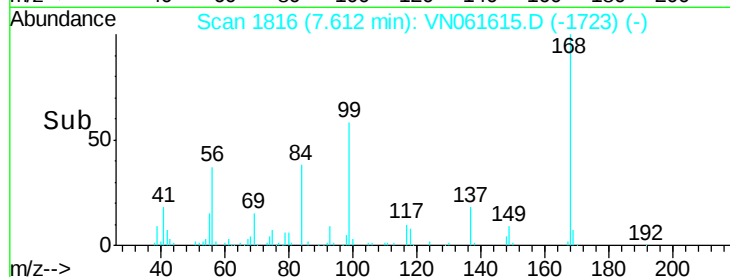


Abundance Ion 56.00 (55.70 to 56.70): VN061615.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061615.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061615.D (-1794) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 19.099 ug/l

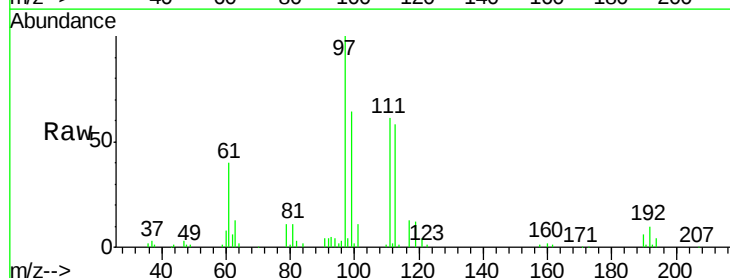
RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	97	Resp:	127743
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.4	77.0
61	38.9	31.4	47.0

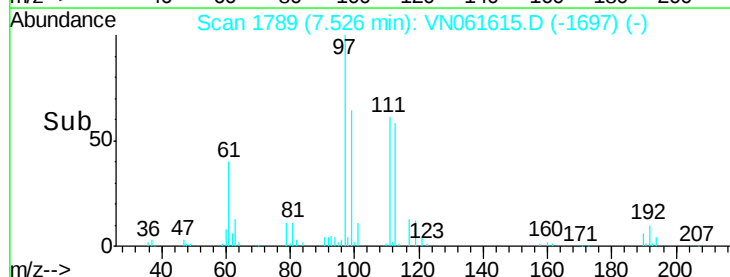


Abundance Ion 96.90 (96.60 to 97.60): VN061615.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061615.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061615.D (-1697) (-)

Time-->





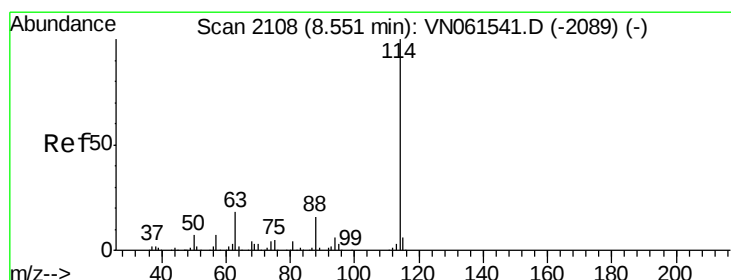
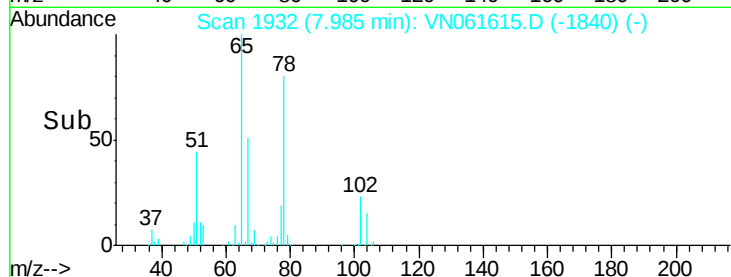
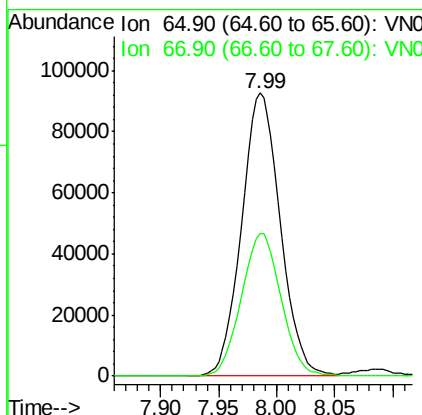
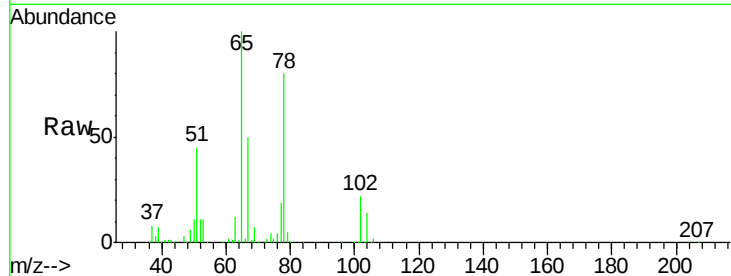
#33
 1,2-Dichloroethane-d4
 Concen: 50.925 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215617		
67	51.6	0.0	104.8	

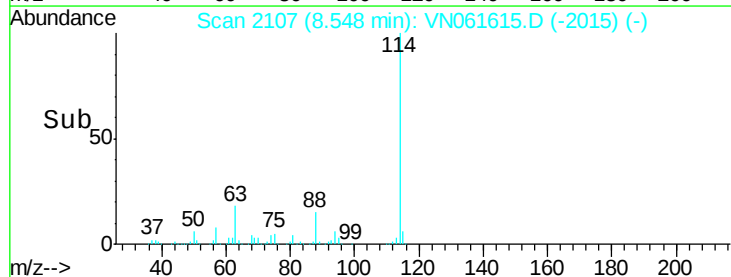
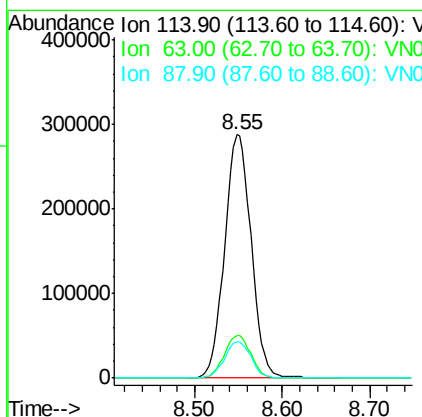
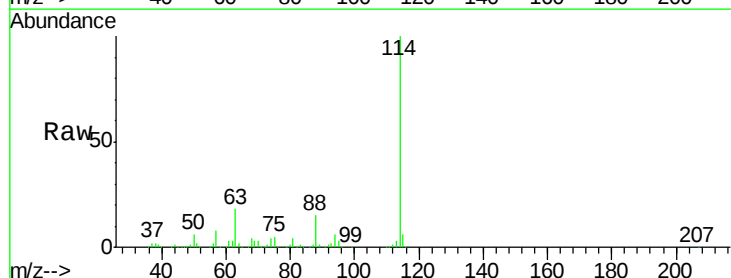
Manual Integrations
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 6/3/2020 11:32:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	605839		
63	17.7	0.0	35.8	
88	15.1	0.0	31.0	





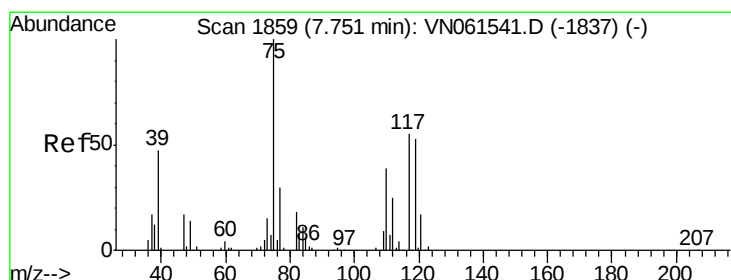
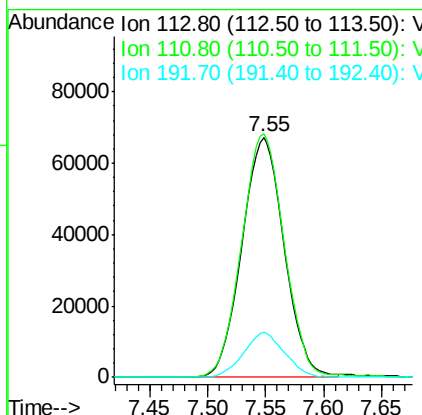
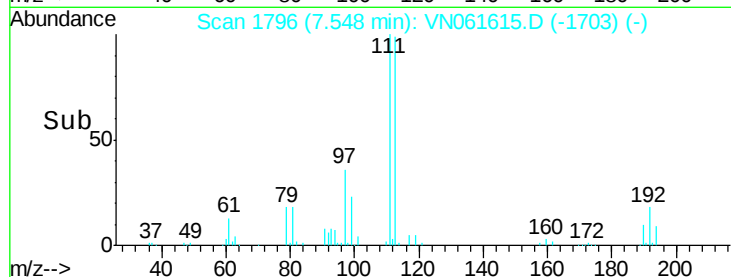
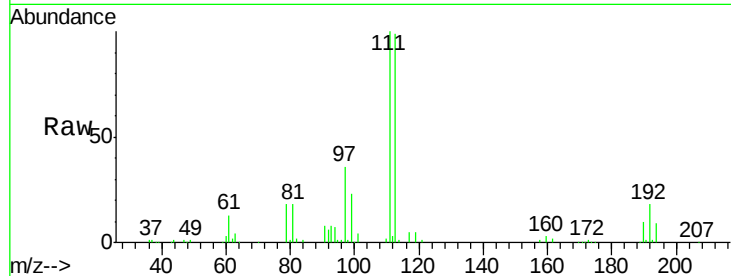
#35
 Dibromofluoromethane
 Concen: 55.387 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170221		
111	102.5	83.4	125.0	
192	18.3	15.4	23.2	

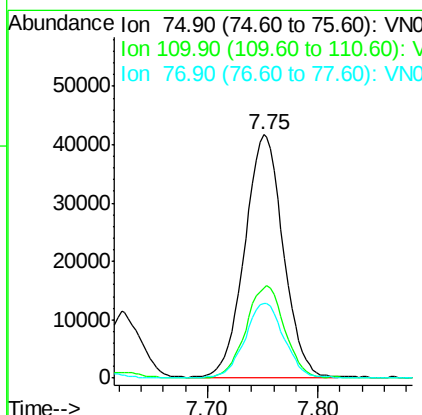
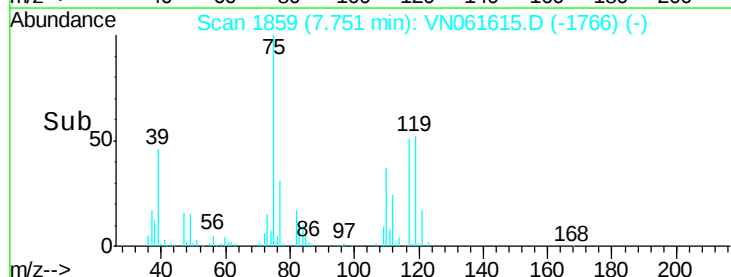
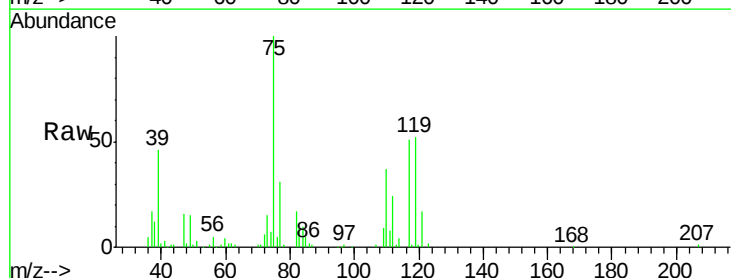
Manual Integrations
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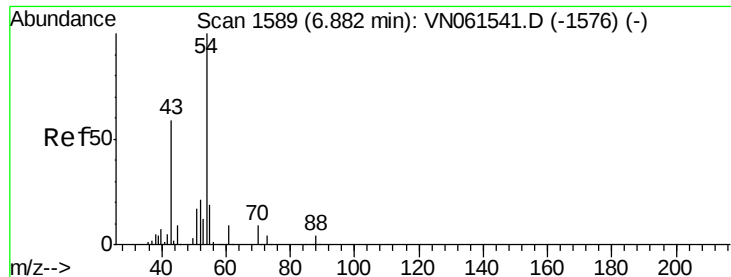
MMDadoda
 6/3/2020 11:32:22 AM



#36
 1,1-Dichloropropene
 Concen: 18.906 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101399		
110	37.7	19.5	58.5	
77	31.0	24.7	37.1	





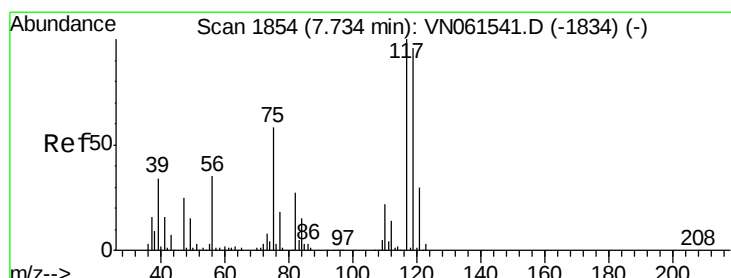
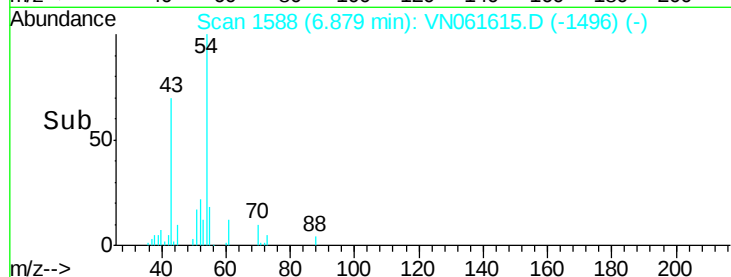
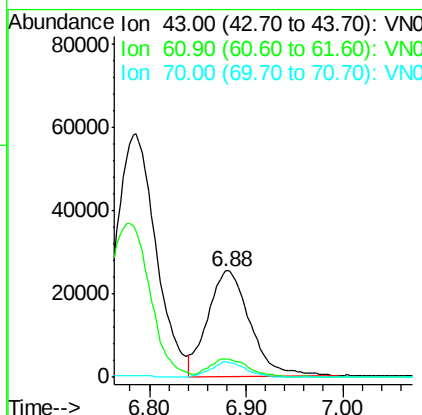
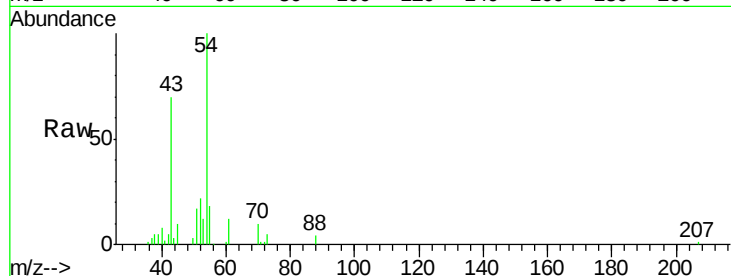
#37
Ethyl Acetate
Concen: 17.878 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0602WBSD01

Tot Ion	43	Resp	77227
Ion Ratio	100	Lower	Upper
43	100		
61	15.8	12.2	18.4
70	12.4	9.4	14.2

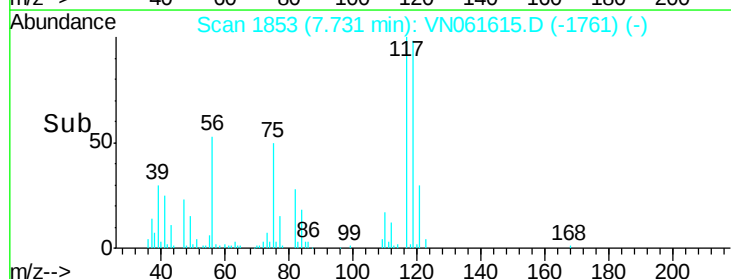
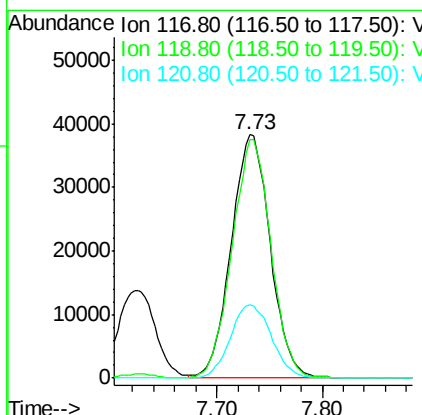
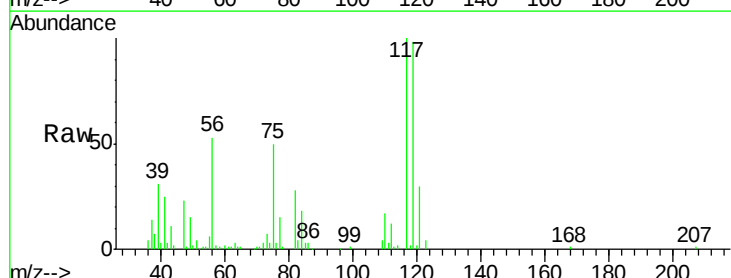
Manual Integrations
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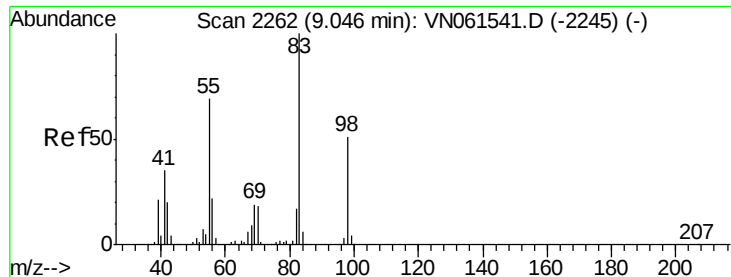
MMDadoda
6/3/2020 11:32:22 AM



#38
Carbon Tetrachloride
Concen: 19.046 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	117	Resp	98532
Ion Ratio	100	Lower	Upper
117	100		
119	97.8	76.5	114.7
121	30.0	24.1	36.1





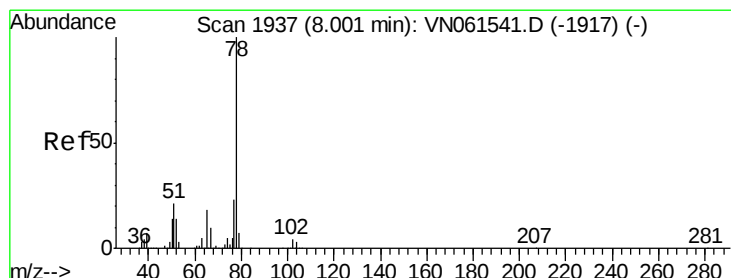
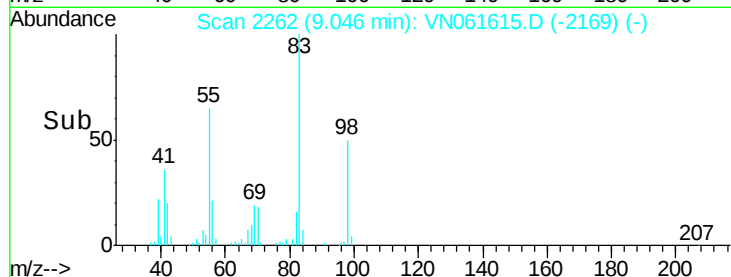
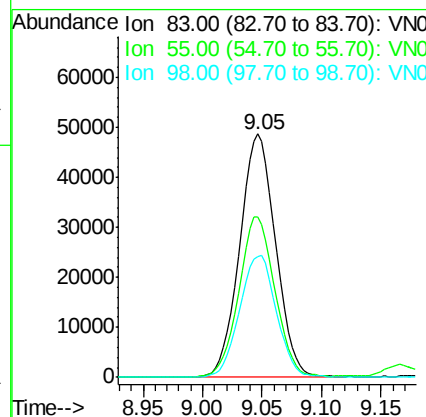
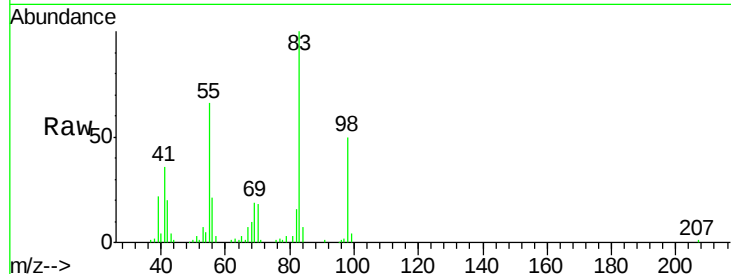
#39
Methvlcvclohexane
Concen: 15.390 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.8	54.9	82.3
98	49.8	41.0	61.4

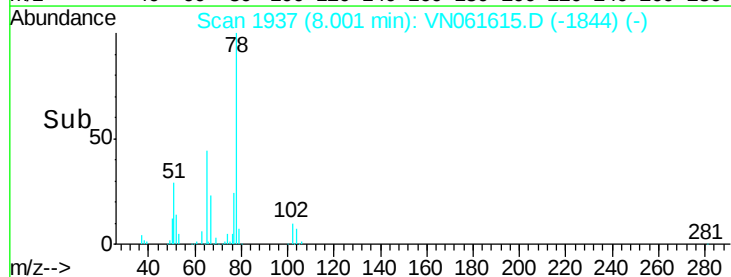
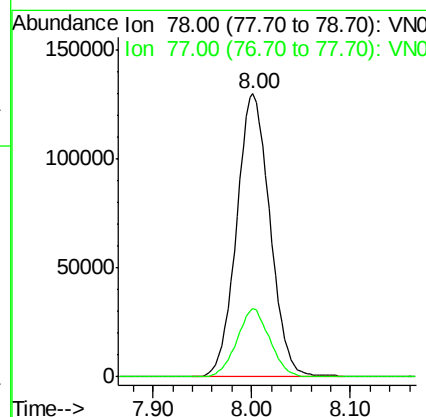
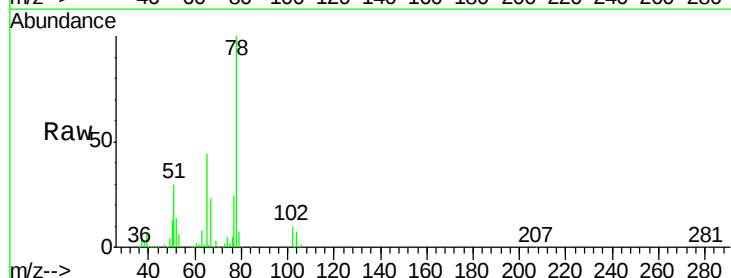
Manual Integrations
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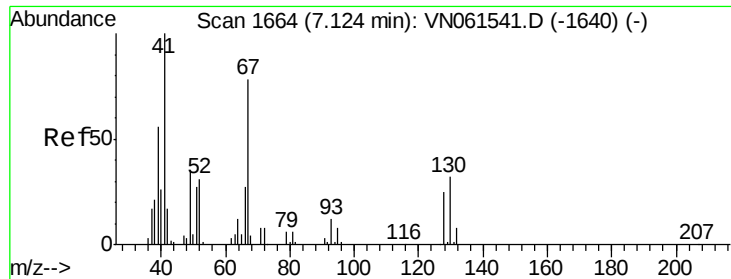
MMDadoda
6/3/2020 11:32:22 AM



#40
Benzene
Concen: 18.461 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	28.0





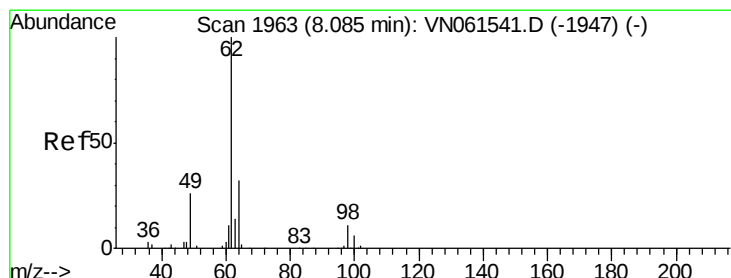
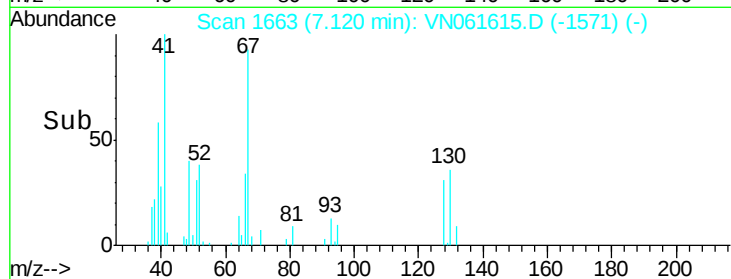
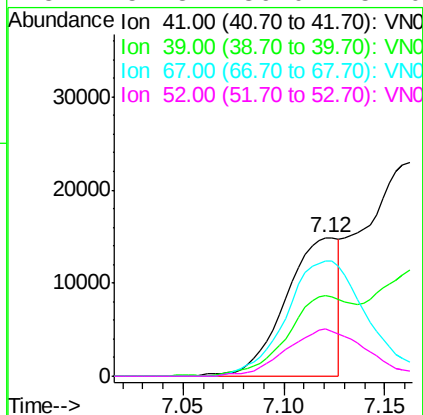
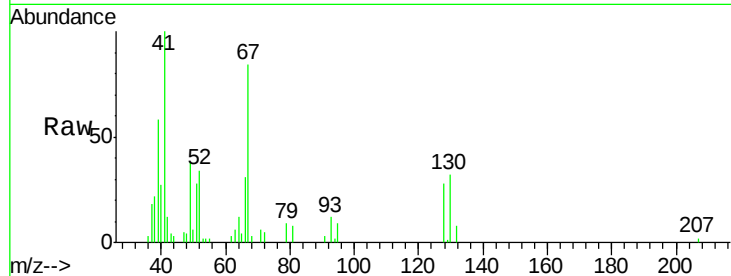
#41
Methacrylonitrile
Concen: 13.658 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	72.6	53.8	80.6	
67	127.5	91.1	136.7	
52	52.8	36.0	54.0	

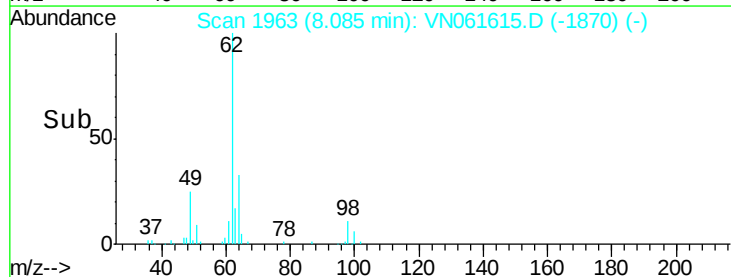
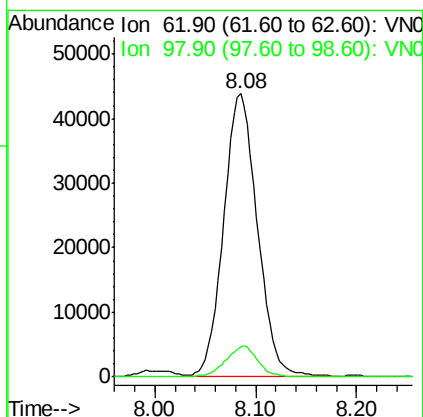
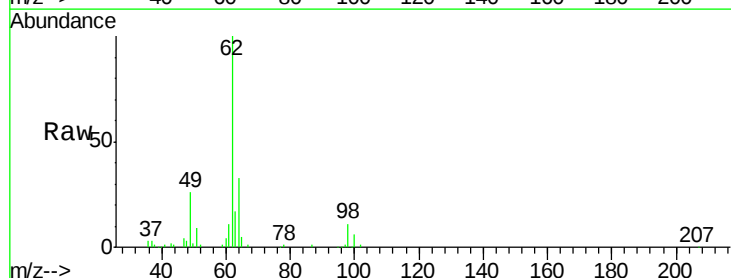
Manual Integrations
APPROVED

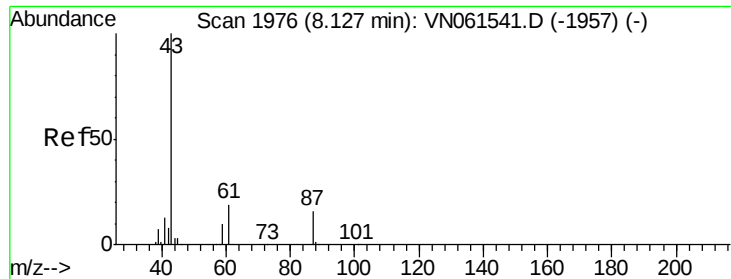
MMDadoda
6/3/2020 11:32:22 AM



#42
1,2-Dichloroethane
Concen: 18.483 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	21.4	





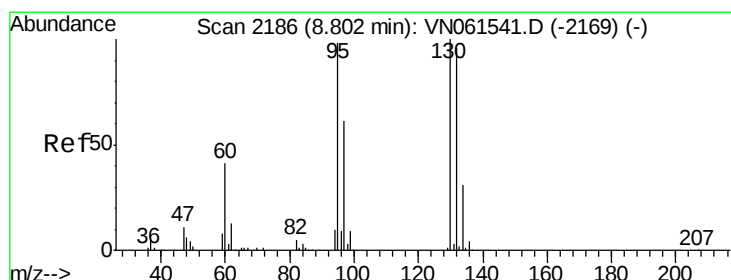
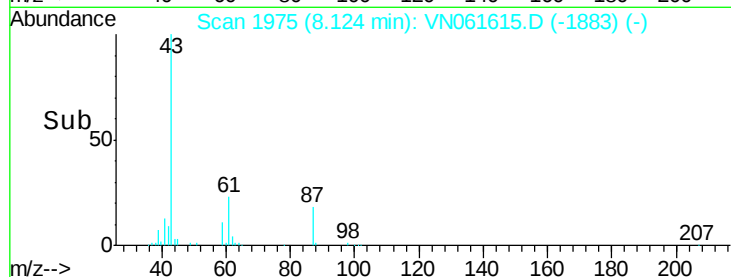
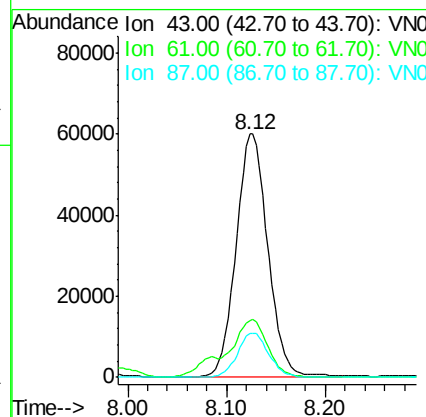
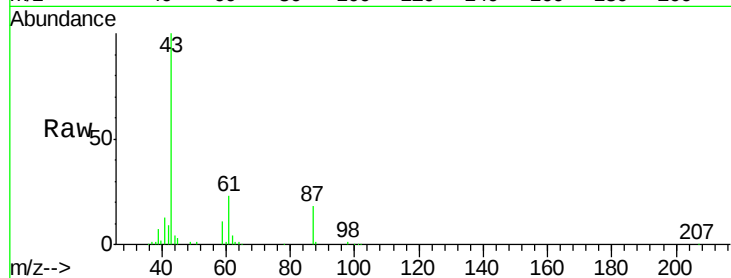
#43
Isopropyl Acetate
Concen: 17.337 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.4	23.6	35.4
87	17.9	13.0	19.6

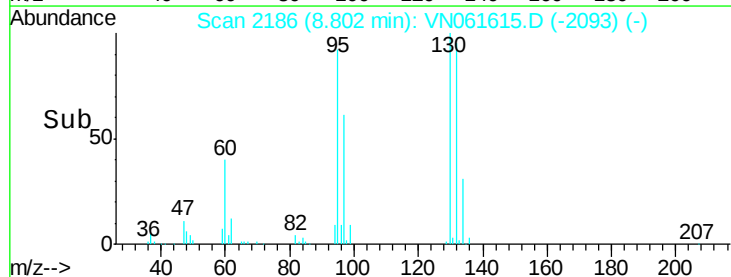
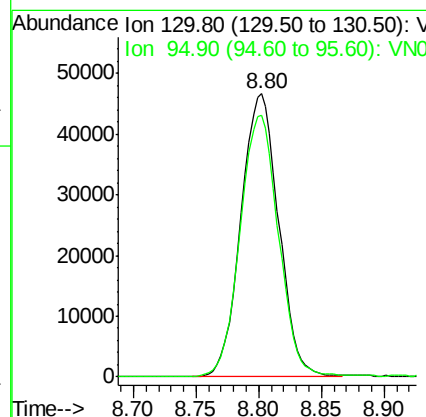
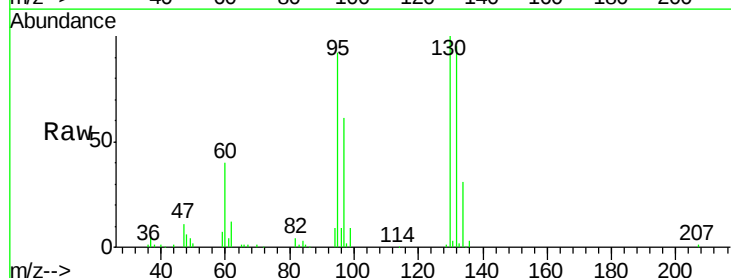
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#44
Trichloroethene
Concen: 19.191 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	196.6





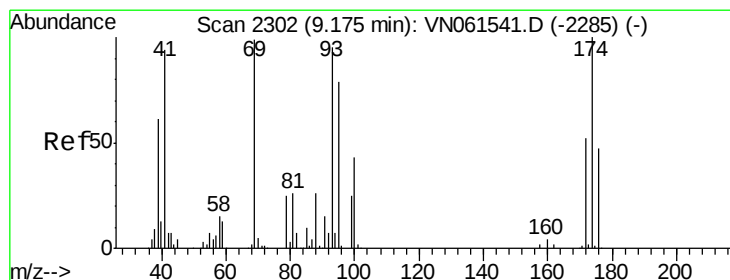
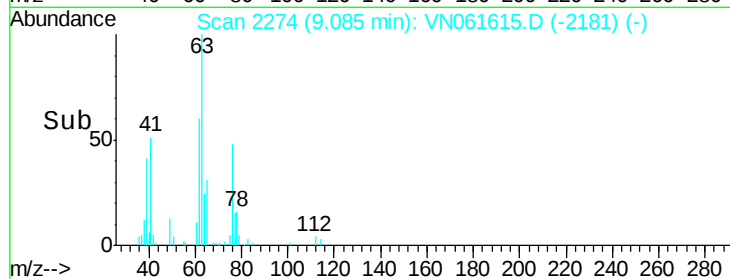
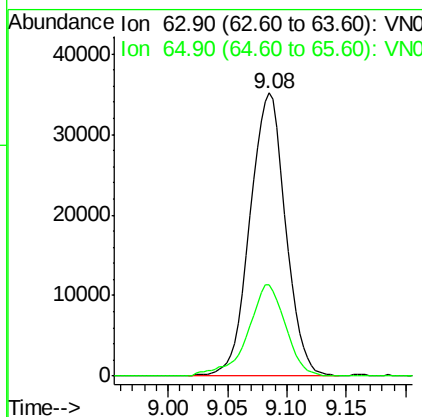
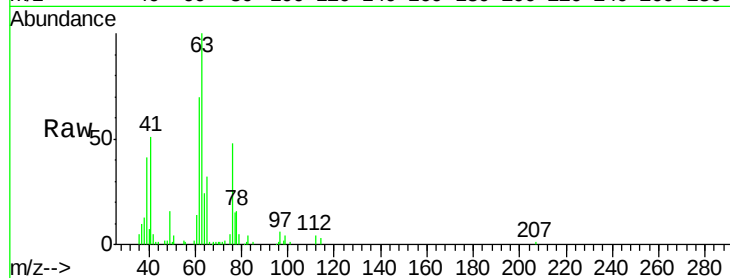
#45
 1,2-Dichloropropane
 Concen: 18.551 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion: 63 Resp: 72896
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.7 37.1

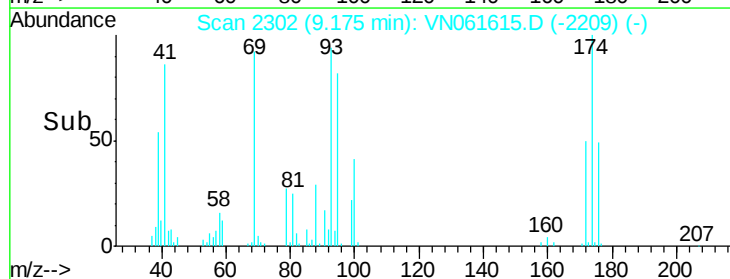
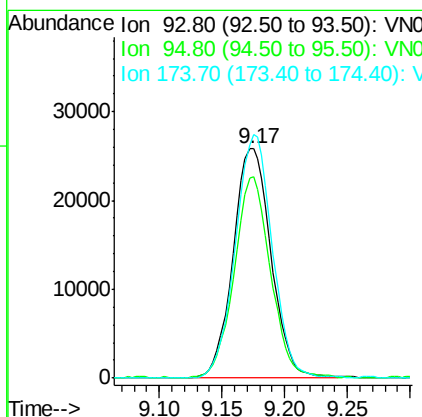
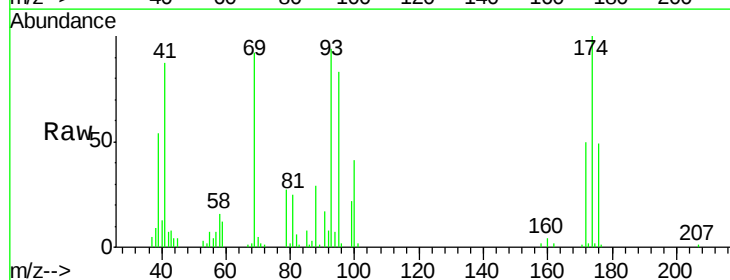
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#46
 Dibromomethane
 Concen: 18.093 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion: 93 Resp: 54527
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.0 99.0
 174 102.9 82.5 123.7





#47

Bromodichloromethane

Concen: 18.890 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

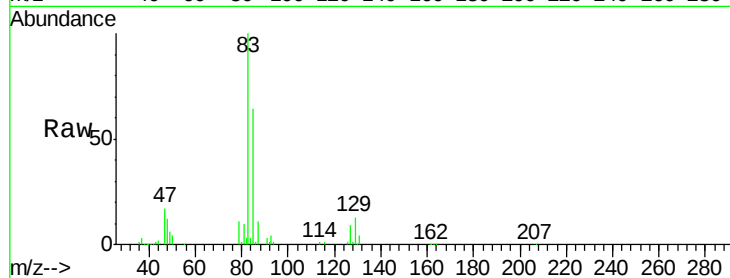
ClientSampleId :

VN0602WBSD01

Tot Ion:	83	Resp:	112786
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	8.7	7.2	10.8

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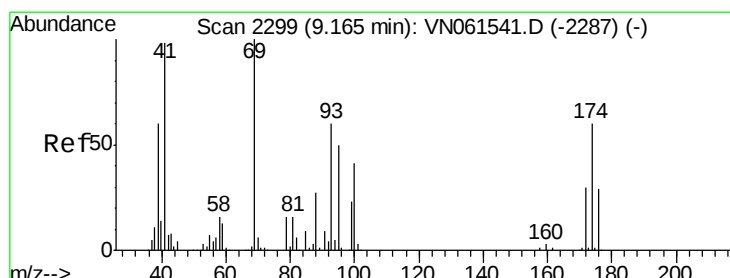
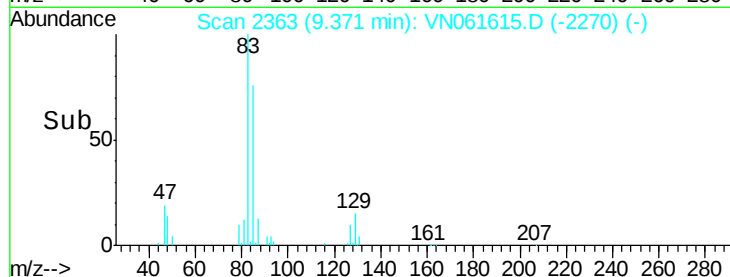


Abundance Ion 82.90 (82.60 to 83.60): VN061615.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061615.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061615.D (-2270) (-)

Time-->



#48

Methyl methacrylate

Concen: 16.896 ug/l

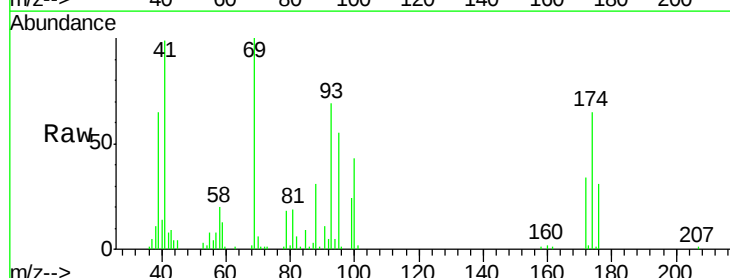
RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	41	Resp:	59078
Ion Ratio	Lower	Upper	
41	100		
69	104.6	83.9	125.9
39	63.0	52.1	78.1

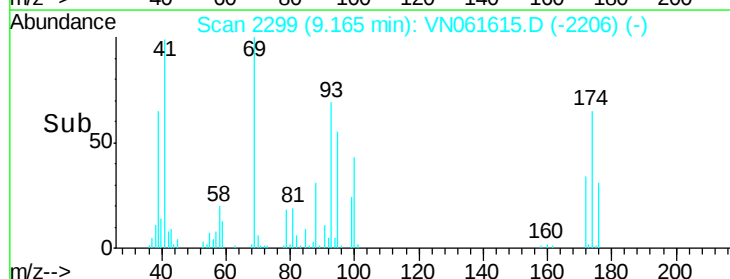


Abundance Ion 41.00 (40.70 to 41.70): VN061615.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061615.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061615.D (-2206) (-)

Time-->





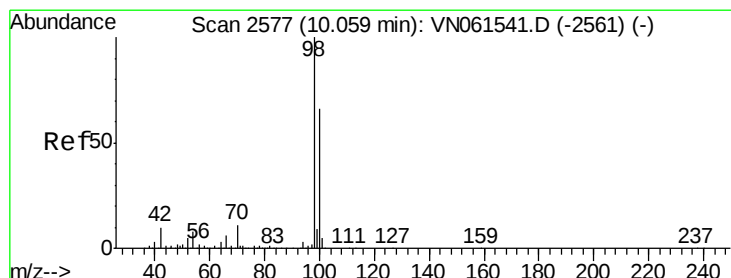
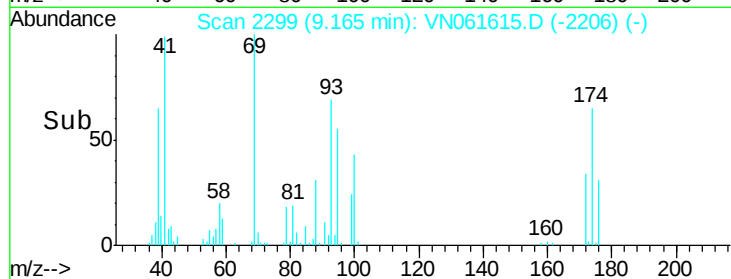
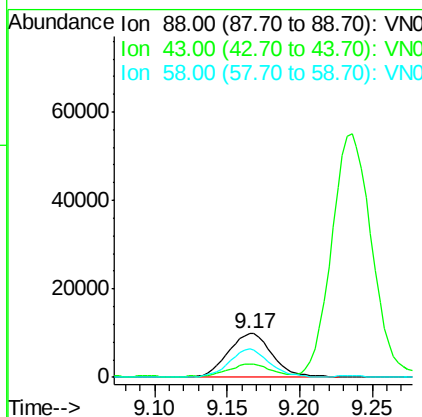
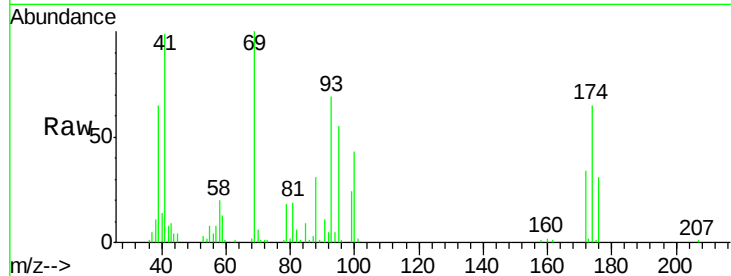
#49
1,4-Dioxane
Concen: 389.378 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	88	Resp	21092
Ion Ratio	Lower	Upper	
88	100		
43	26.6	23.1	34.7
58	57.9	48.3	72.5

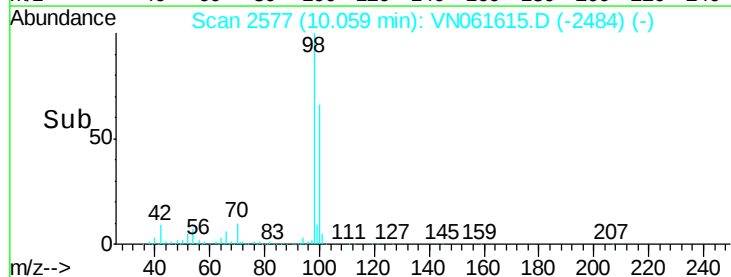
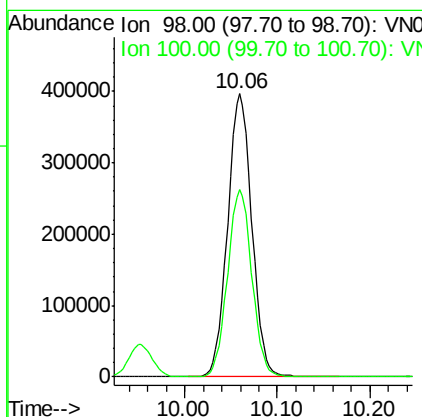
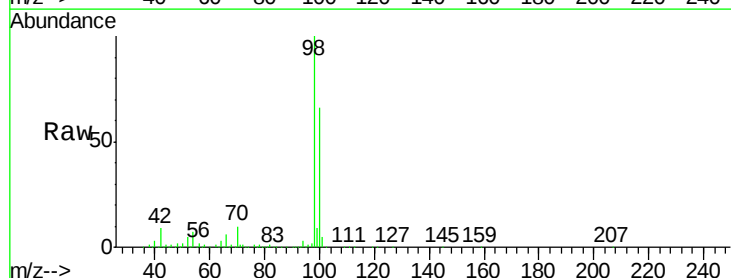
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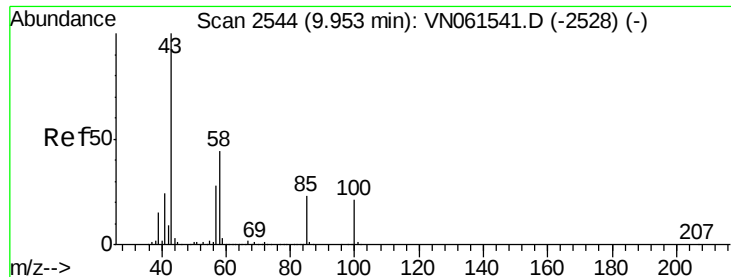
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#50
Toluene-d8
Concen: 50.400 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	98	Resp	717803
Ion Ratio	Lower	Upper	
98	100		
100	66.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 86.246 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion: 43 Resp: 377719

Ion Ratio Lower Upper

43 100

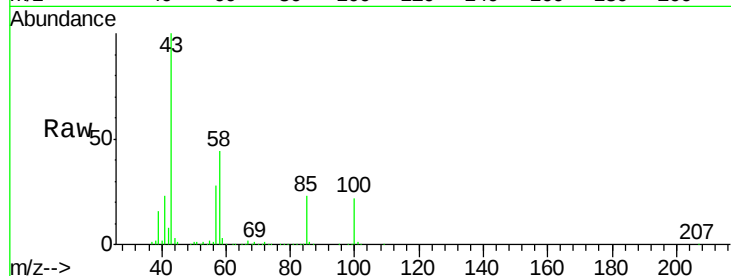
58 43.9 35.0 52.6

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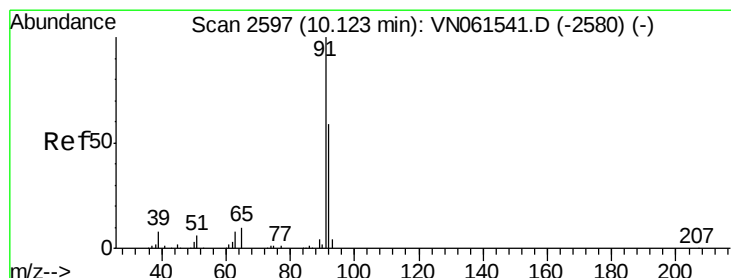
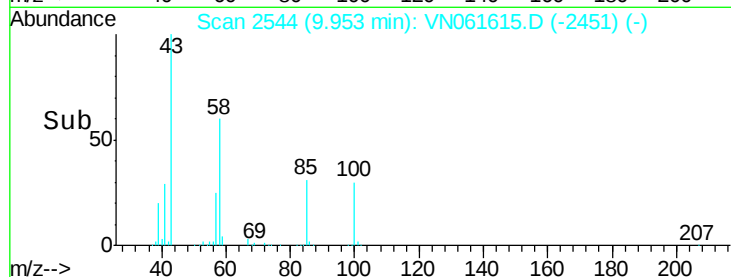
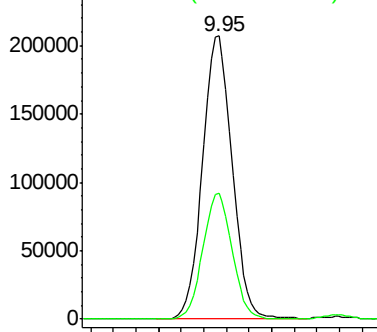
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.014 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061615.D

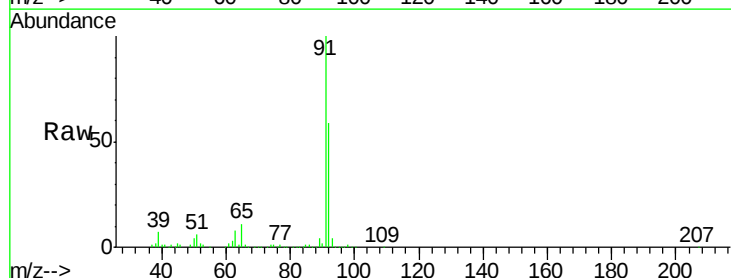
Acq: 2 Jun 2020 13:01

Tgt Ion: 92 Resp: 205363

Ion Ratio Lower Upper

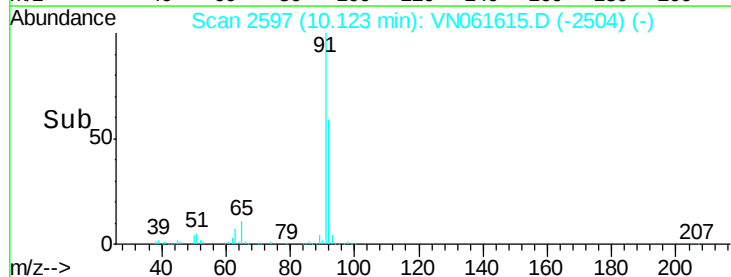
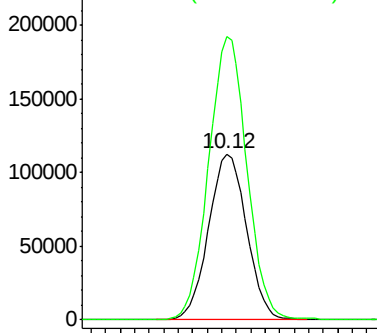
92 100

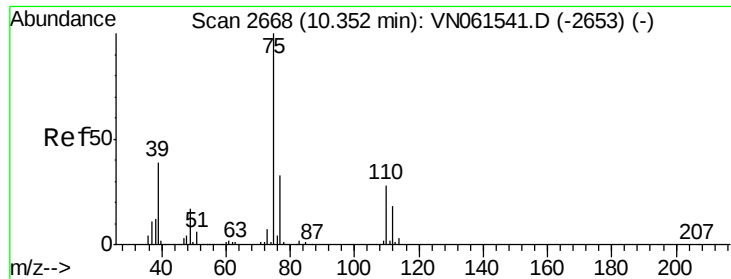
91 171.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





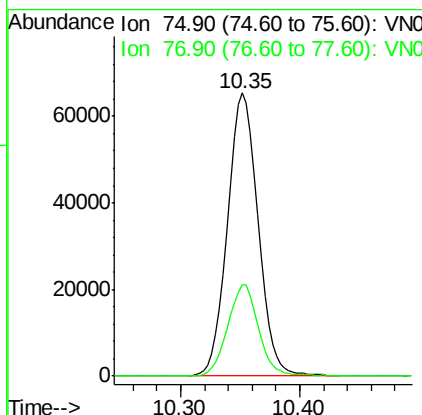
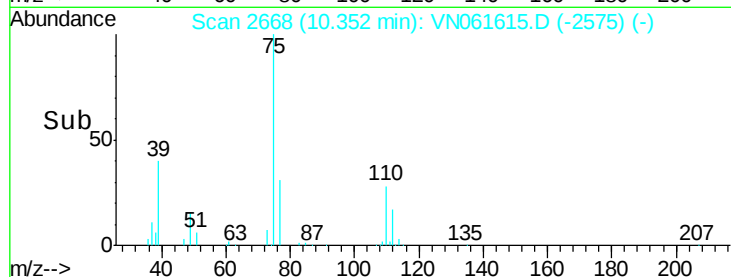
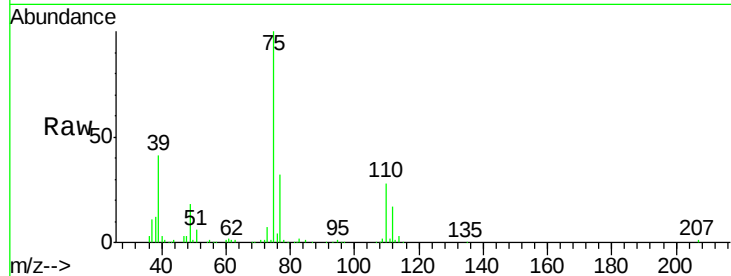
#53
t-1,3-Dichloropropene
Concen: 18.161 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion: 75 Resp: 116813
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.4

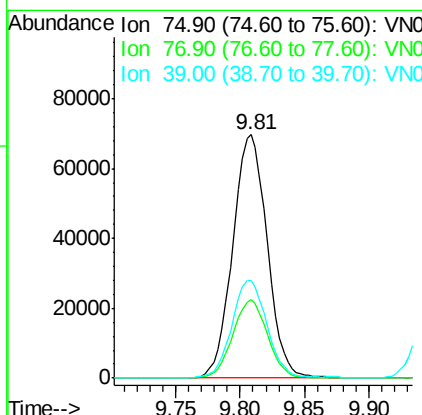
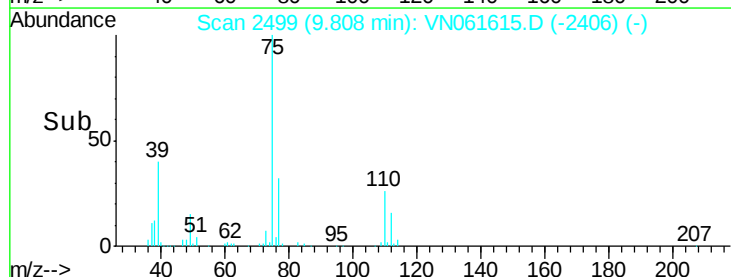
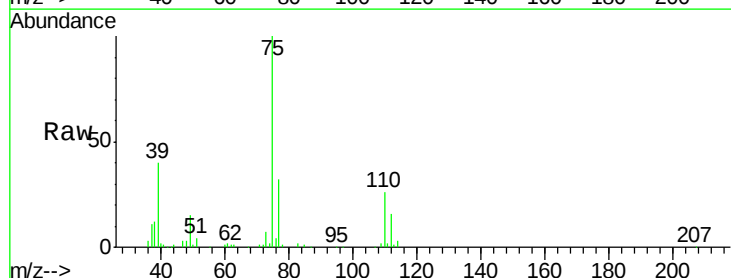
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#54
cis-1,3-Dichloropropene
Concen: 18.723 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion: 75 Resp: 129489
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2
39 40.1 33.8 50.6





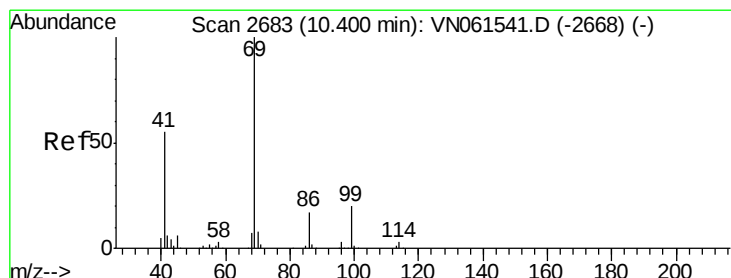
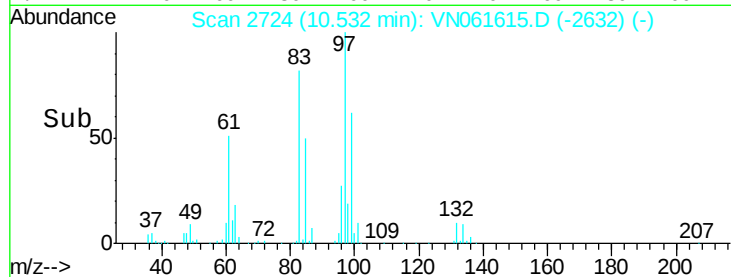
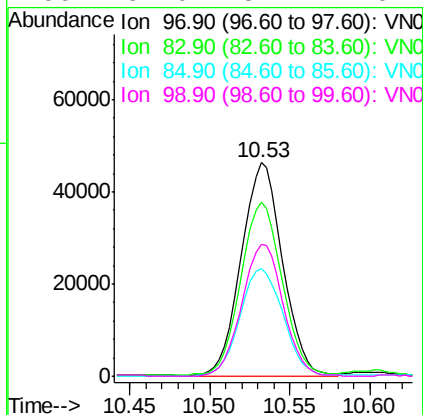
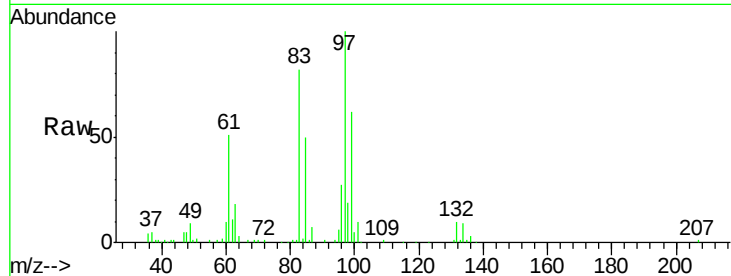
#55
 1,1,2-Trichloroethane
 Concen: 19.076 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion:	97	Resp:	82087
Ion	Ratio	Lower	Upper
97	100		
83	81.0	68.1	102.1
85	50.4	44.1	66.1
99	62.0	51.1	76.7

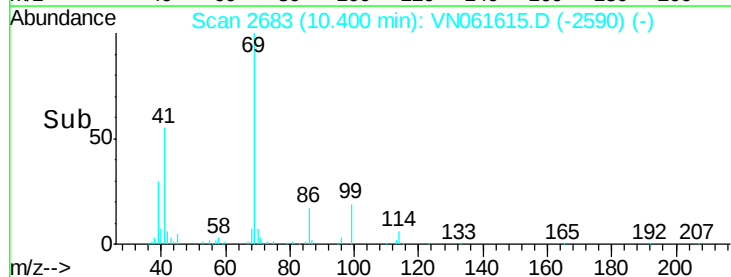
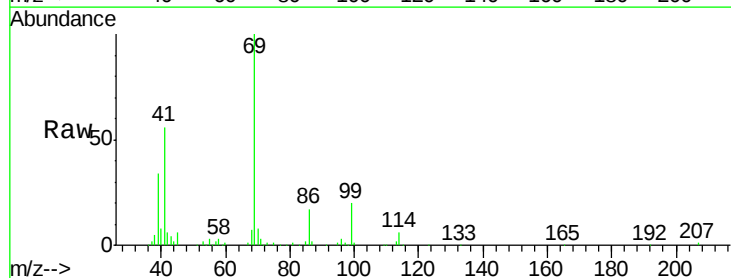
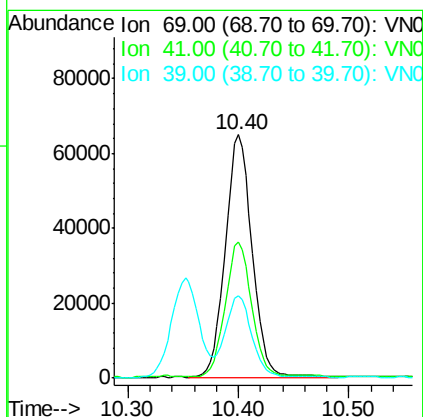
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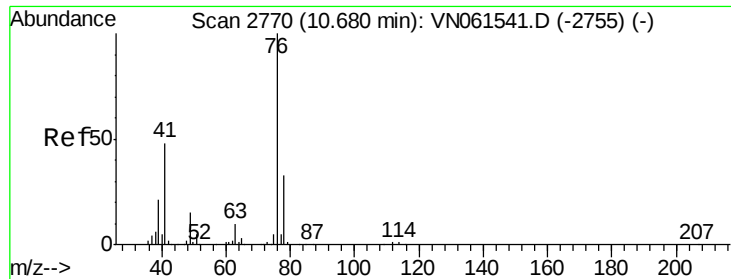
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#56
 Ethyl methacrylate
 Concen: 18.160 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion:	69	Resp:	109157
Ion	Ratio	Lower	Upper
69	100		
41	54.2	43.5	65.3
39	33.0	27.0	40.6





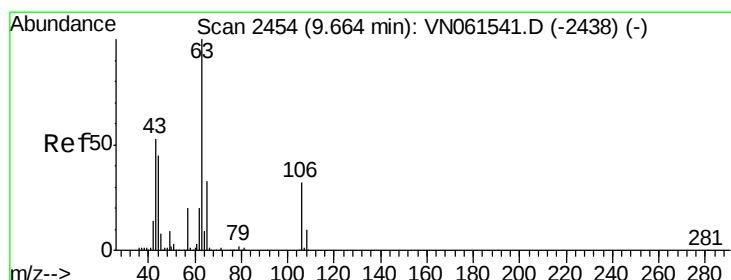
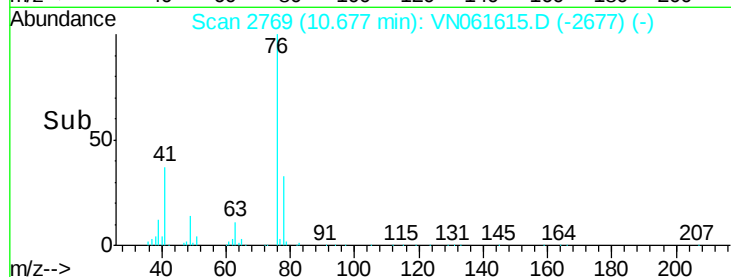
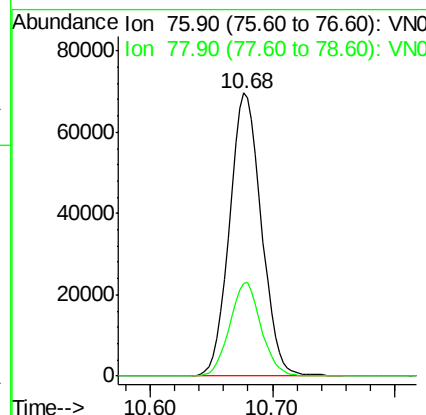
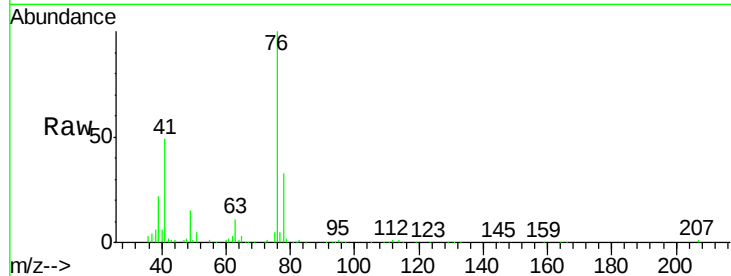
#57
 1,3-Dichloropropane
 Concen: 18.463 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

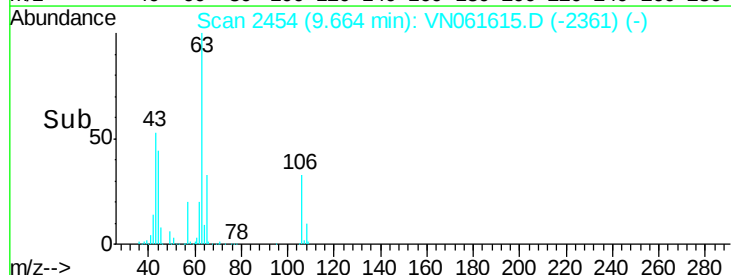
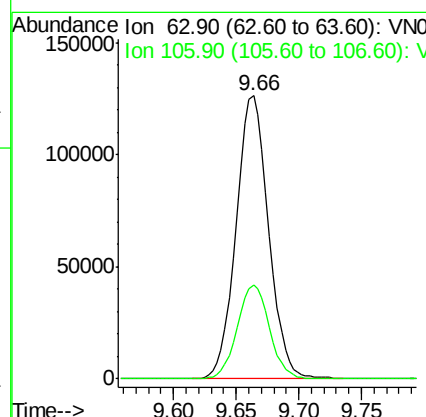
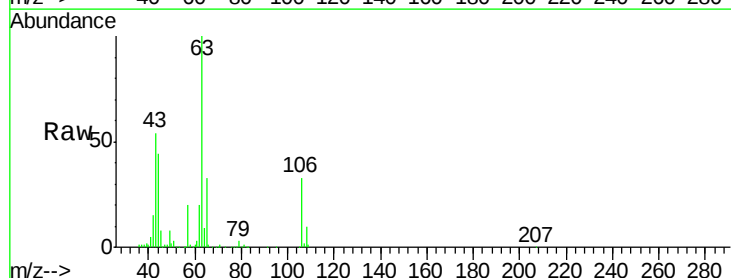
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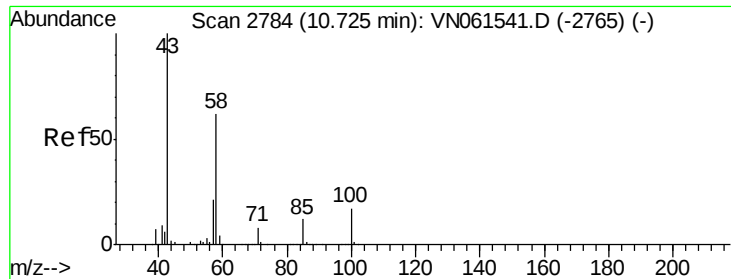
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#58
 2-Chloroethyl Vinyl ether
 Concen: 88.309 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.1	25.9	38.9





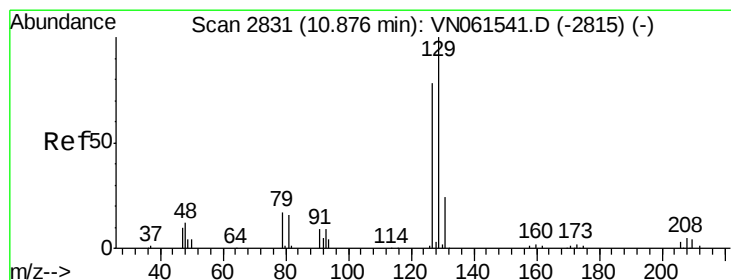
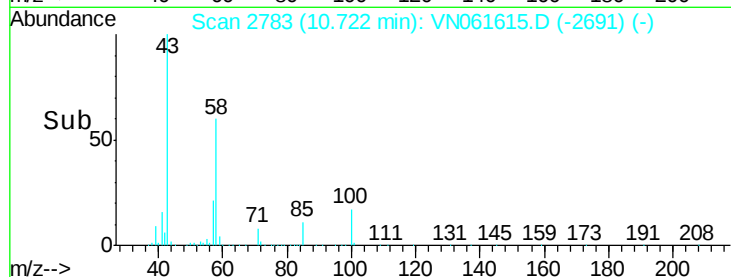
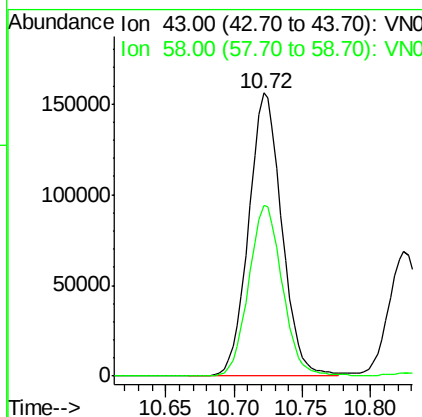
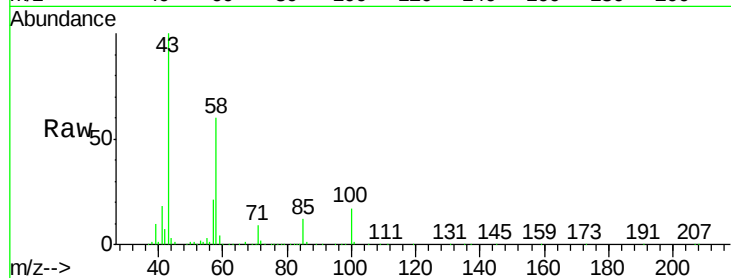
#59
2-Hexanone
Concen: 83.591 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion: 43 Resp: 262916
Ion Ratio Lower Upper
43 100
58 61.5 30.7 92.1

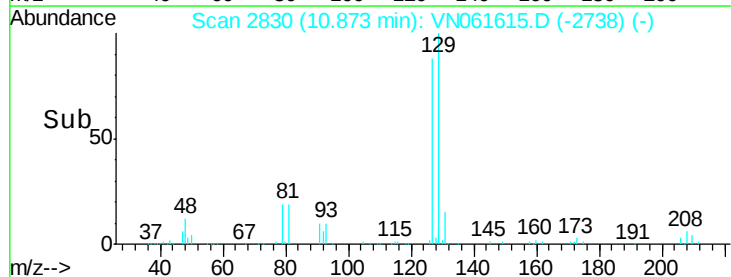
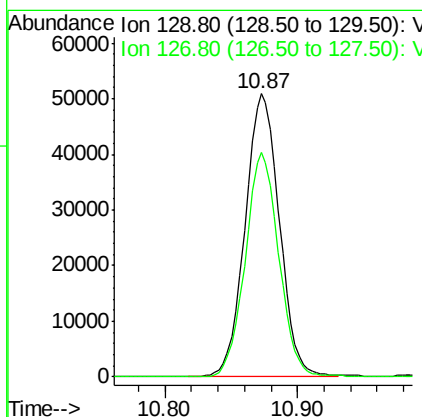
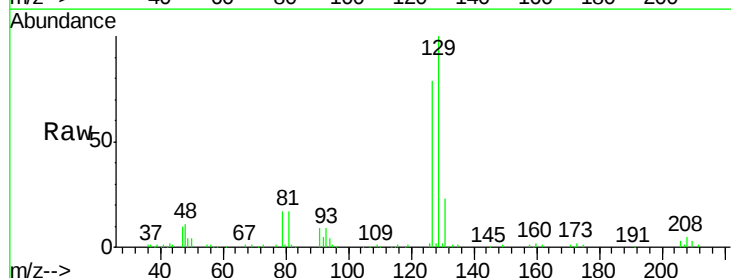
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#60
Dibromochloromethane
Concen: 18.725 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion: 129 Resp: 91604
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3





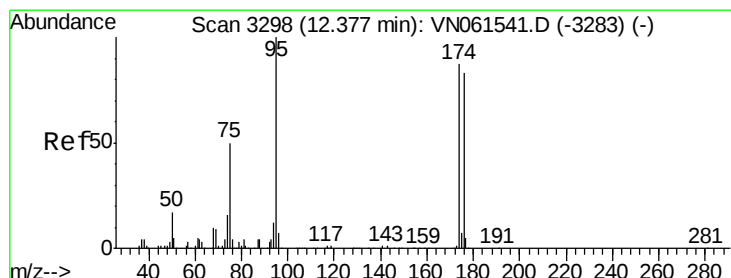
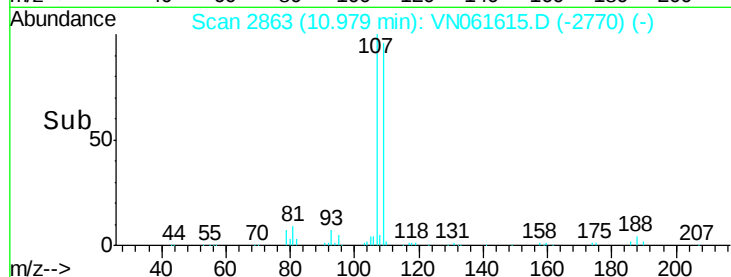
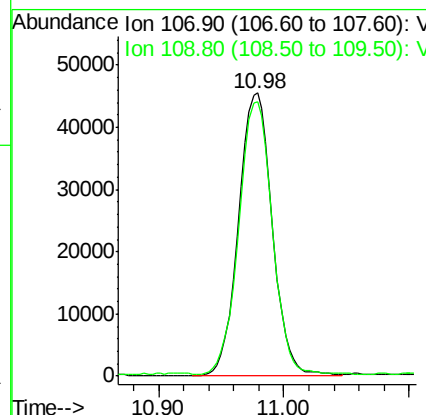
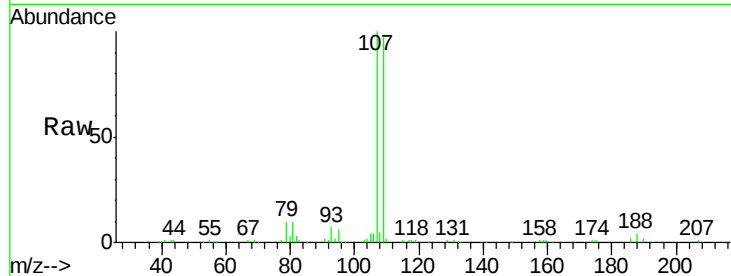
#61
 1,2-Dibromoethane
 Concen: 19.057 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion: 107 Resp: 85526
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.1 114.1

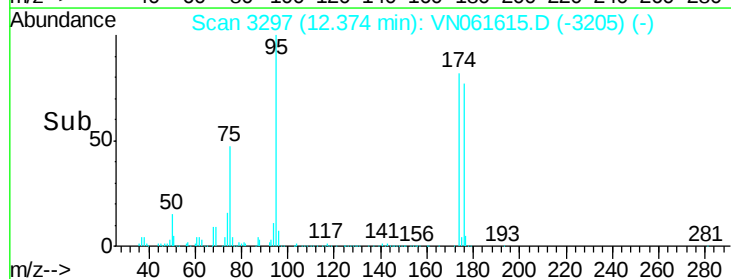
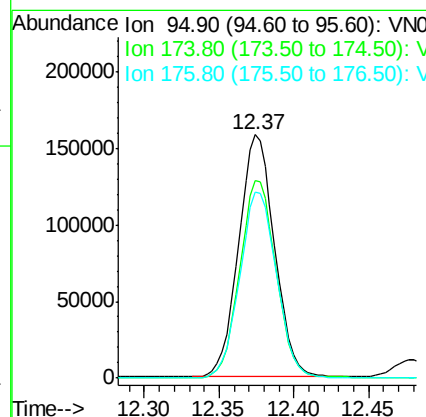
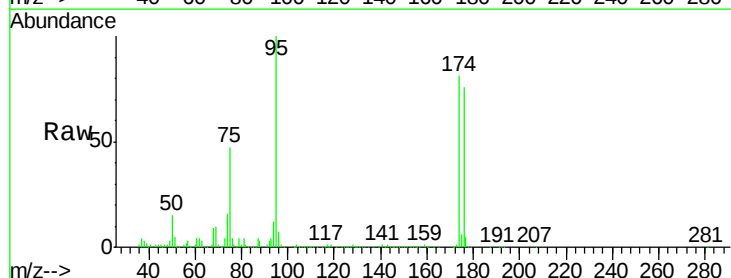
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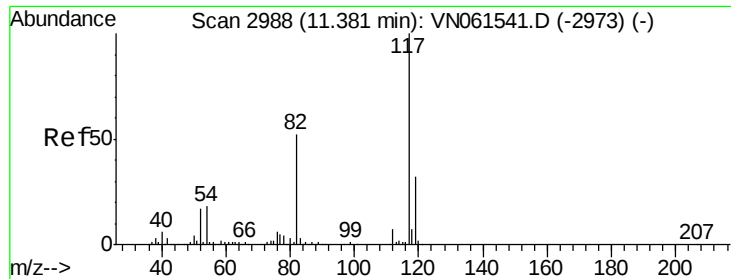
MMDadoda
 6/3/2020 11:32:22 AM



#62
 4-Bromofluorobenzene
 Concen: 50.329 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion: 95 Resp: 261511
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 172.8
 176 79.6 0.0 164.8





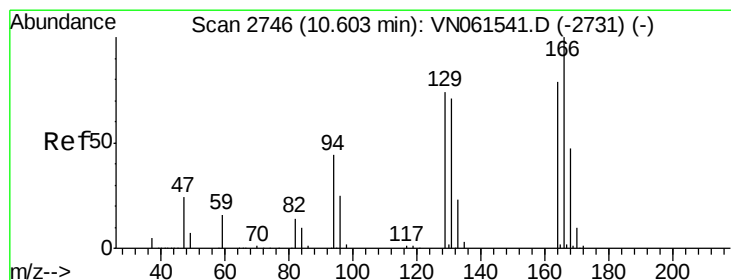
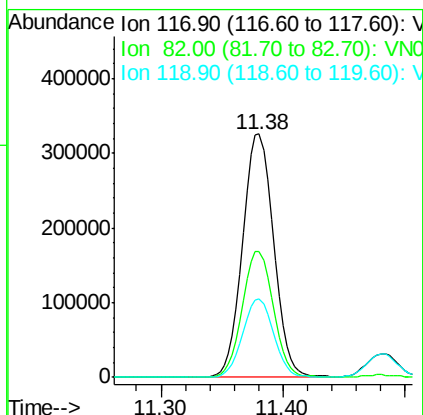
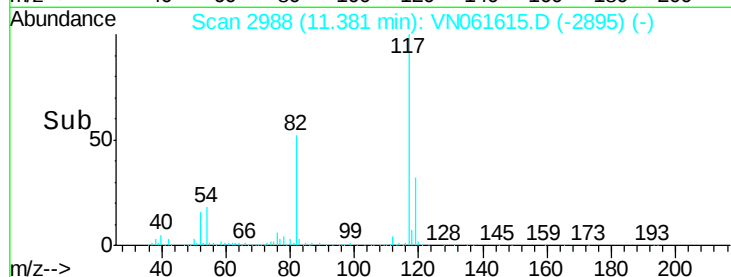
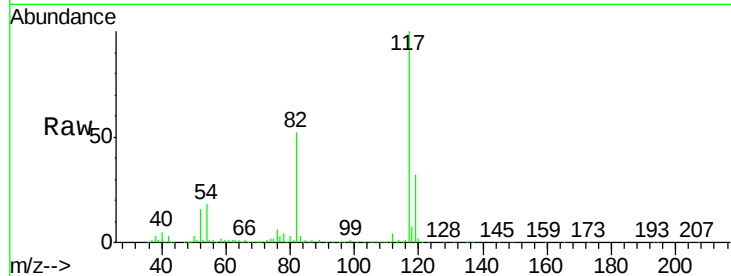
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.5	62.3
119	32.1	25.6	38.4

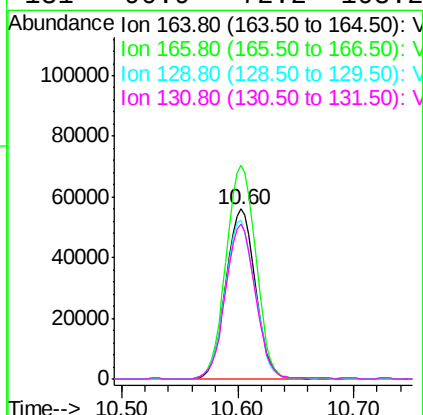
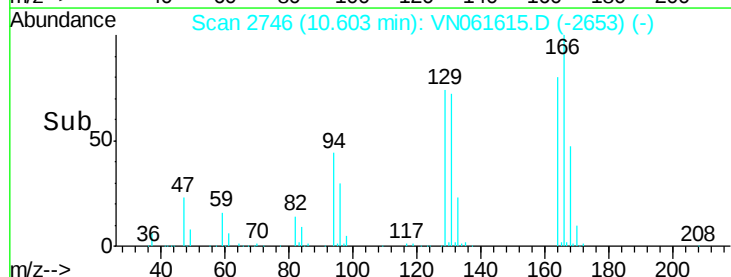
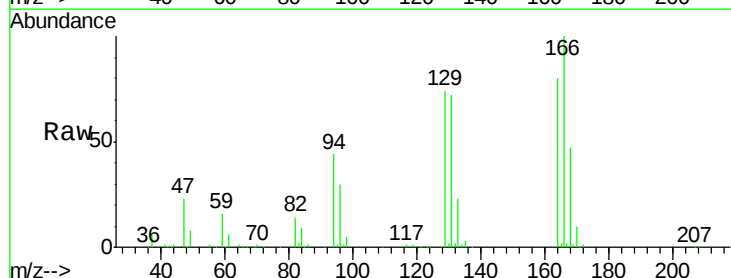
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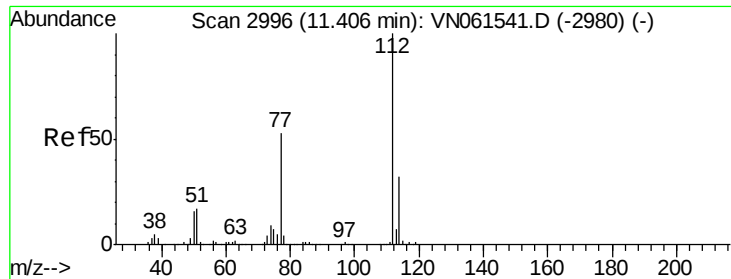
MMDadoda
6/3/2020 11:32:22 AM



#64
Tetrachloroethene
Concen: 18.278 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.5	152.3
129	93.2	74.9	112.3
131	90.9	72.2	108.2





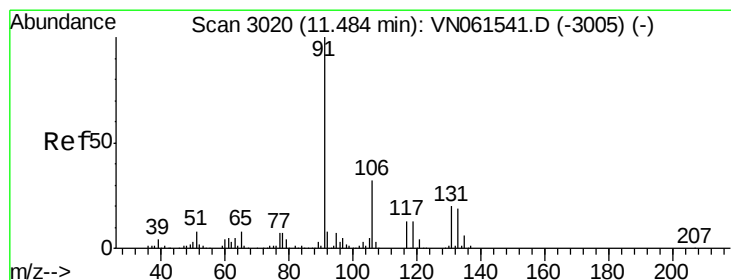
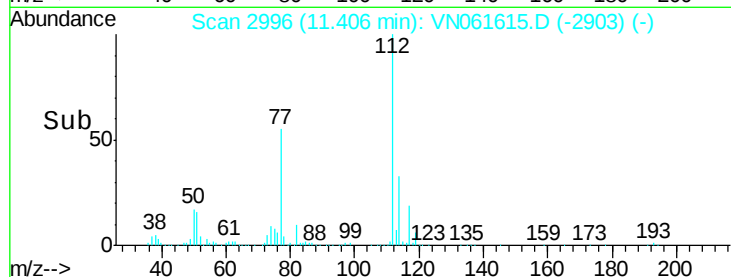
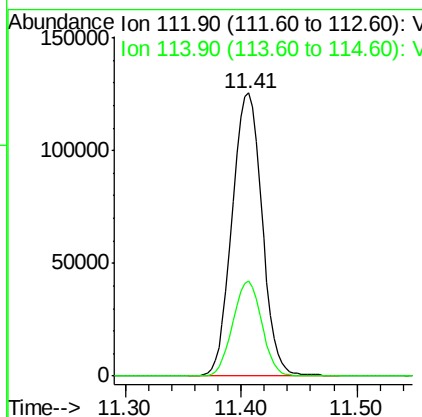
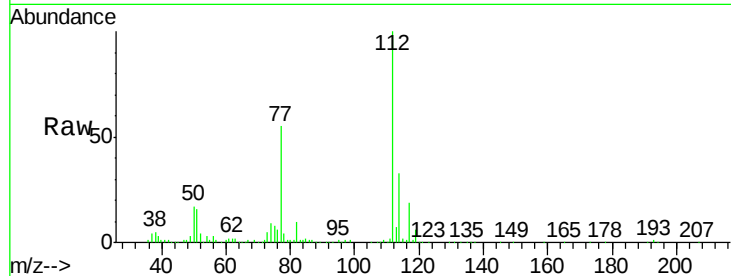
#65
Chlorobenzene
Concen: 18.874 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion:112 Resp: 224734
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5

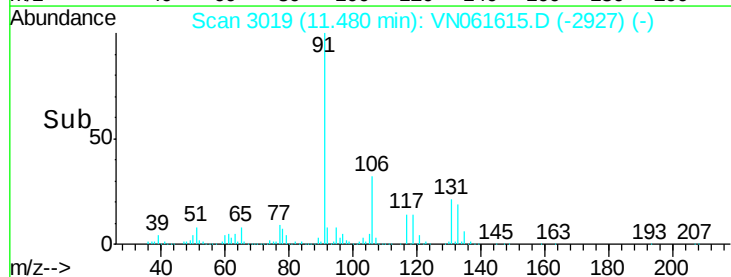
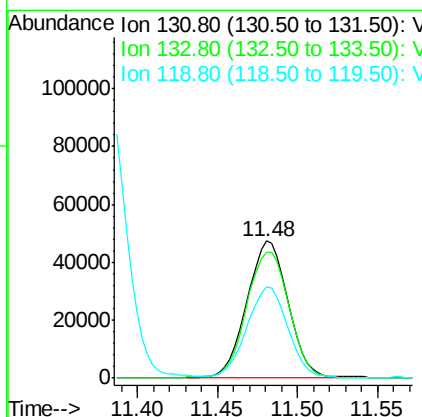
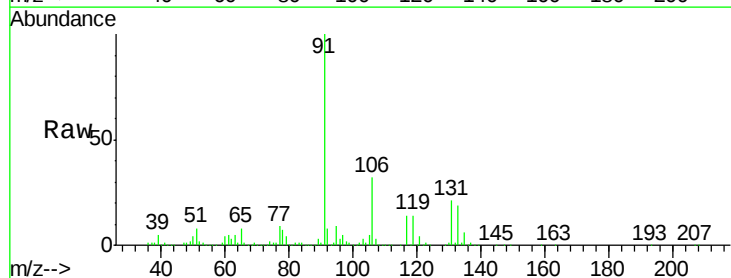
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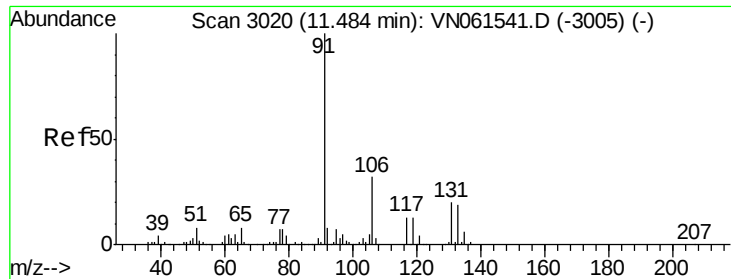
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.578 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion:131 Resp: 82367
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 66.4 32.6 97.8





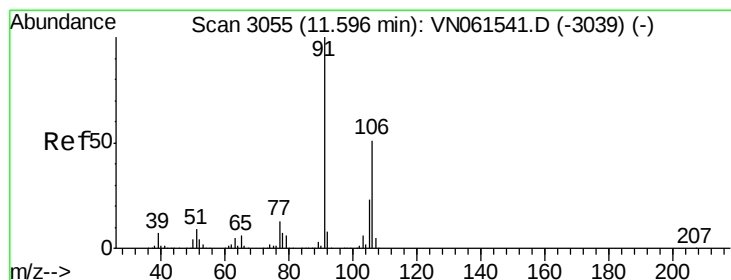
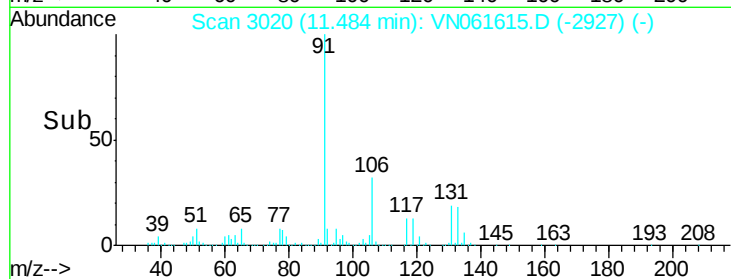
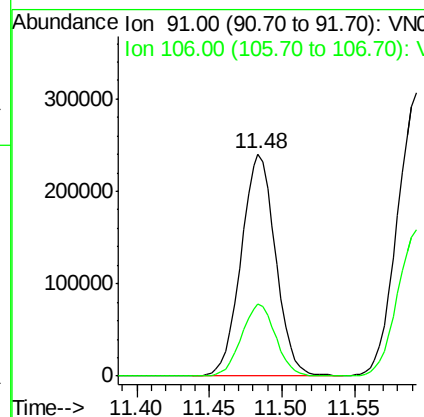
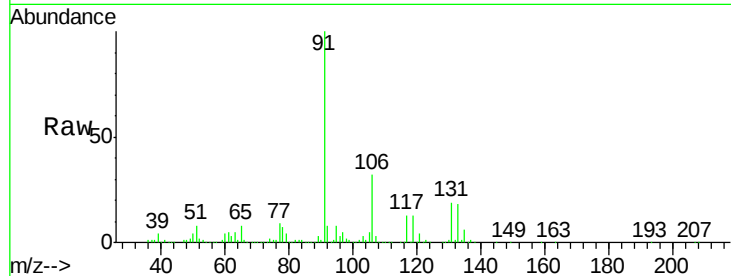
#67
Ethyl Benzene
Concen: 19.140 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion: 91 Resp: 393893
Ion Ratio Lower Upper
91 100
106 32.4 25.6 38.4

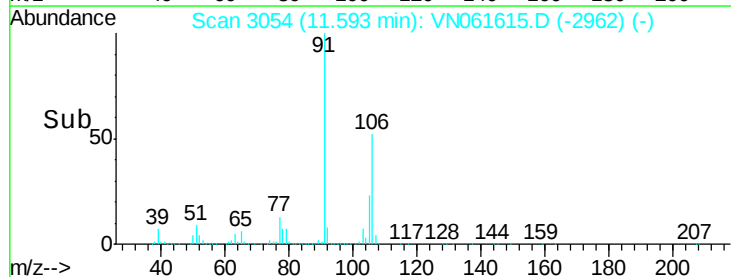
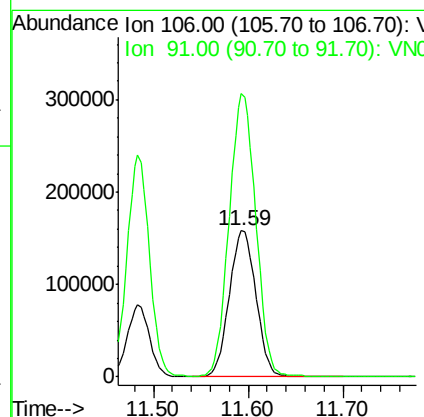
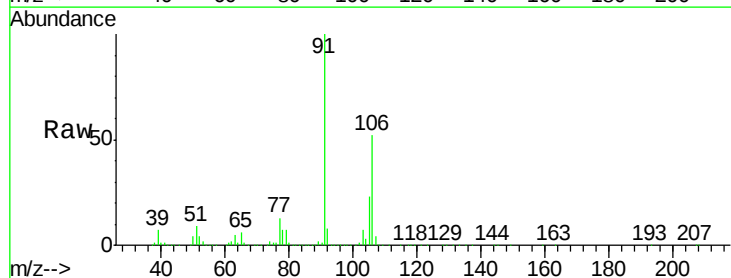
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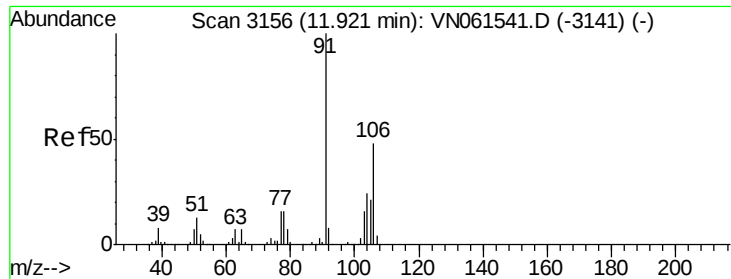
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#68
m/p-Xylenes
Concen: 37.884 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion: 106 Resp: 309134
Ion Ratio Lower Upper
106 100
91 192.9 156.2 234.4





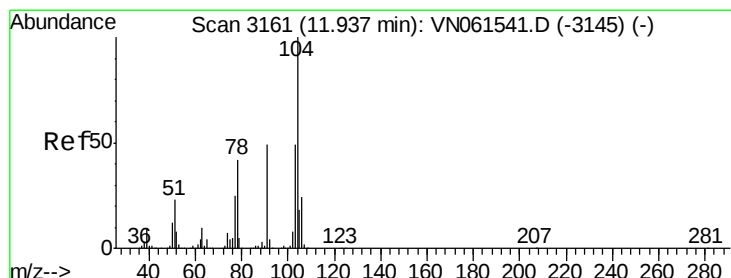
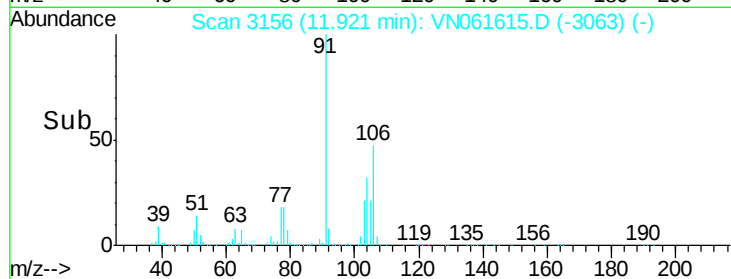
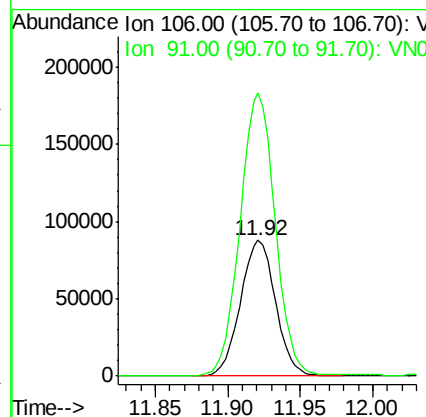
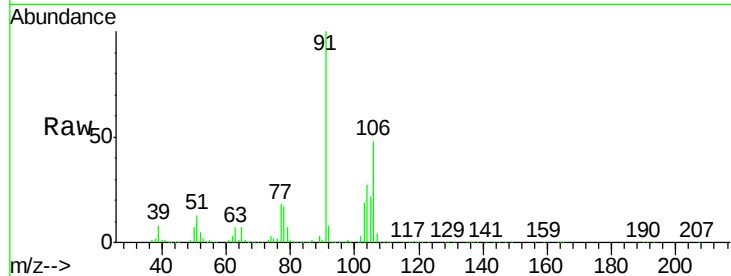
#69
o-Xylene
Concen: 19.108 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.3	103.3	309.8		

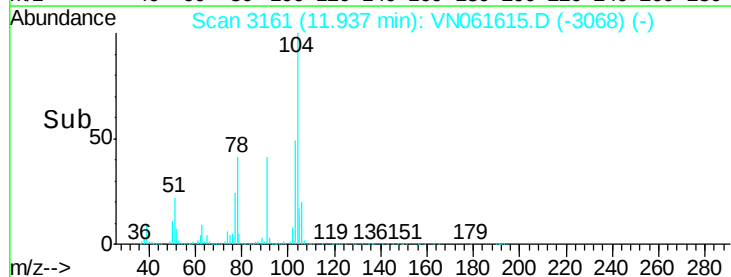
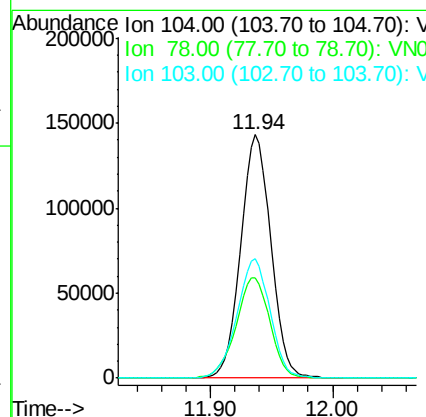
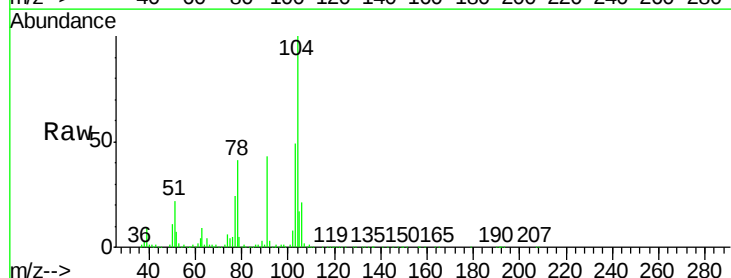
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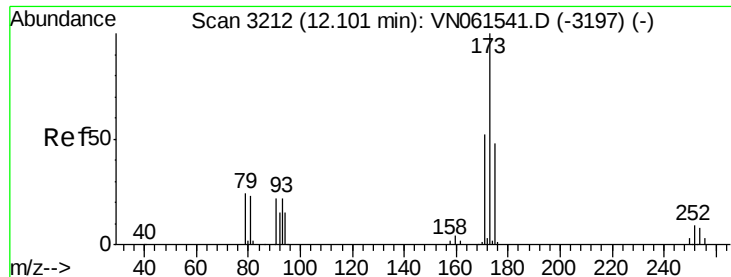
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#70
Styrene
Concen: 19.129 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.4	37.4	56.0		
103	53.7	42.3	63.5		





#71

Bromoform

Concen: 17.686 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion:173 Resp: 60422

Ion Ratio Lower Upper

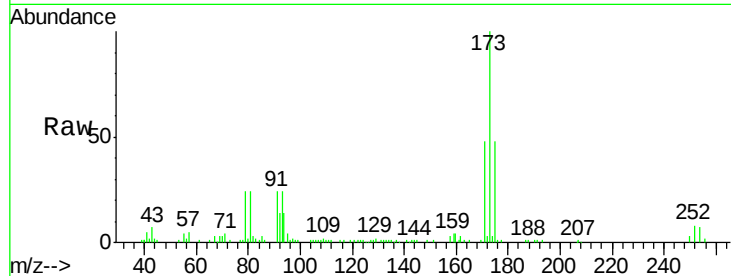
173 100

175 48.9 24.4 73.2

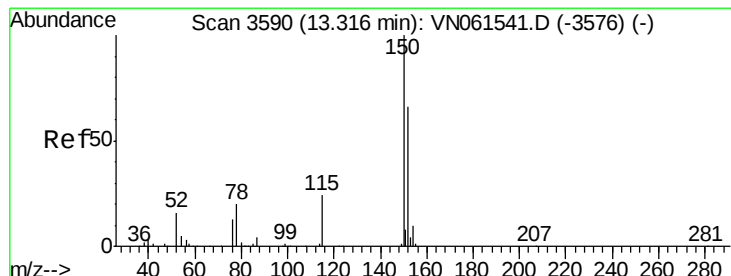
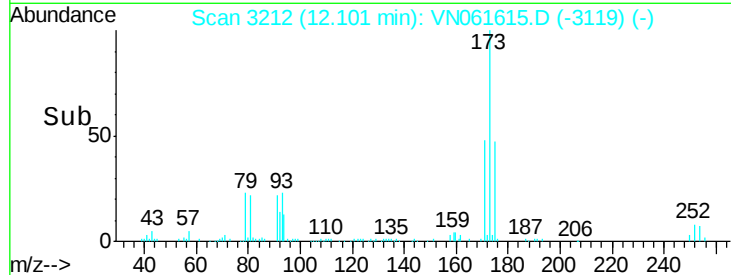
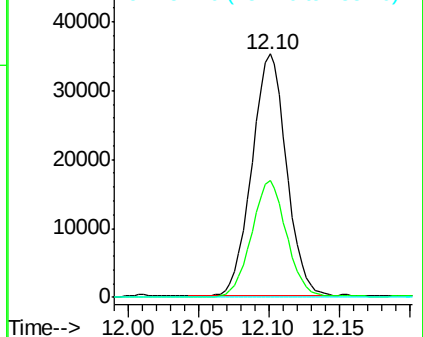
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

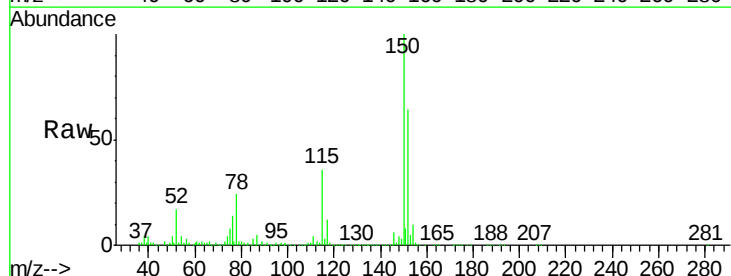
Tgt Ion:152 Resp: 275304

Ion Ratio Lower Upper

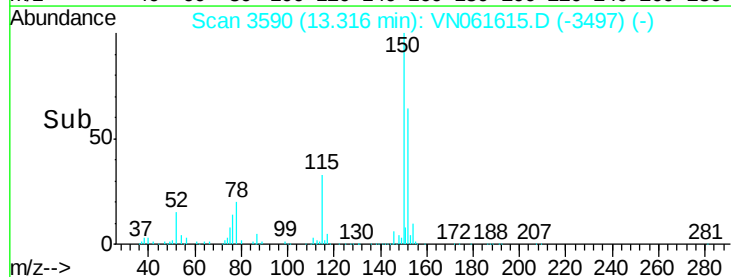
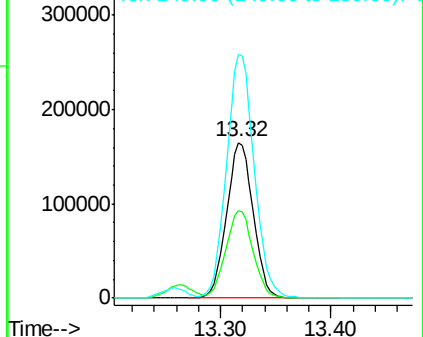
152 100

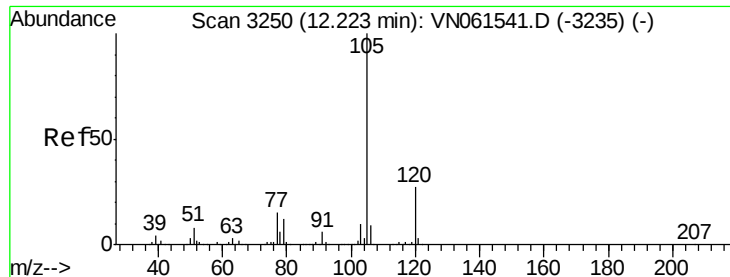
115 56.8 28.0 84.0

150 163.2 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: 18.948 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion:105 Resp: 380729

Ion Ratio Lower Upper

105 100

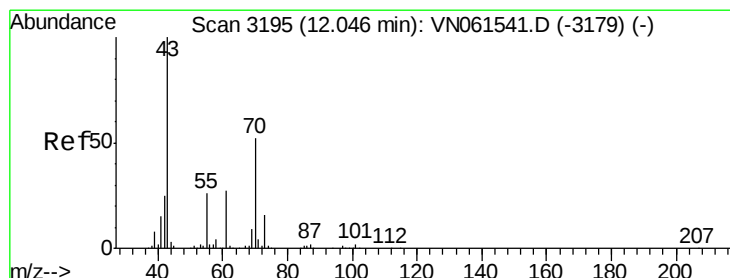
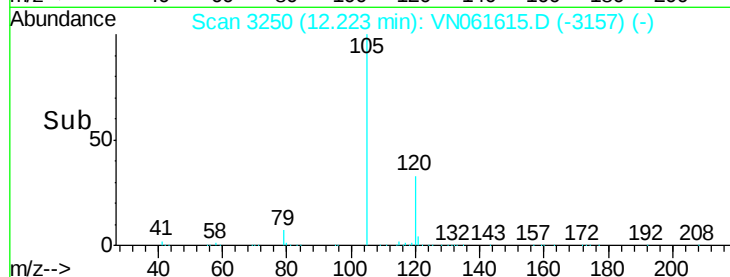
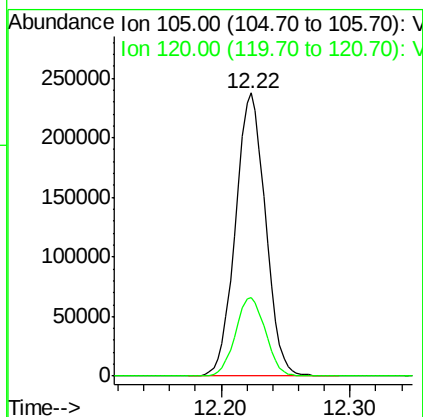
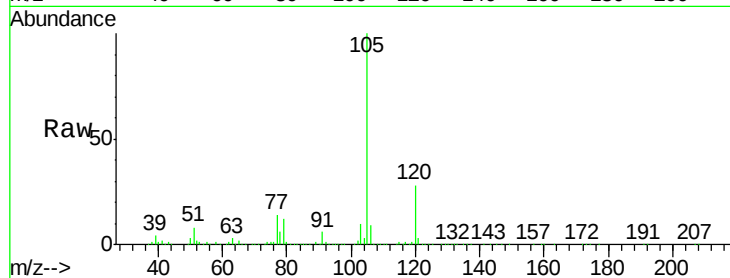
120 28.1 13.8 41.3

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#74

N-ethyl acetate

Concen: 18.280 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion: 43 Resp: 115674

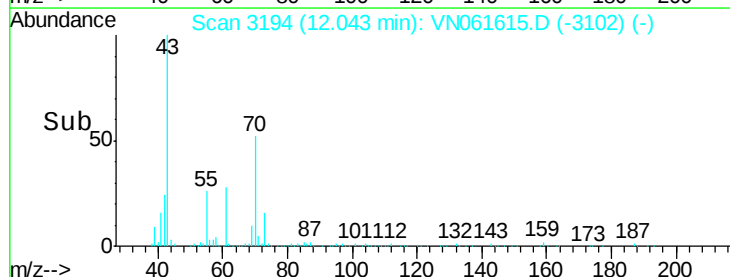
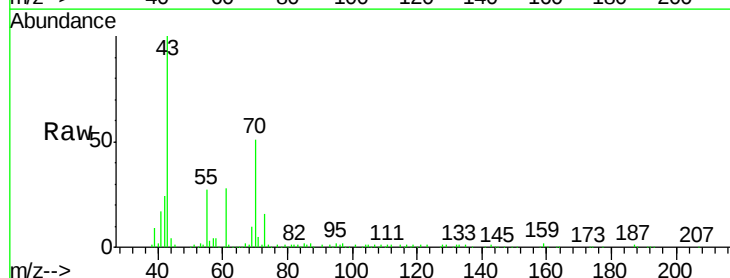
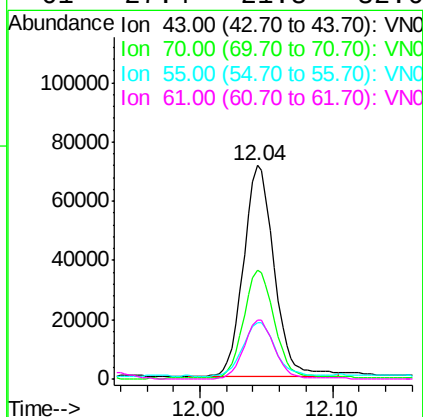
Ion Ratio Lower Upper

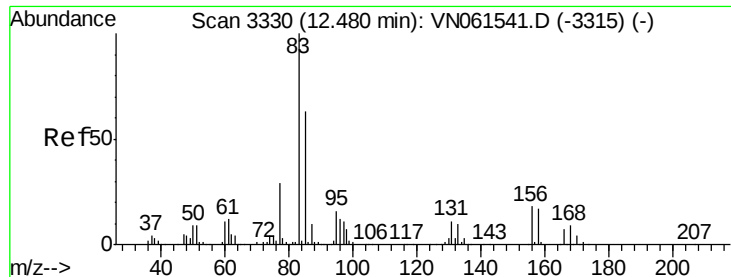
43 100

70 51.0 40.5 60.7

55 25.8 20.6 31.0

61 27.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.954 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

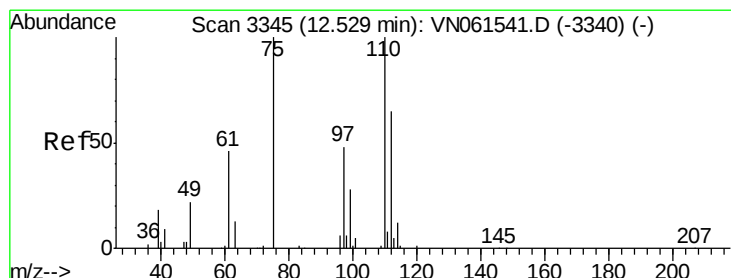
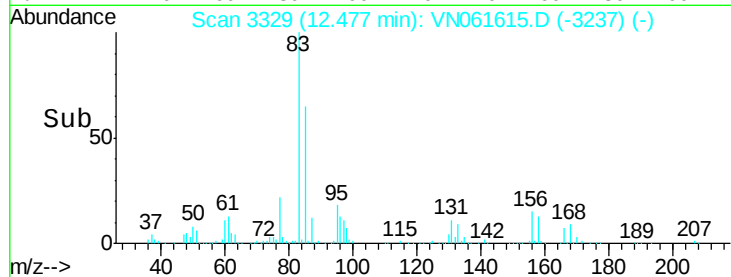
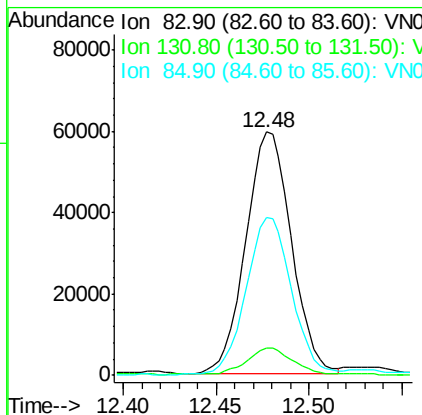
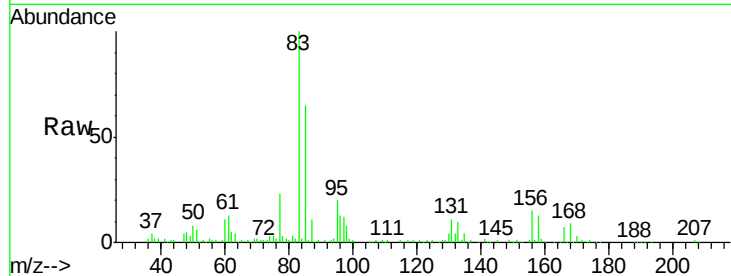
ClientSampleId :

VN0602WBSD01

Tot Ion:	83	Resp:	101095
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.5
85	64.3	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 18.563 ug/l m

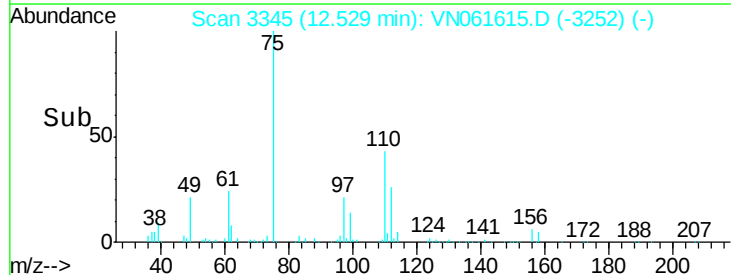
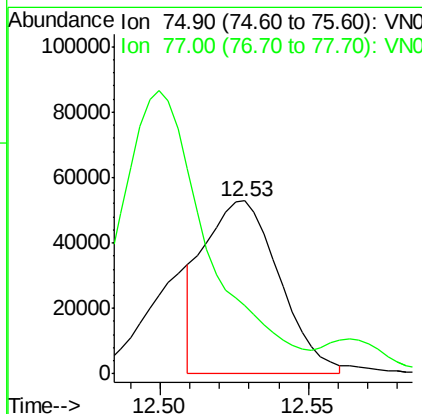
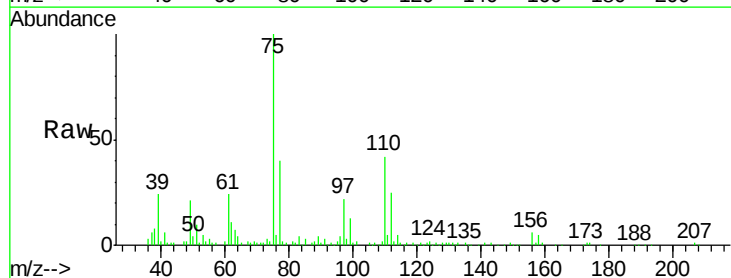
RT: 12.53 min Scan# 3345

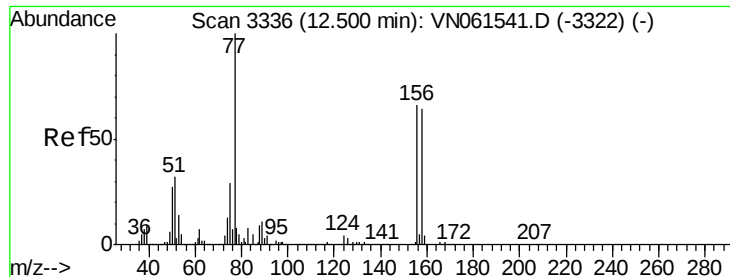
Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	75	Resp:	92926
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.451 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

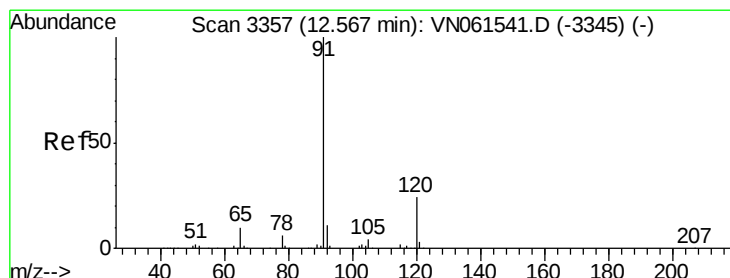
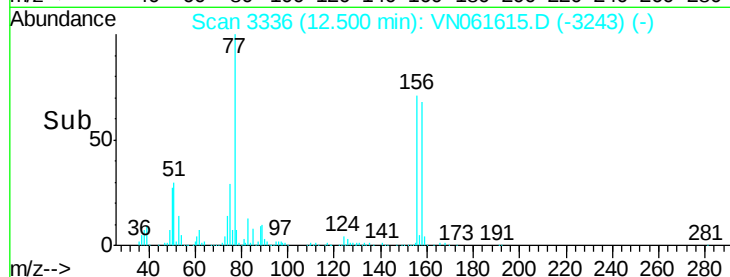
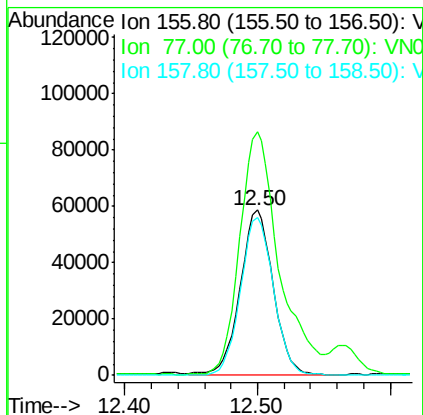
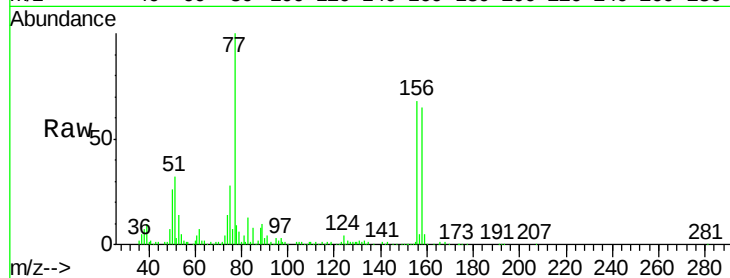
ClientSampleId :

VN0602WBSD01

Tot Ion:	156	Resp:	99766
Ion	Ratio	Lower	Upper
156	100		
77	179.2	90.9	272.7
158	97.4	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 18.347 ug/l

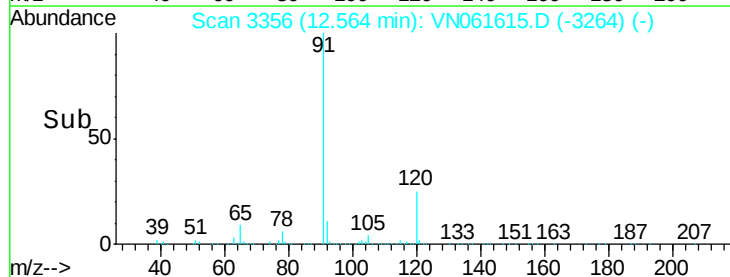
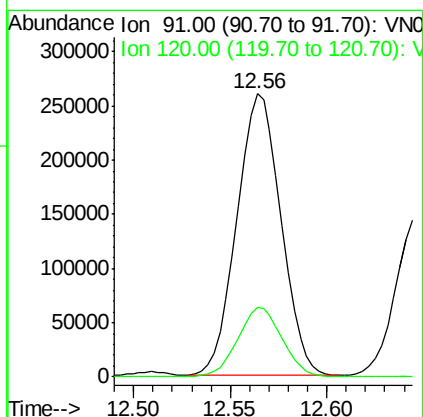
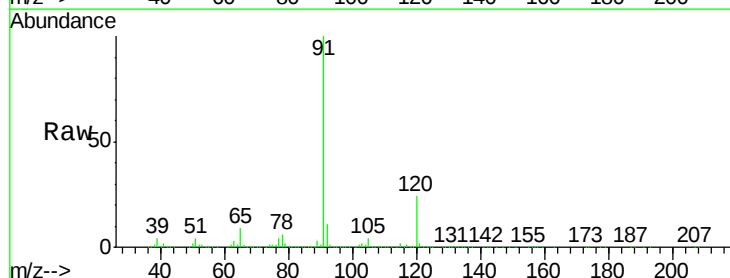
RT: 12.56 min Scan# 3356

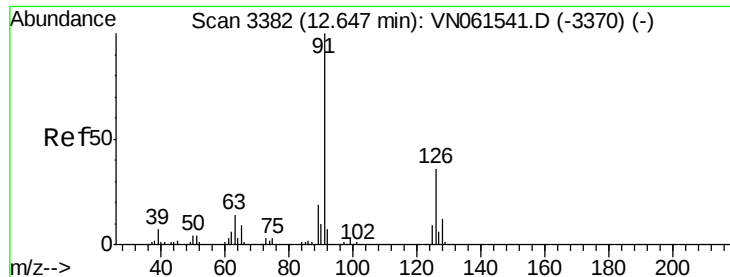
Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	91	Resp:	411552
Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.9





#79

2-Chlorotoluene

Concen: 18.863 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampleId :

VN0602WBSD01

Tot Ion: 91 Resp: 252310

Ion Ratio Lower Upper

91 100

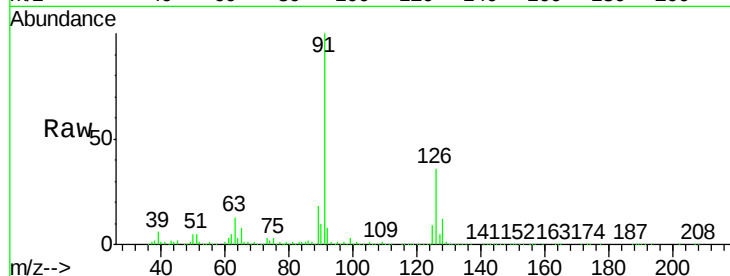
126 36.2 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061615.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061615.D (-3382) (-)

300000

250000

200000

150000

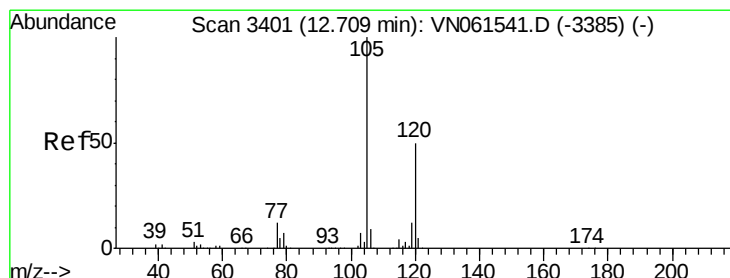
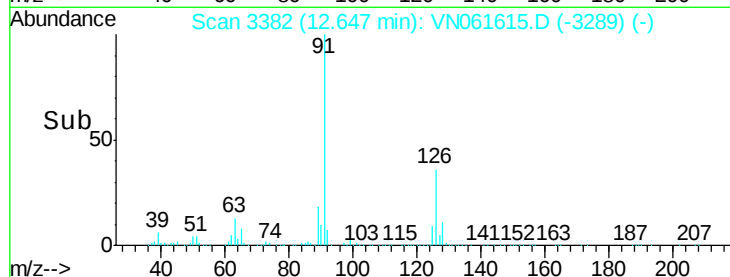
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.555 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061615.D

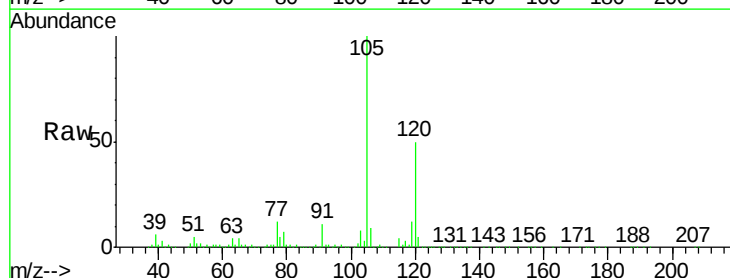
Acq: 2 Jun 2020 13:01

Tgt Ion: 105 Resp: 311617

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061615.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061615.D (-3401) (-)

200000

150000

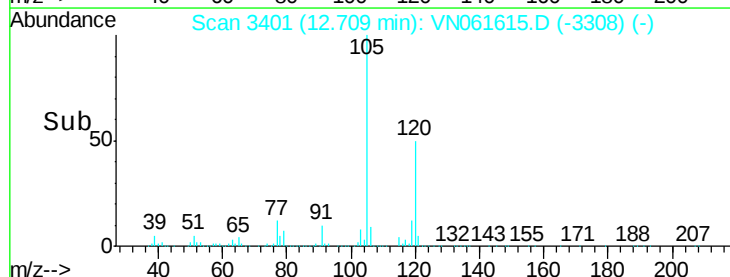
100000

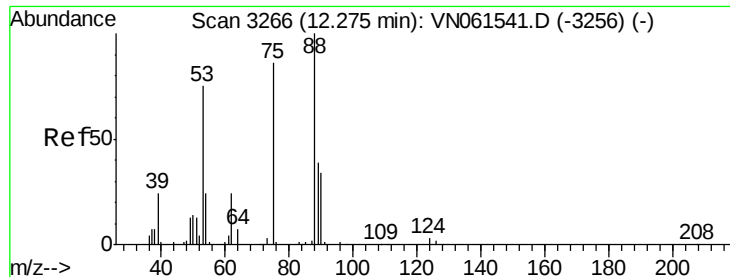
50000

0

12.60 12.70 12.80

Time-->





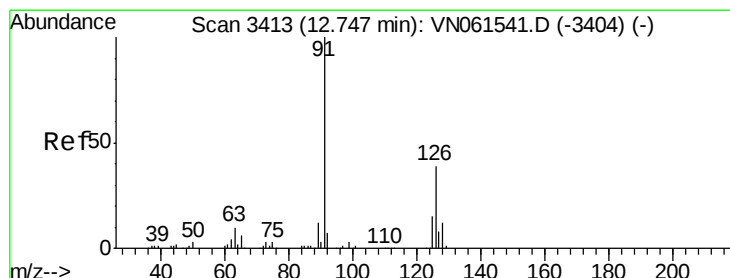
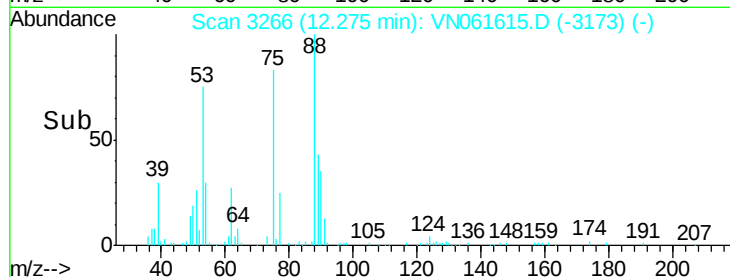
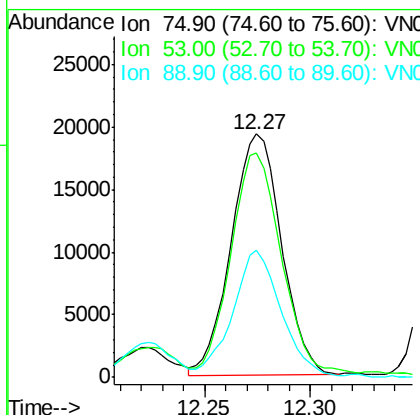
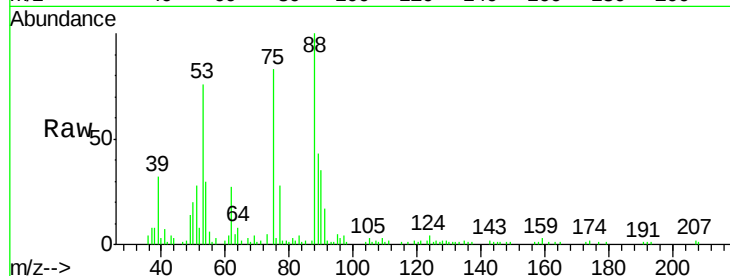
#81
trans-1,4-Dichloro-2-butene
Concen: 16.284 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	67.8	101.8
89	49.2	37.1	55.7

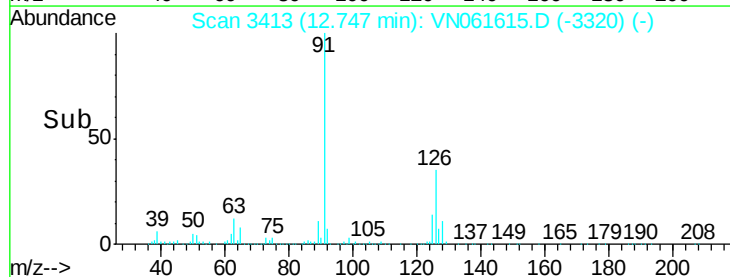
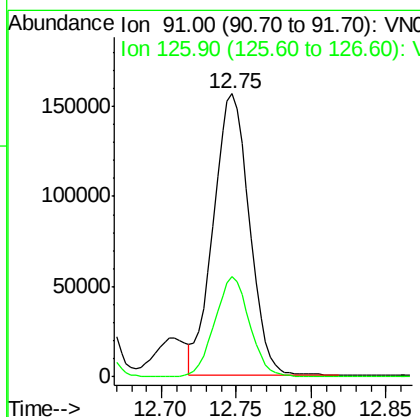
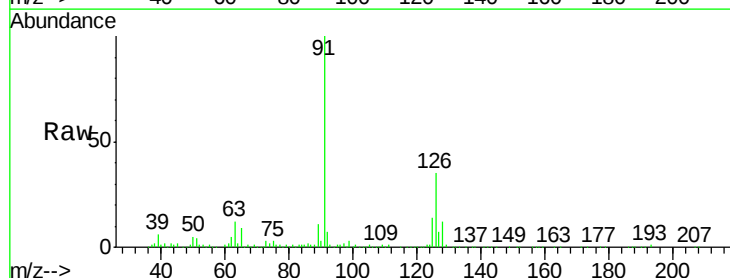
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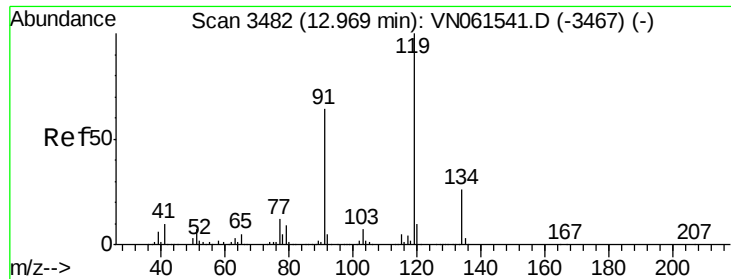
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#82
4-Chlorotoluene
Concen: 18.506 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.6





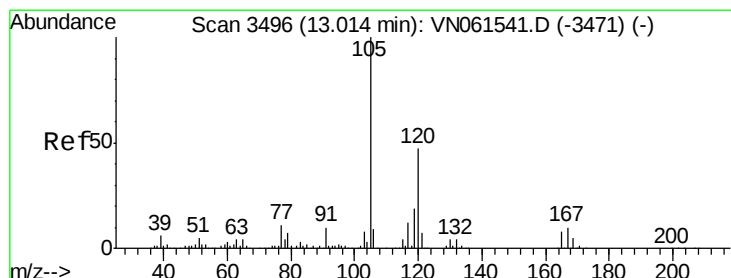
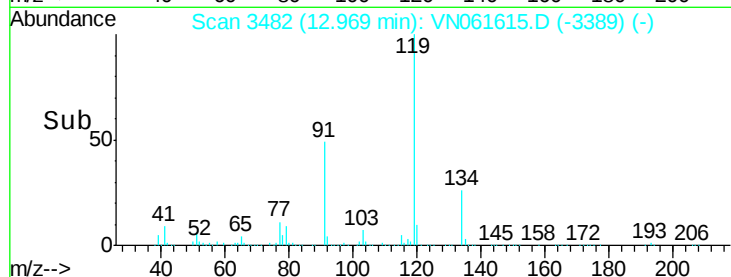
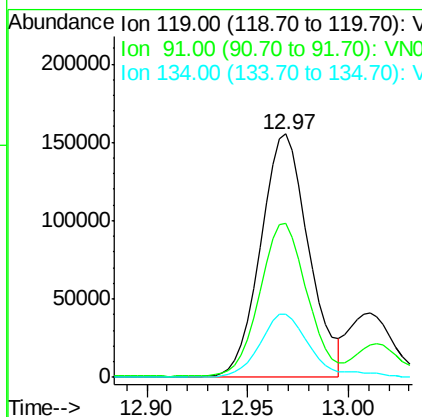
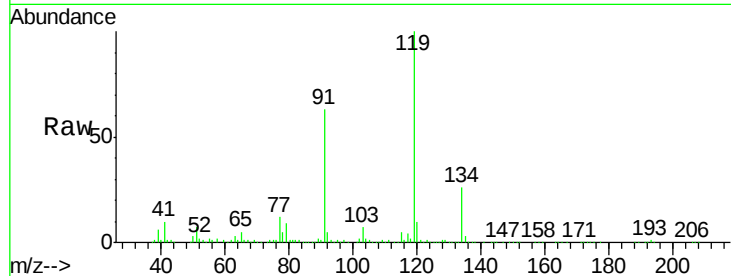
#83
tert-Butylbenzene
Concen: 17.295 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	256638		
91	62.7		31.3	93.8
134	27.6		13.5	40.4

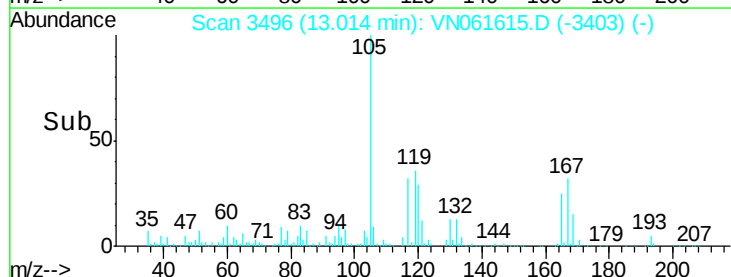
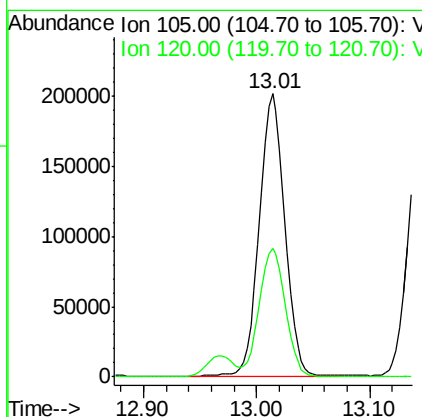
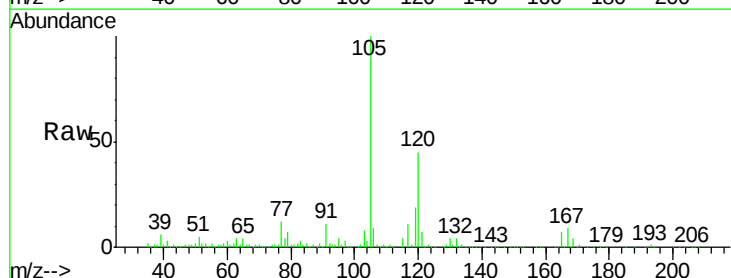
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#84
1,2,4-Trimethylbenzene
Concen: 18.950 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	316162		
120	46.5		23.2	69.5





#85

sec-Butylbenzene

Concen: 16.650 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

ClientSampled :

VN0602WBSD01

Tot Ion:105 Resp: 318367

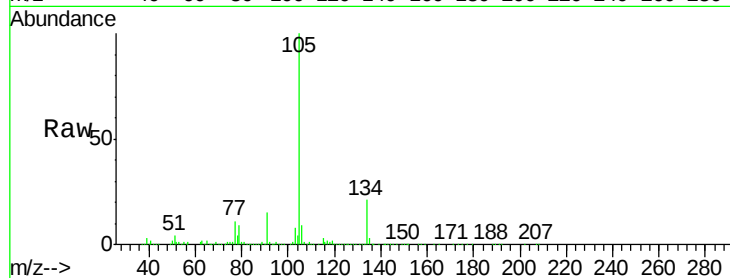
Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

200000

150000

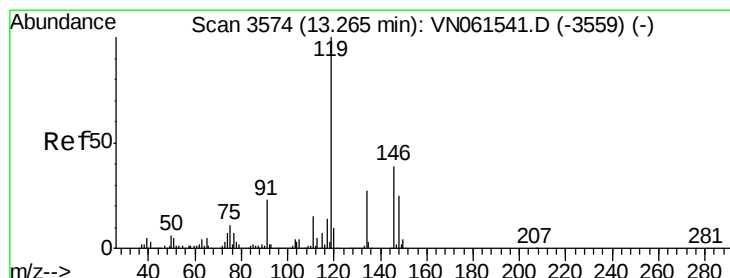
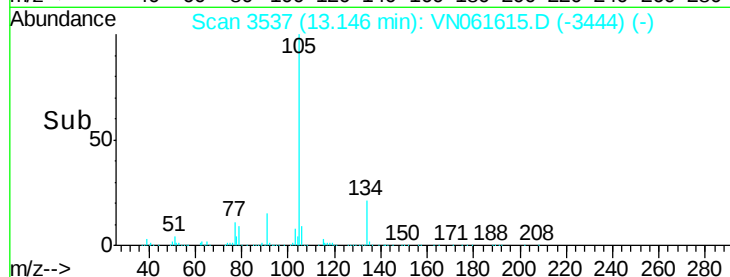
100000

50000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 16.635 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

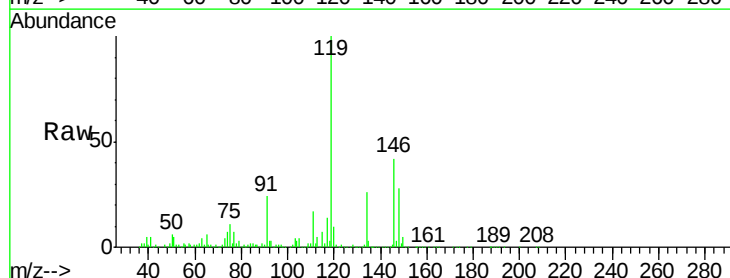
Tgt Ion:119 Resp: 292928

Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.5

91 23.6 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

13.26

250000

200000

150000

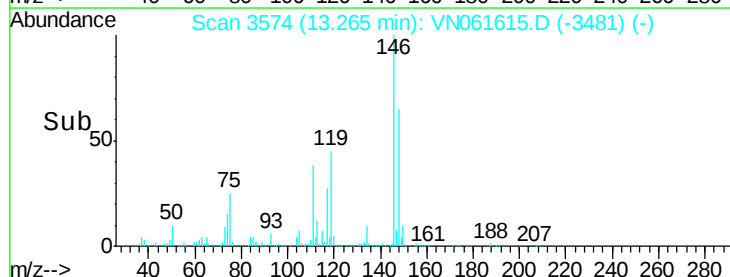
100000

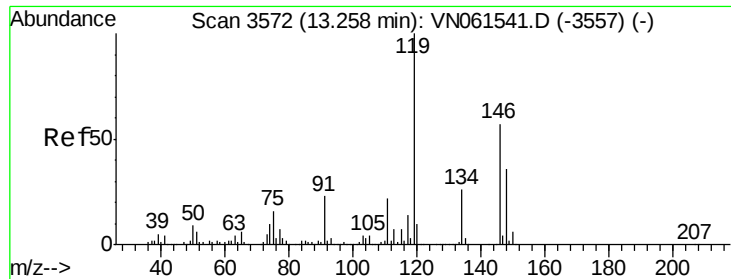
50000

0

13.20 13.25 13.30 13.35

Time-->





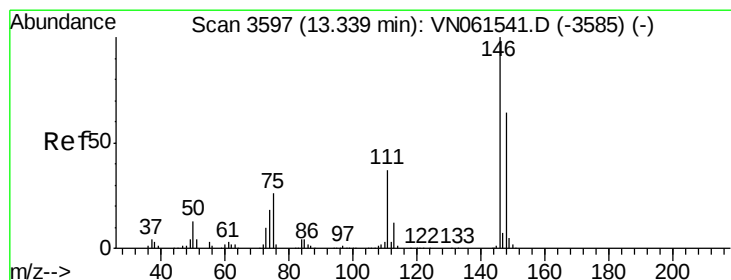
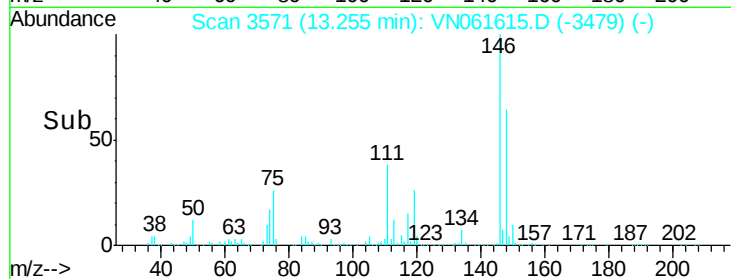
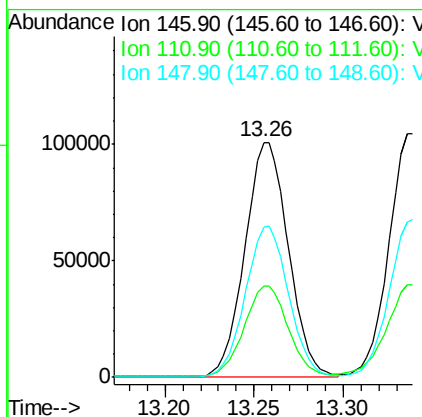
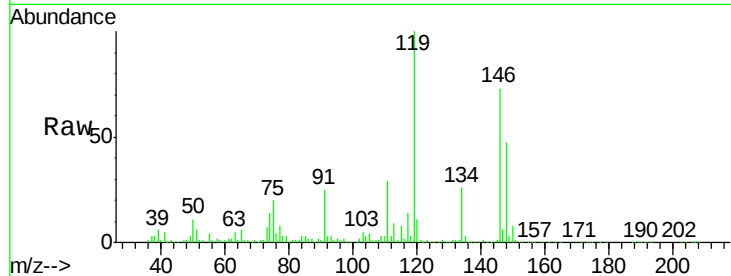
#87
 1,3-Dichlorobenzene
 Concen: 18.968 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.0	31.7	95.1

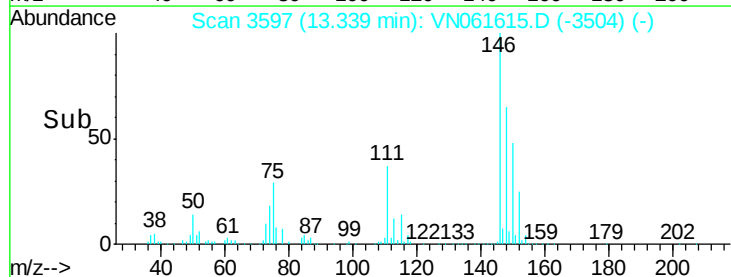
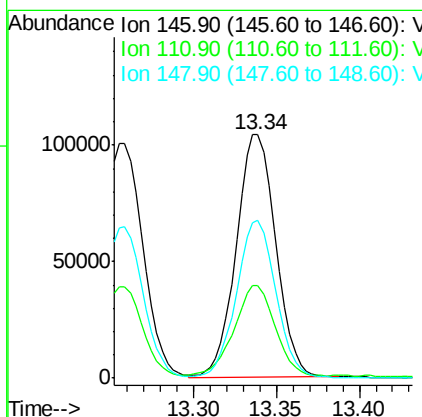
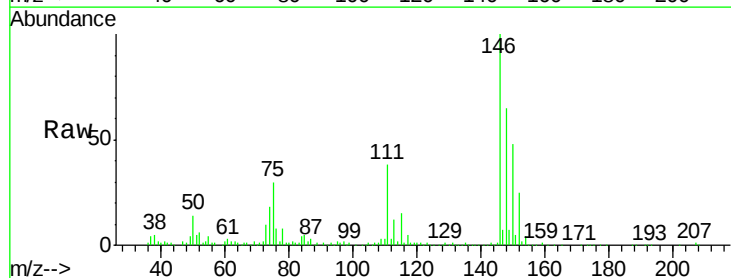
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#88
 1,4-Dichlorobenzene
 Concen: 18.657 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.9
148	65.1	31.8	95.3





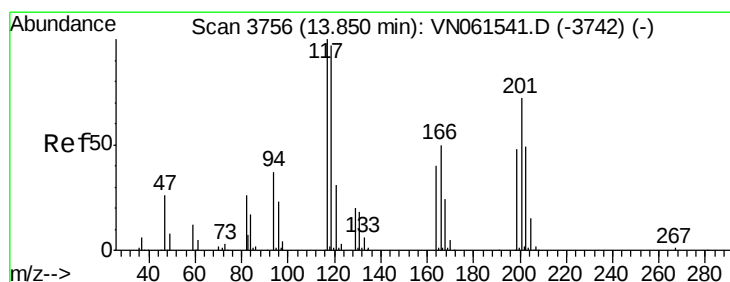
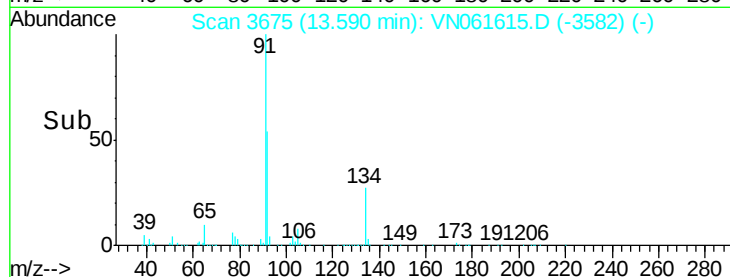
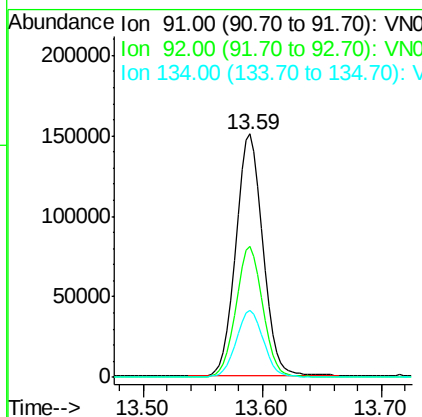
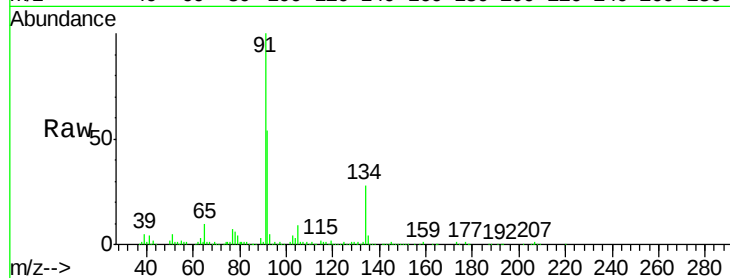
#89
n-Butylbenzene
Concen: 16.087 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampleId :
VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.2	81.6
134	27.9	14.0	42.0

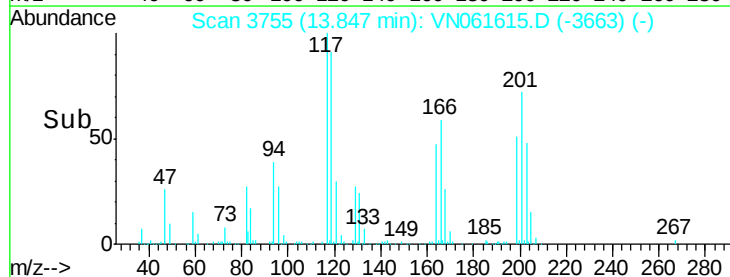
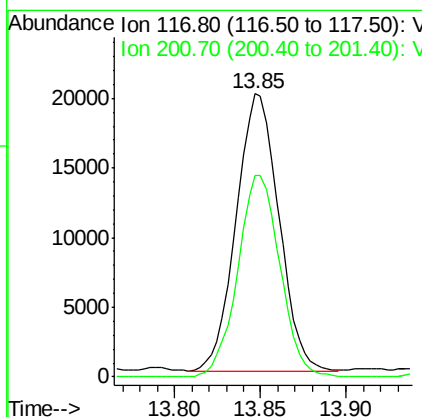
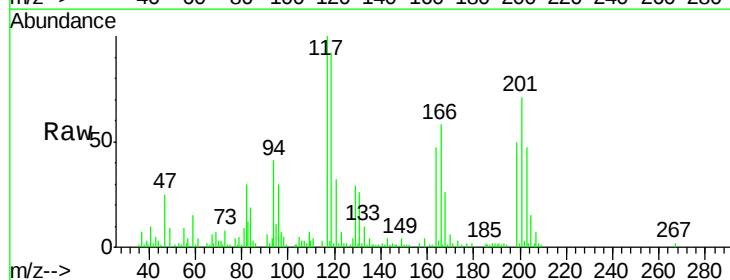
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#90
Hexachloroethane
Concen: 17.681 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	36.7	110.1





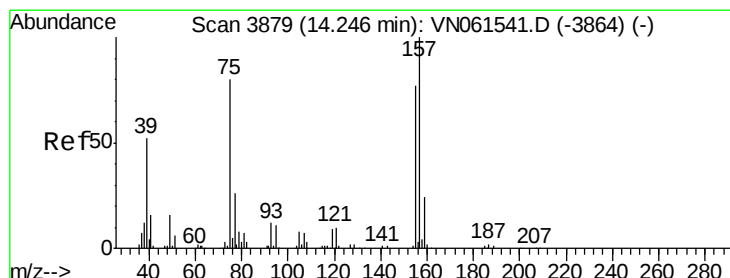
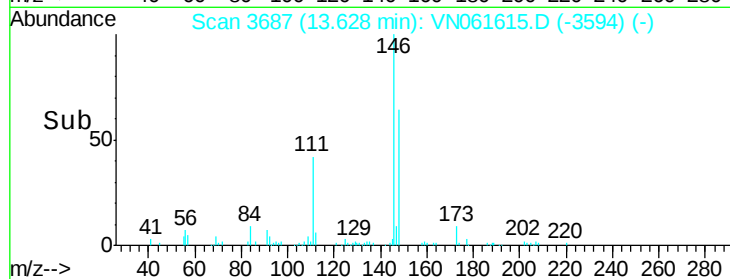
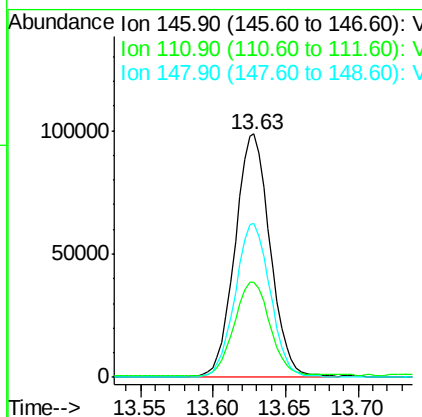
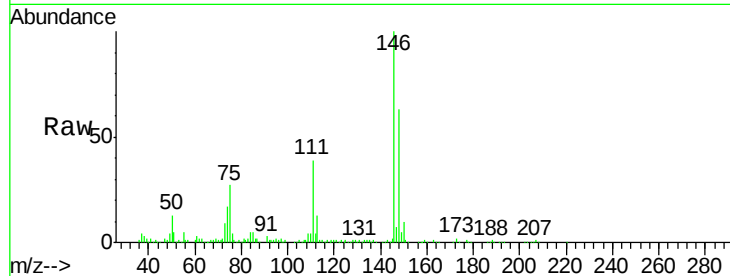
#91
 1,2-Dichlorobenzene
 Concen: 18.993 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.1	60.2
148	64.0	31.9	95.5

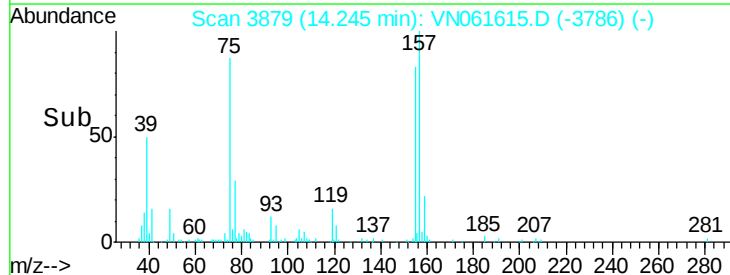
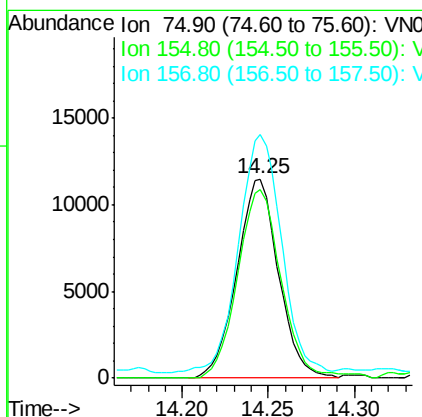
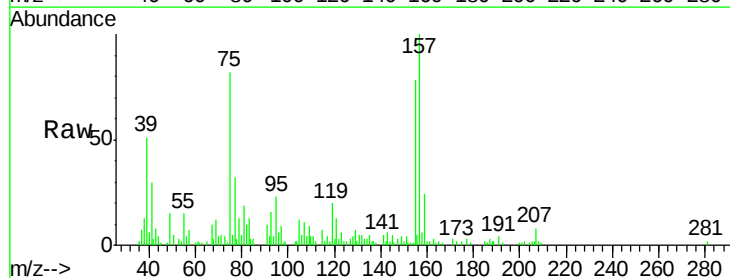
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.891 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN061615.D
 Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	47.1	141.4
157	122.1	60.3	180.8





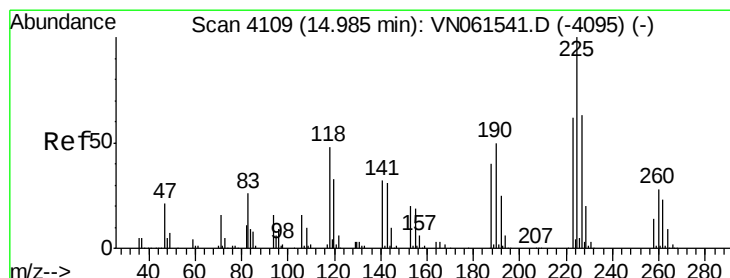
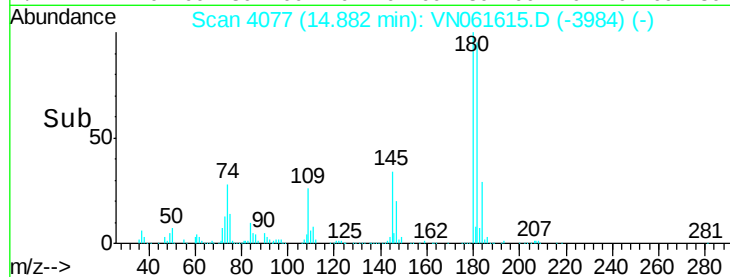
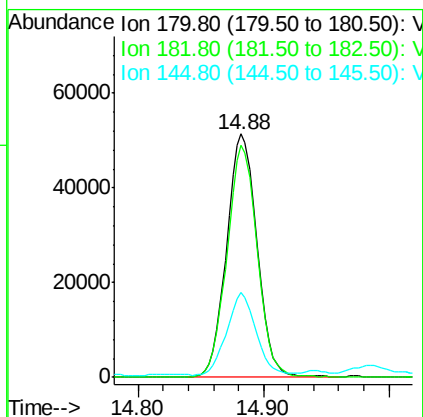
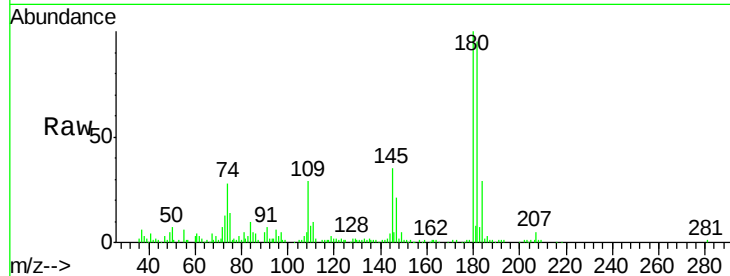
#93
1,2,4-Trichlorobenzene
Concen: 17.049 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Instrument :
MSVOA_N
ClientSampled :
VN0602WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86547		
182	94.6	47.8	143.3	
145	32.0	15.5	46.5	

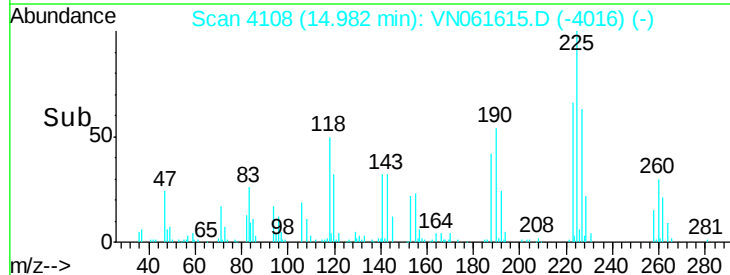
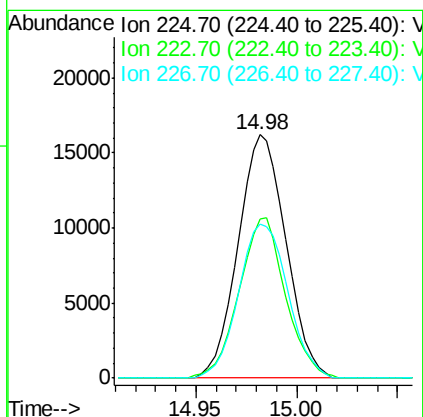
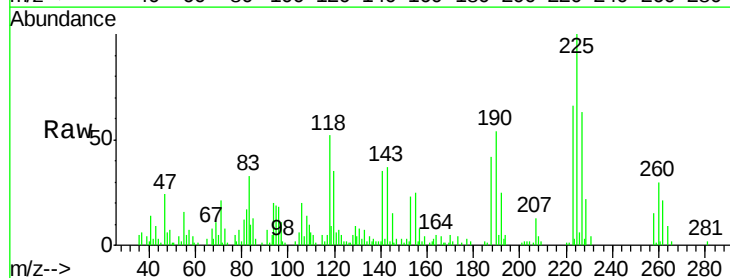
Manual Integrations
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#94
Hexachlorobutadiene
Concen: 12.434 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN061615.D
Acq: 2 Jun 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26919		
223	63.9	31.9	95.5	
227	65.2	31.9	95.9	





#95

Naphthalene

Concen: 18.524 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Instrument :

MSVOA_N

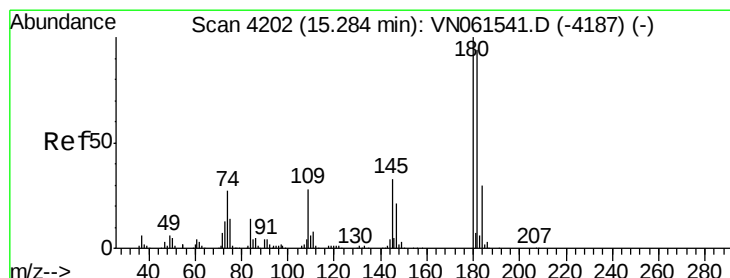
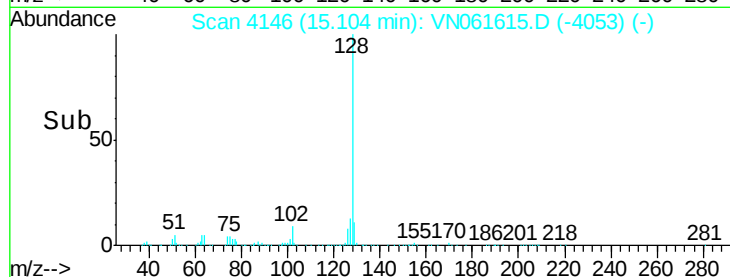
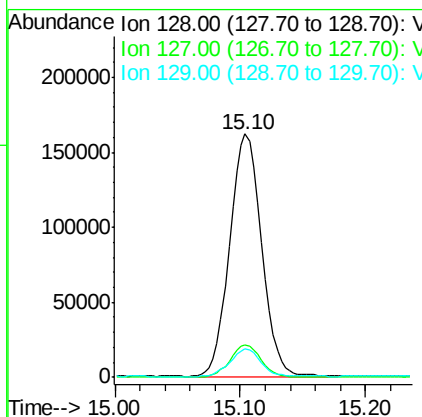
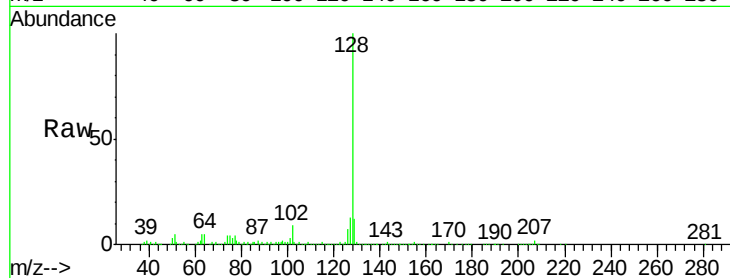
ClientSampled :

VN0602WBSD01

Tot Ion:	128	Resp:	286210
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:32:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.773 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061615.D

Acq: 2 Jun 2020 13:01

Tgt Ion:	180	Resp:	83716
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.1	141.3
145	33.7	16.3	48.9

