

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060520\
 Data File : VN061684.D
 Acq On : 5 Jun 2020 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:49:12 AM

Quant Time: Jun 06 04:32:14 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	337540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	552246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	531477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	278799	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	183323	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	7.55	113	145344	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.06	98	643782	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.38	95	236752	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	162943	41.998	ug/l	99
3) Chloromethane	2.03	50	169282	41.119	ug/l	100
4) Vinyl Chloride	2.16	62	237942	42.176	ug/l	100
5) Bromomethane	2.52	94	144832	44.739	ug/l	99
6) Chloroethane	2.67	64	154873	42.649	ug/l	100
7) Trichlorofluoromethane	2.98	101	323891	44.520	ug/l	98
8) Diethyl Ether	3.37	74	93235	41.911	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	146981	45.528	ug/l	99
10) Methyl Iodide	3.91	142	191509	42.733	ug/l	98
11) Tert butyl alcohol	4.74	59	119446	223.299	ug/l	99
12) 1,1-Dichloroethene	3.69	96	145818	42.277	ug/l	95
13) Acrolein	3.57	56	35148	223.586	ug/l	97
14) Allyl chloride	4.27	41	180209	39.965	ug/l	98
15) Acrylonitrile	4.93	53	317433	212.606	ug/l	99
16) Acetone	3.77	43	232496	208.746	ug/l	98
17) Carbon Disulfide	4.01	76	291804	38.454	ug/l	97
18) Methyl Acetate	4.28	43	152475	41.882	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	494546	42.072	ug/l	98
20) Methylene Chloride	4.50	84	166609	45.421	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	164191	42.212	ug/l	95
22) Diisopropyl ether	5.90	45	421546	42.416	ug/l	99
23) Vinyl Acetate	5.84	43	1559537	196.885	ug/l	97
24) 1,1-Dichloroethane	5.80	63	268811	42.655	ug/l	99
25) 2-Butanone	6.79	43	378496	198.587	ug/l	98
26) 2,2-Dichloropropane	6.77	77	227785	39.491	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	196140	44.532	ug/l	98
28) Bromochloromethane	7.15	49	110695	46.697	ug/l	96
29) Tetrahydrofuran	7.17	42	253664	201.832	ug/l	97
30) Chloroform	7.33	83	308922	44.308	ug/l	99
31) Cyclohexane	7.61	56	228741	40.358	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	279285	43.962	ug/l	100
36) 1,1-Dichloropropene	7.75	75	218177	44.628	ug/l	98
37) Ethyl Acetate	6.88	43	166044	42.169	ug/l	99
38) Carbon Tetrachloride	7.73	117	230943	48.974	ug/l	98

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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)
39) Methylcyclohexane	9.05	83	253820	42.122	ug/l	97
40) Benzene	8.00	78	687977	45.609	ug/l	100
41) Methacrylonitrile	7.13	41	74337	41.205	ug/l	93
42) 1,2-Dichloroethane	8.09	62	221159	43.794	ug/l	99
43) Isopropyl Acetate	8.13	43	289366	40.847	ug/l #	91
44) Trichloroethene	8.80	130	210473	45.402	ug/l	95
45) 1,2-Dichloropropane	9.09	63	163585	45.671	ug/l	98
46) Dibromomethane	9.18	93	123826	45.076	ug/l	96
47) Bromodichloromethane	9.37	83	252071	46.315	ug/l	99
48) Methyl methacrylate	9.17	41	127265	39.929	ug/l	97
49) 1,4-Dioxane	9.17	88	56676	1147.830	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	843527	211.297	ug/l	97
52) Toluene	10.12	92	461910	46.917	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	261485	44.599	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	282573	44.824	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	182333	46.485	ug/l	98
56) Ethyl methacrylate	10.40	69	248880	45.422	ug/l	97
57) 1,3-Dichloropropane	10.68	76	288672	46.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	514127	219.569	ug/l	99
59) 2-Hexanone	10.72	43	605590	211.225	ug/l	97
60) Dibromochloromethane	10.87	129	215072	48.231	ug/l	100
61) 1,2-Dibromoethane	10.98	107	195396	47.764	ug/l	98
64) Tetrachloroethene	10.60	164	223556	44.685	ug/l	98
65) Chlorobenzene	11.41	112	514315	46.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	194194	47.209	ug/l	99
67) Ethyl Benzene	11.48	91	887129	46.460	ug/l	99
68) m/p-Xylenes	11.60	106	703941	92.979	ug/l	99
69) o-Xylene	11.92	106	337559	46.942	ug/l	99
70) Styrene	11.94	104	571352	47.979	ug/l	99
71) Bromoform	12.10	173	151555	47.813	ug/l #	100
73) Isopropylbenzene	12.22	105	897350	44.099	ug/l	100
74) N-amyl acetate	12.05	43	252810	39.451	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	236075	41.400	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	206058m	40.645	ug/l	
77) Bromobenzene	12.50	156	237998	45.820	ug/l	96
78) n-propylbenzene	12.57	91	1000946	44.062	ug/l	100
79) 2-Chlorotoluene	12.65	91	583849	43.102	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	749557	44.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	74764	37.713	ug/l	99
82) 4-Chlorotoluene	12.75	91	616632	43.272	ug/l	99
83) tert-Butylbenzene	12.97	119	645428	42.951	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	748515	44.301	ug/l	98
85) sec-Butylbenzene	13.15	105	828547	42.789	ug/l	100
86) p-Isopropyltoluene	13.26	119	776305	43.533	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	421560	45.832	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	426970	45.567	ug/l	99
89) n-Butylbenzene	13.59	91	622258	41.661	ug/l	100
90) Hexachloroethane	13.85	117	112504	57.048	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	403381	45.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42819	36.819	ug/l	93

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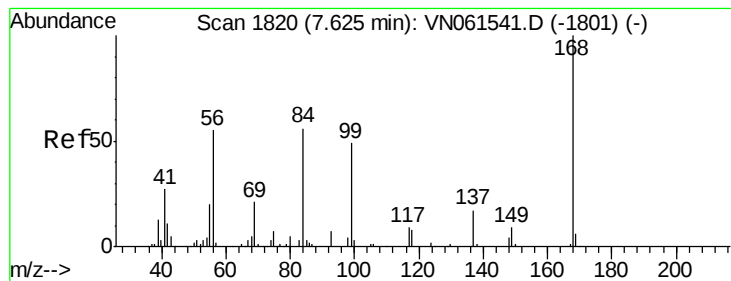
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	228378	44.425	ug/l	98
94) Hexachlorobutadiene	14.99	225	91119	41.560	ug/l	97
95) Naphthalene	15.10	128	664185	42.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	226655	44.843	ug/l	100

(#) = 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: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

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VSTDCCC050EC

Tot Ion:168 Resp: 337540

Ion Ratio Lower Upper

168 100

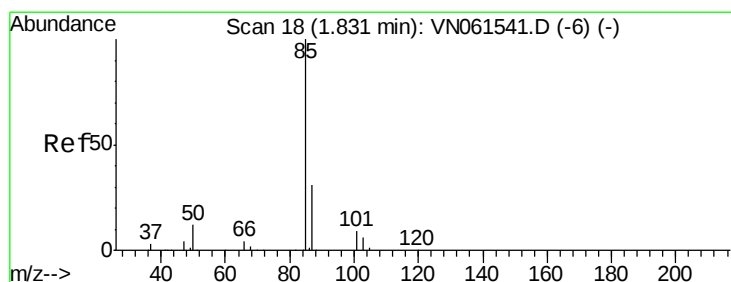
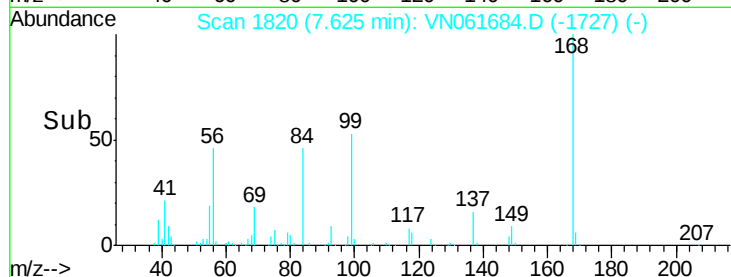
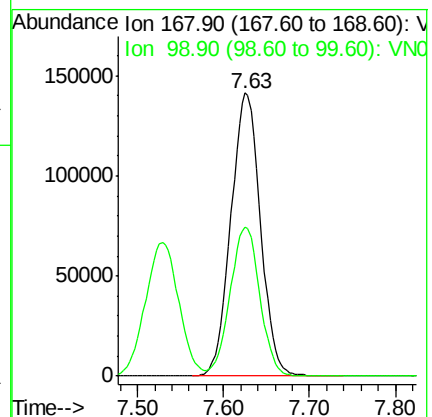
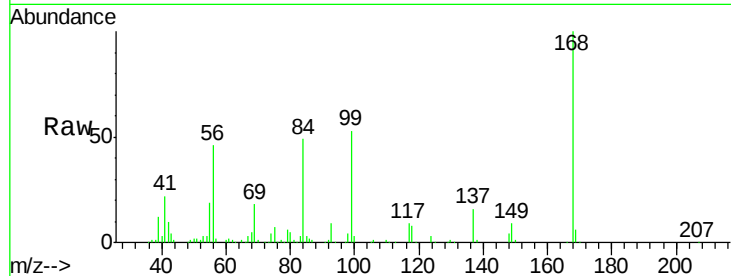
99 52.4 45.0 67.4

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#2

Dichlorodifluoromethane

Concen: 41.998 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061684.D

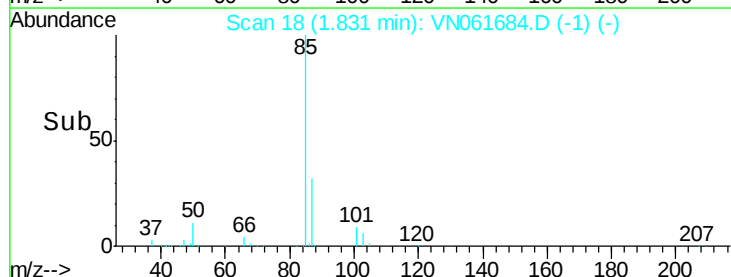
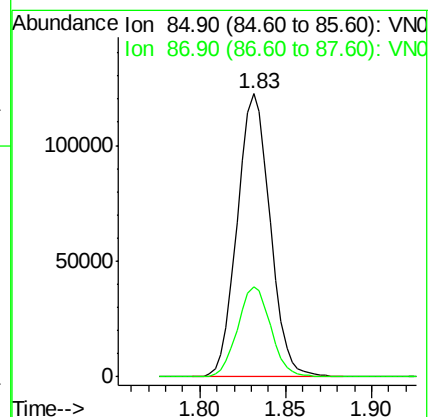
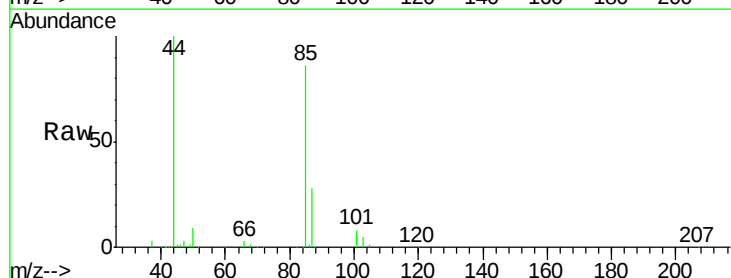
Acq: 5 Jun 2020 20:58

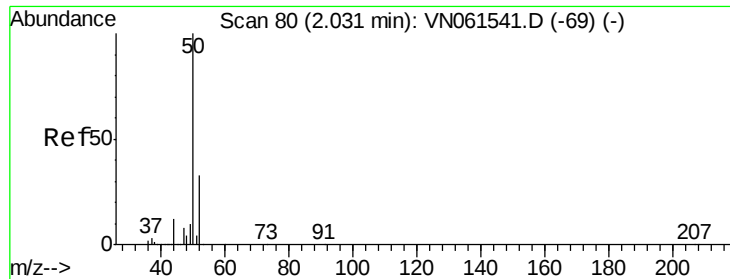
Tgt Ion: 85 Resp: 162943

Ion Ratio Lower Upper

85 100

87 32.0 15.6 46.8





#3

Chloromethane

Concen: 41.119 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 169282

Ion Ratio Lower Upper

50 100

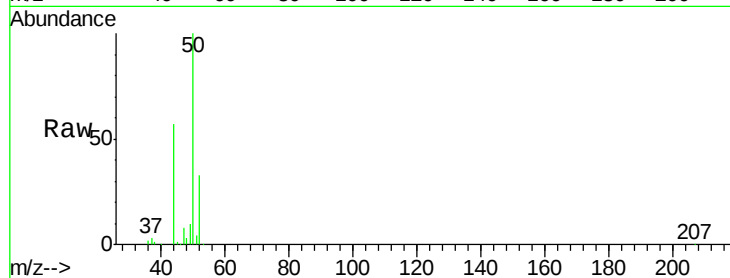
52 33.3 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

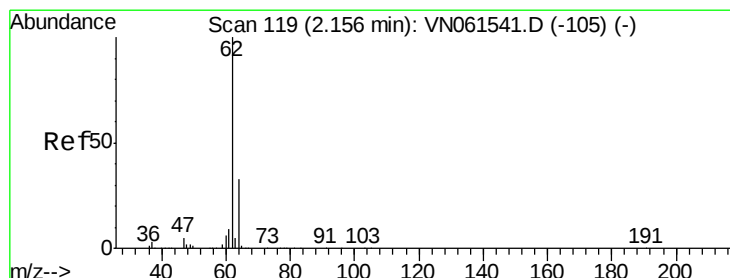
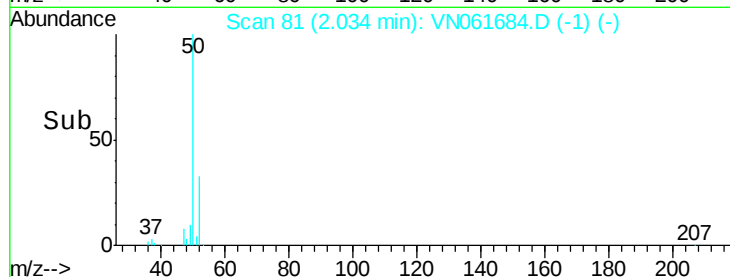
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 42.176 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061684.D

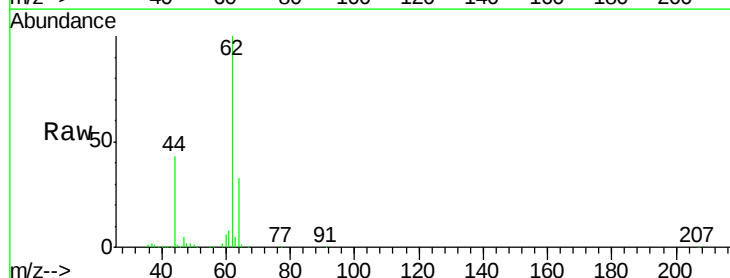
Acq: 5 Jun 2020 20:58

Tgt Ion: 62 Resp: 237942

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

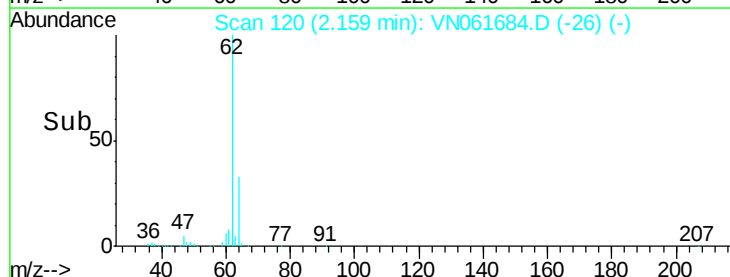
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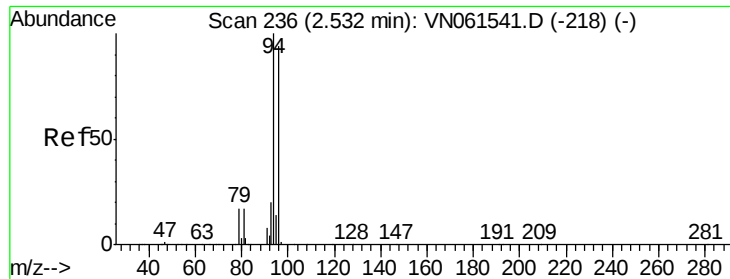
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 44.739 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

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Tot Ion: 94 Resp: 144832

Ion Ratio Lower Upper

94 100

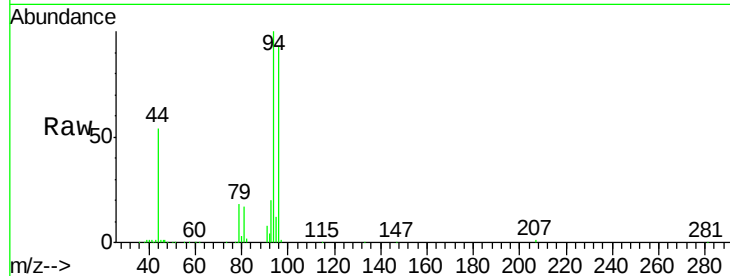
96 92.6 74.8 112.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

80000

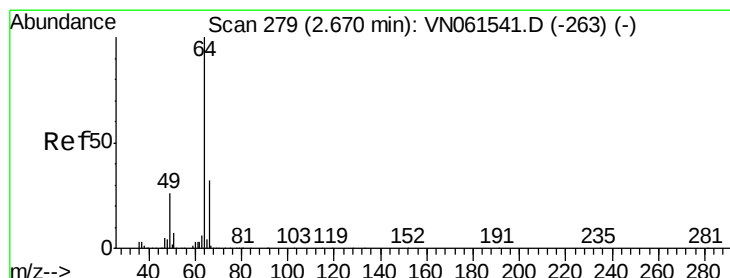
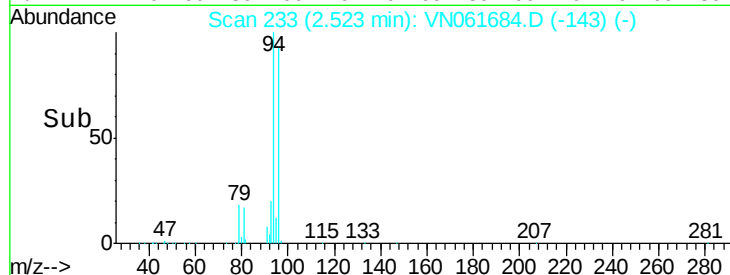
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 42.649 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN061684.D

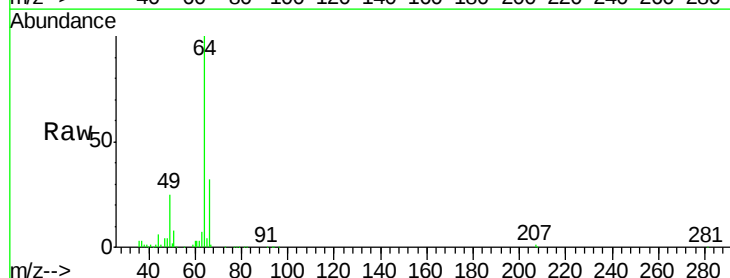
Acq: 5 Jun 2020 20:58

Tgt Ion: 64 Resp: 154873

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

80000

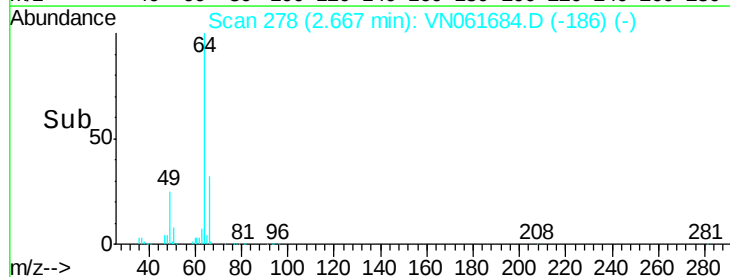
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40000

20000

0

Time-->





#7

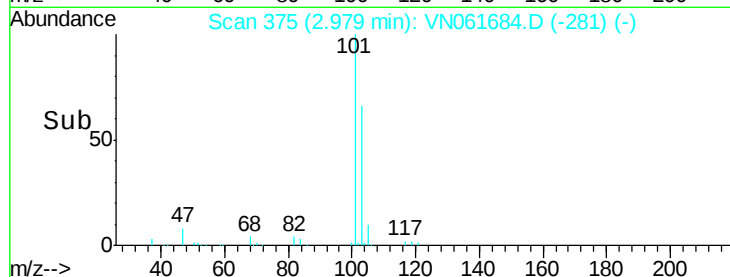
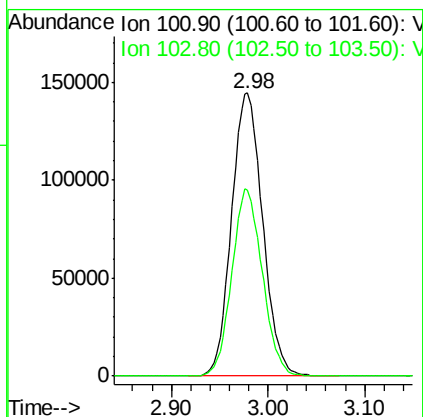
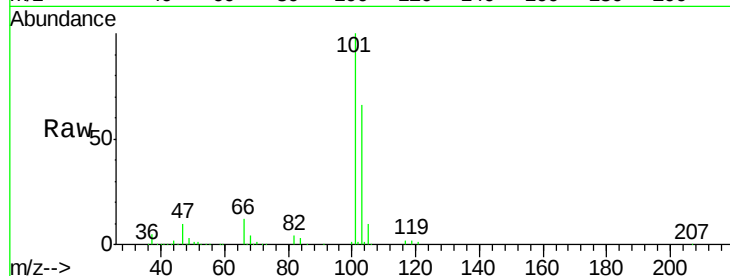
Trichlorofluoromethane
 Concen: 44.520 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061684.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.4	77.2

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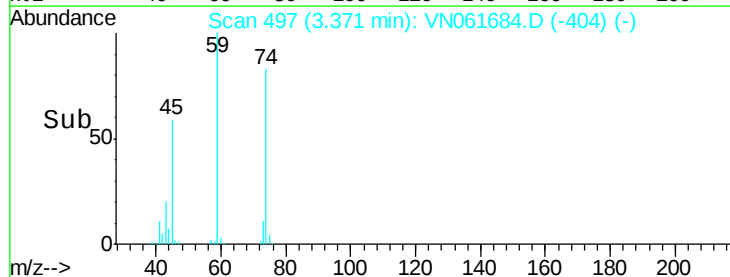
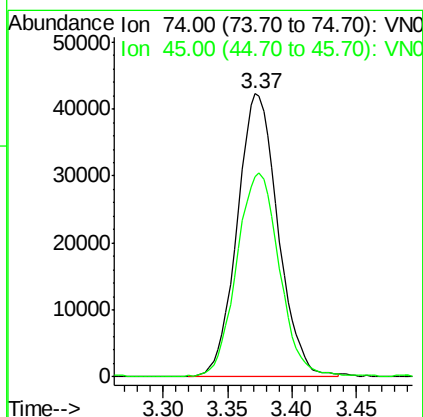
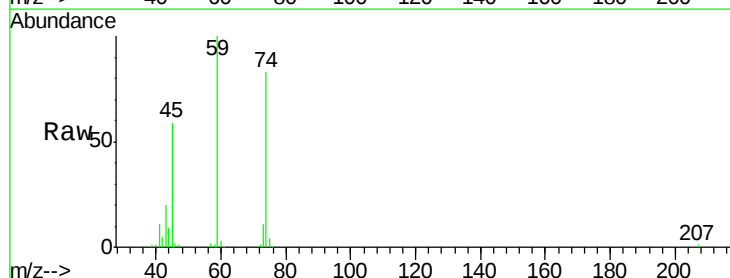
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 6/8/2020 11:49:12 AM



#8

Diethyl Ether
 Concen: 41.911 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.6	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.528 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

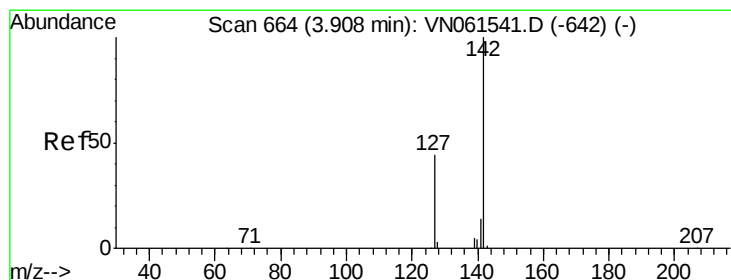
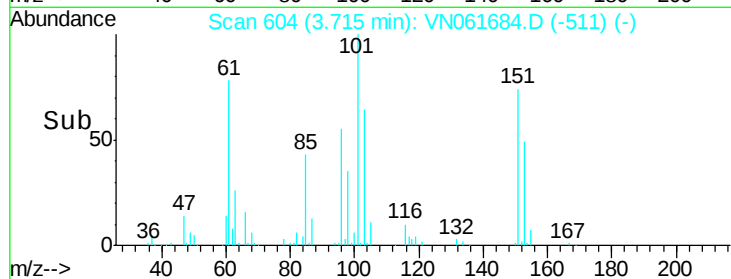
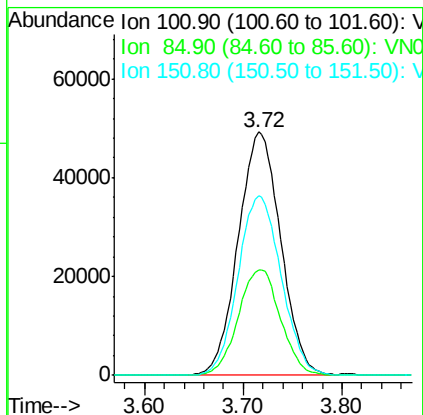
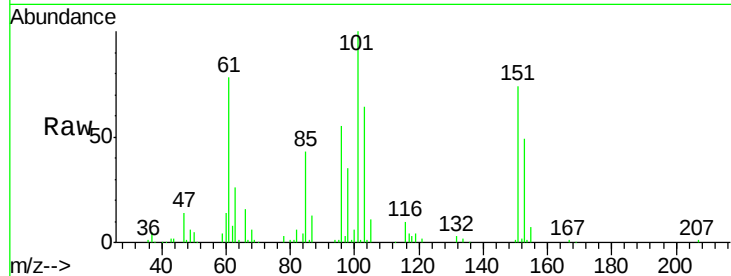
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	146981
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.2	52.8
151	75.1	61.0	91.6

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#10

Methyl Iodide

Concen: 42.733 ug/l

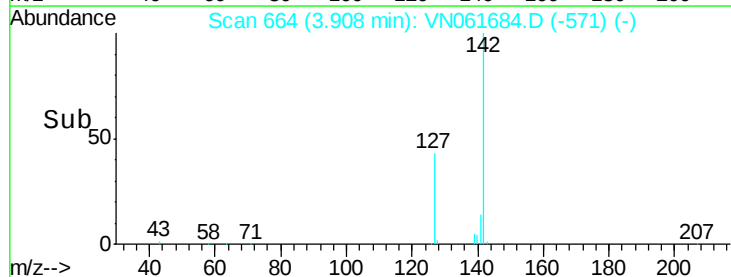
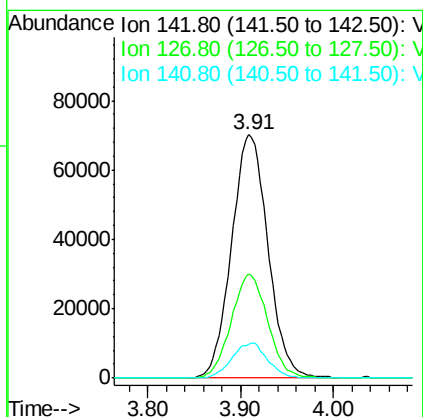
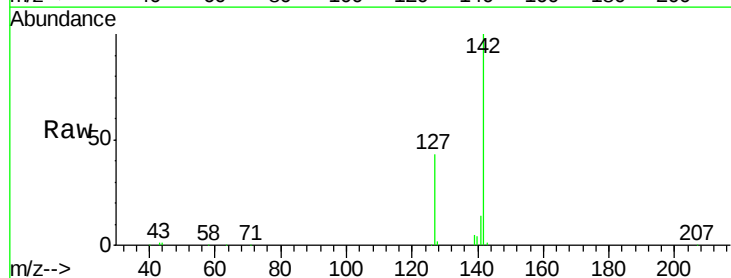
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion:	142	Resp:	191509
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.5	53.3
141	14.1	11.5	17.3





#11

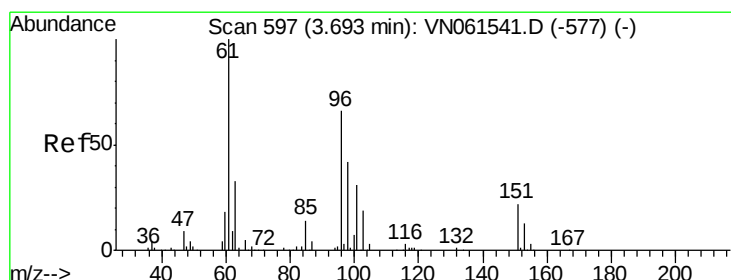
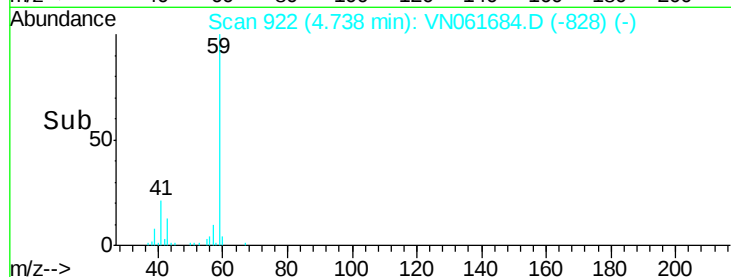
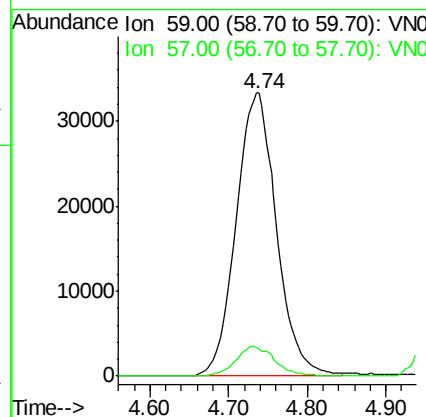
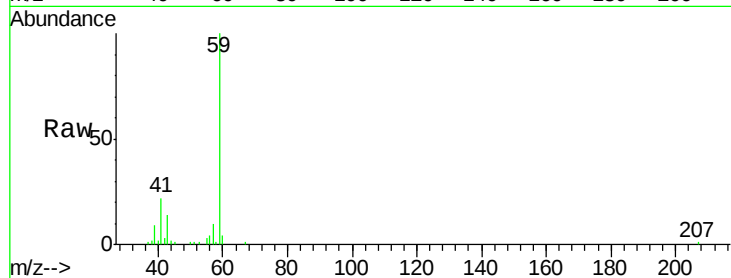
Tert butyl alcohol
Concen: 223.299 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	119446
Ion Ratio	100	Lower	Upper
57	10.2	8.4	12.6

Manual Integrations
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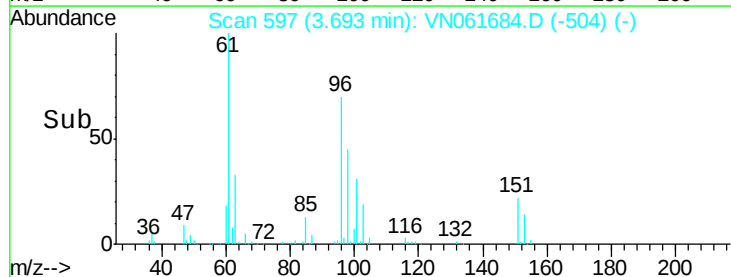
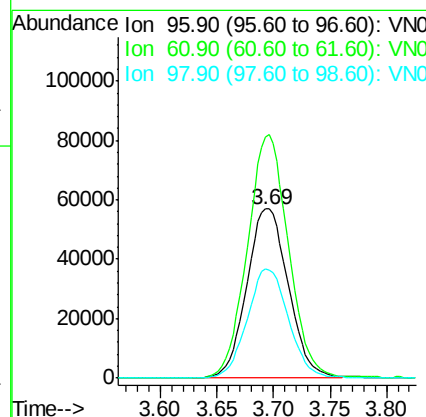
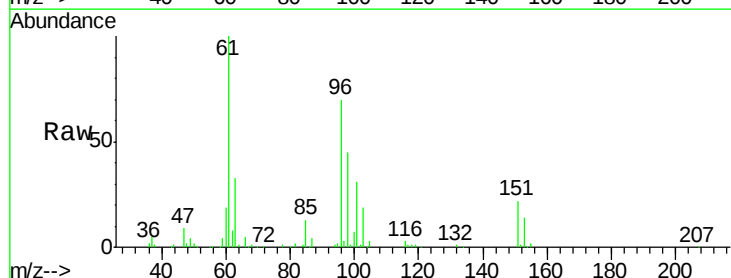
MMDadoda
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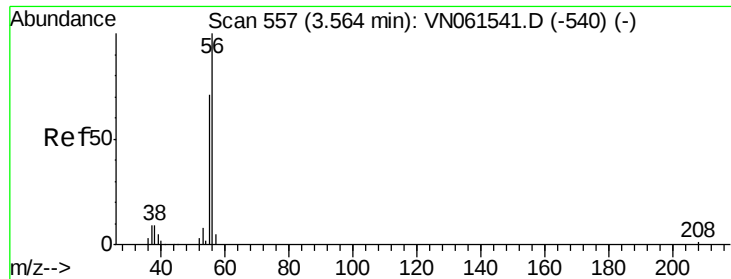


#12

1,1-Dichloroethene
Concen: 42.277 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	96	Resp	145818
Ion Ratio	100	Lower	Upper
61	142.6	120.5	180.7
98	64.7	50.8	76.2





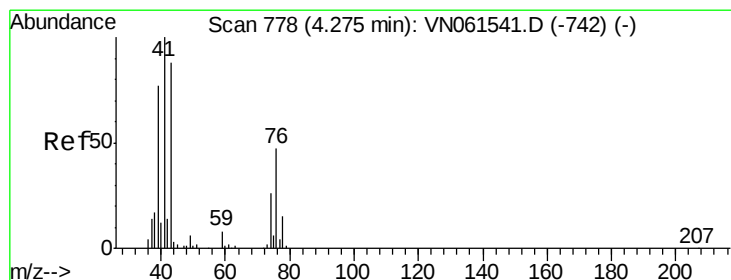
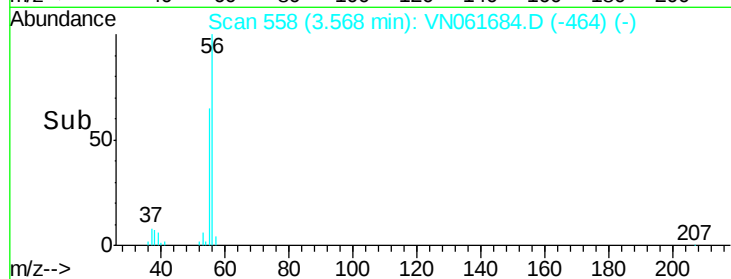
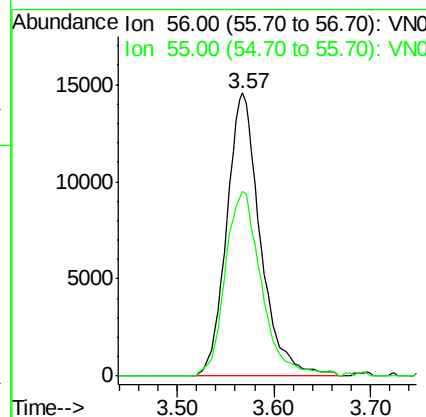
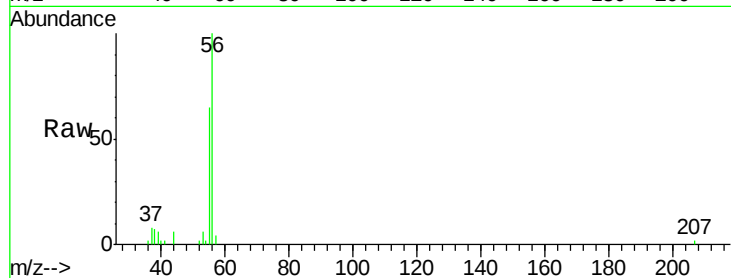
#13
Acrolein
Concen: 223.586 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	35148
Ion Ratio	100	Lower	Upper
56	100		
55	69.8	58.0	87.0

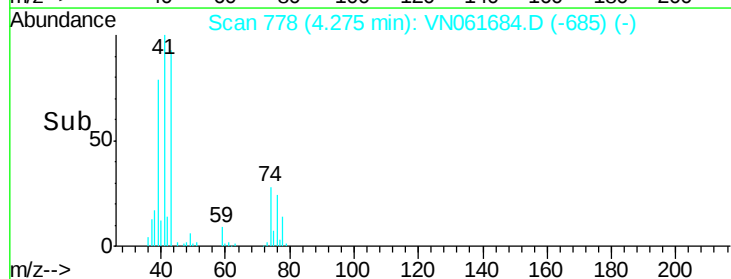
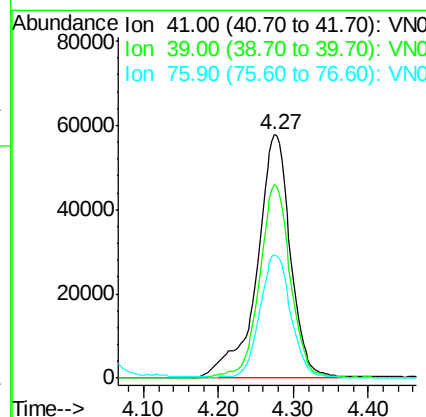
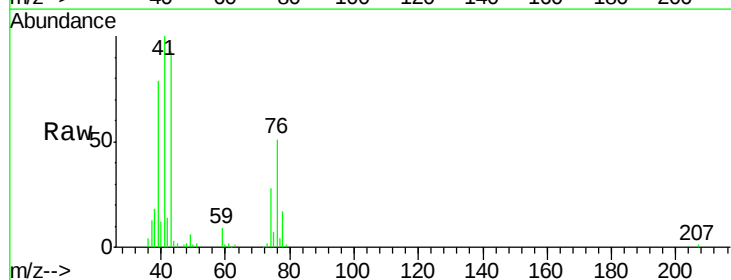
Manual Integrations
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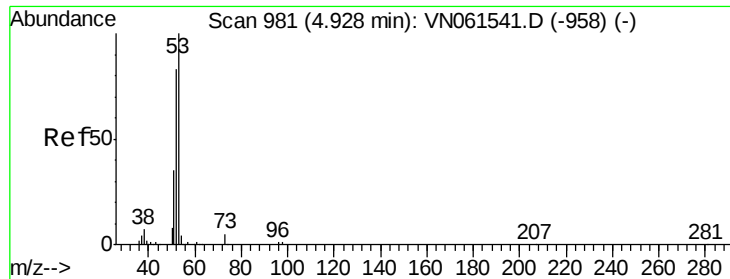
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#14
Allyl chloride
Concen: 39.965 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	41	Resp	180209
Ion Ratio	100	Lower	Upper
41	100		
39	73.1	58.6	88.0
76	45.9	34.2	51.4





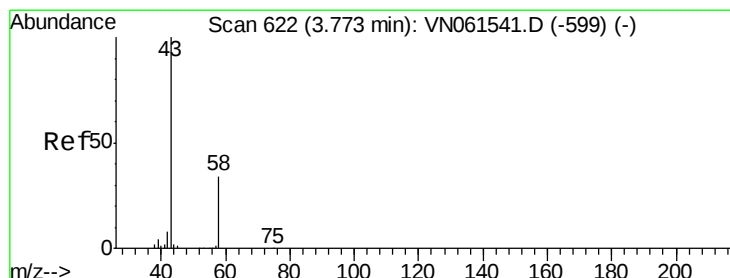
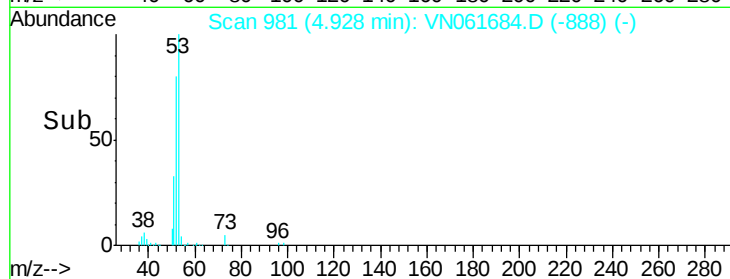
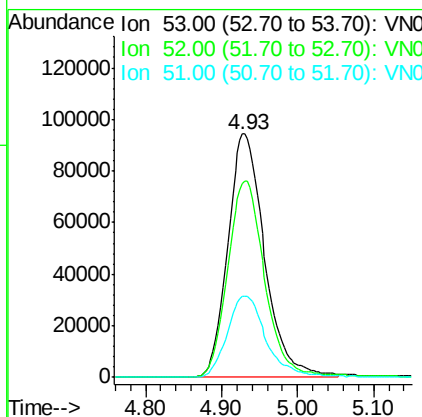
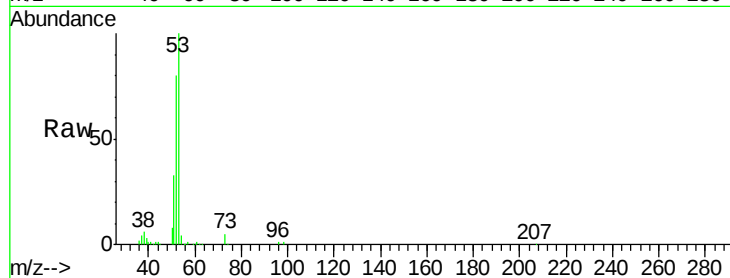
#15
 Acrylonitrile
 Concen: 212.606 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	317433
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.4	98.2
51	35.3	29.0	43.6

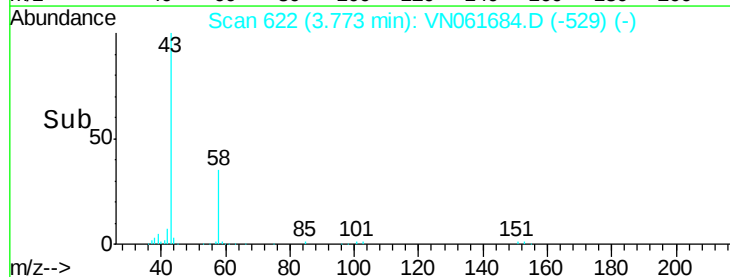
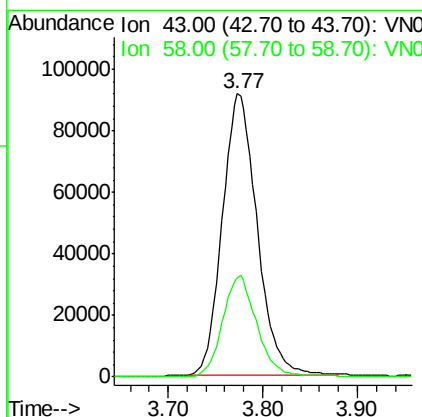
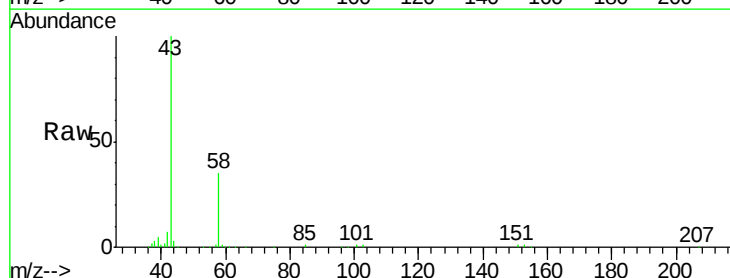
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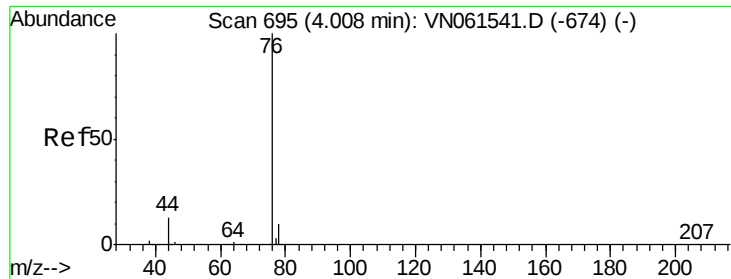
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#16
 Acetone
 Concen: 208.746 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion:	43	Resp:	232496
Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.2	40.8





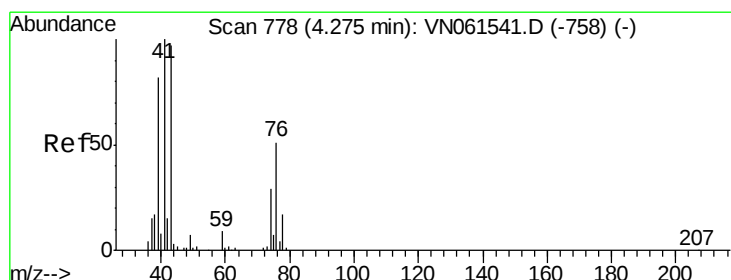
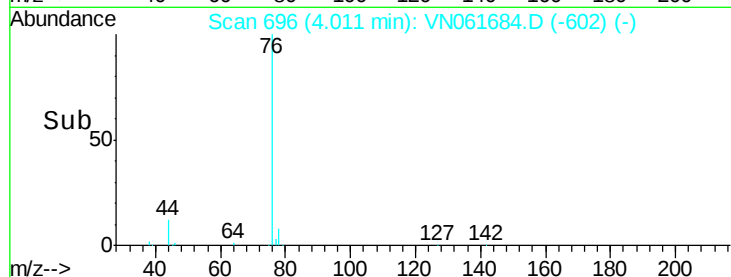
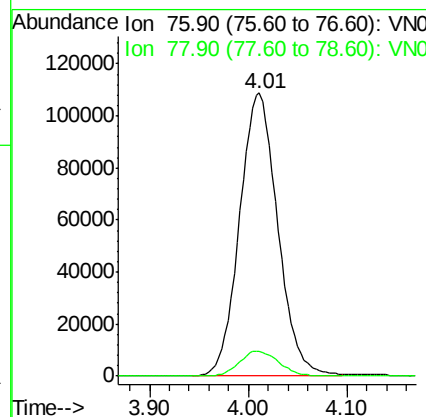
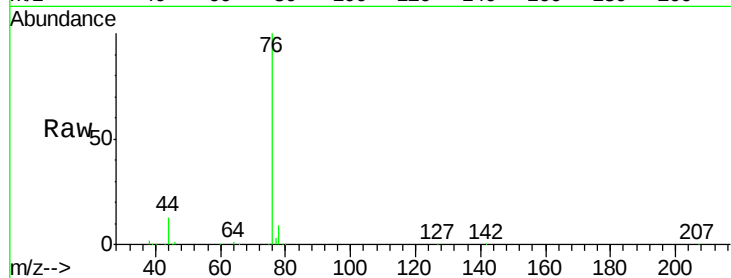
#17
Carbon Disulfide
Concen: 38.454 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.8	11.6

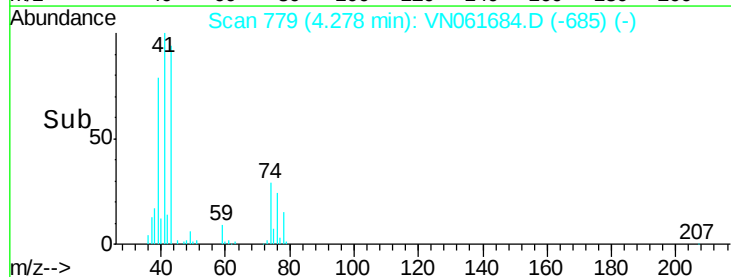
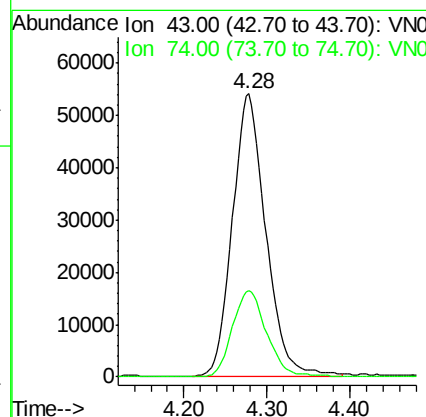
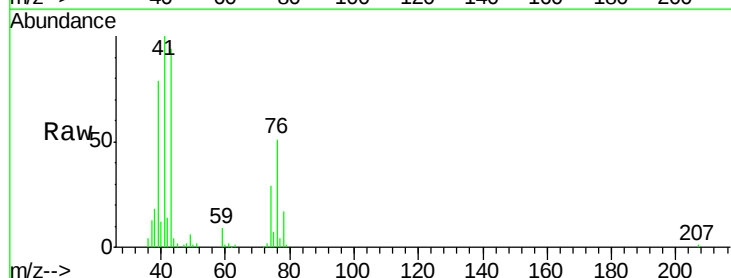
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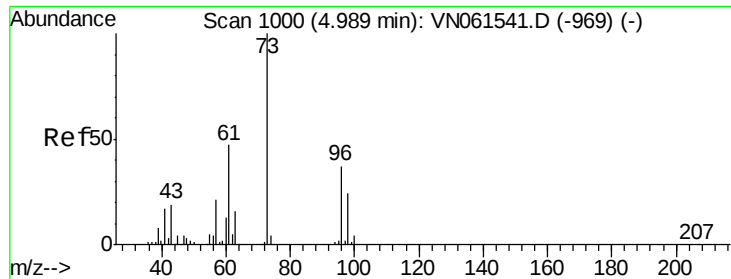
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#18
Methyl Acetate
Concen: 41.882 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.1	23.2	34.8





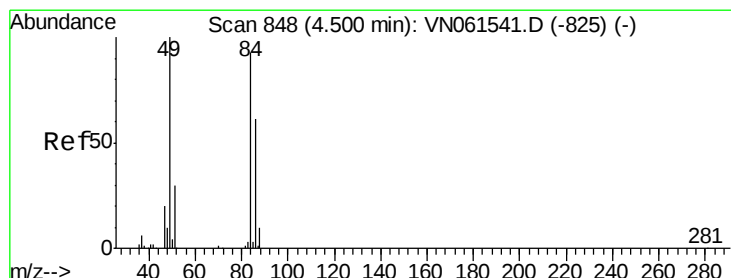
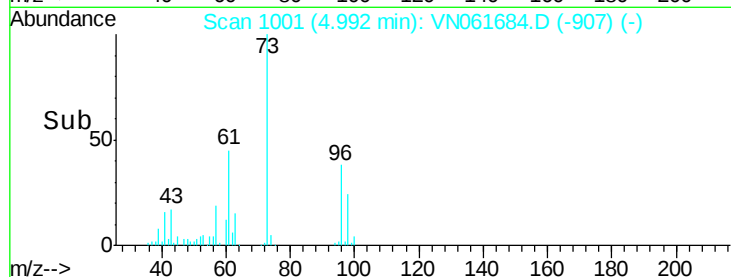
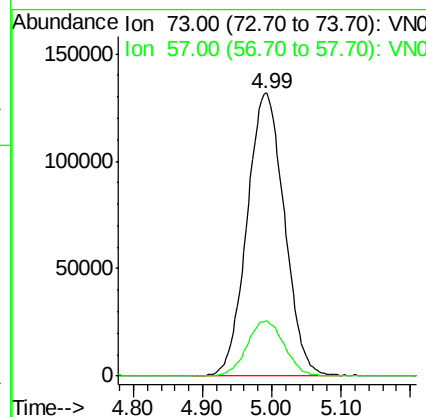
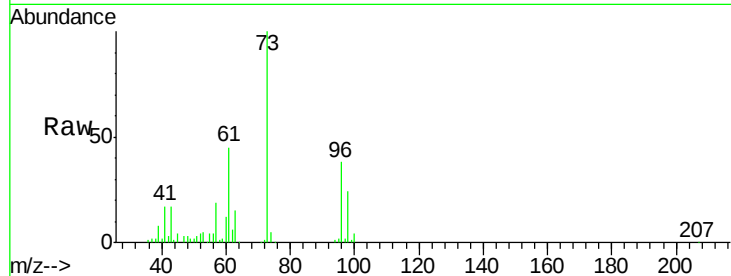
#19
Methvl tert-butvl Ether
Concen: 42.072 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 494546
Ion Ratio Lower Upper
73 100
57 19.4 16.4 24.6

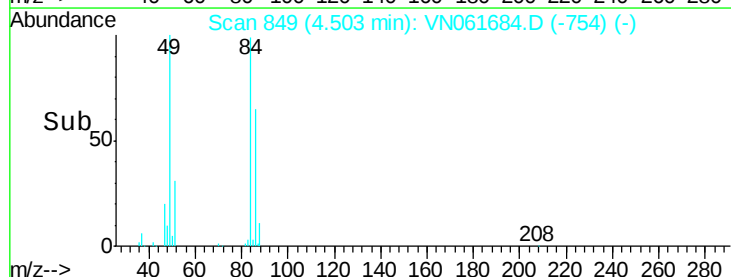
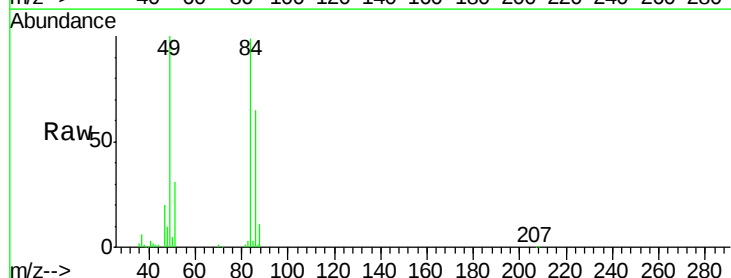
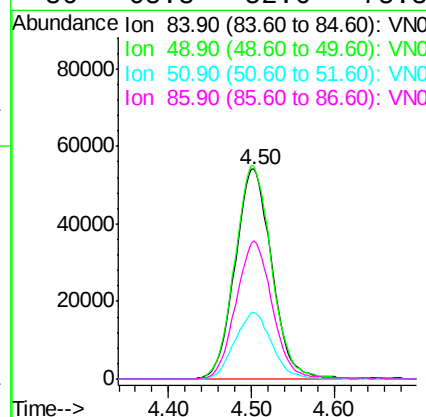
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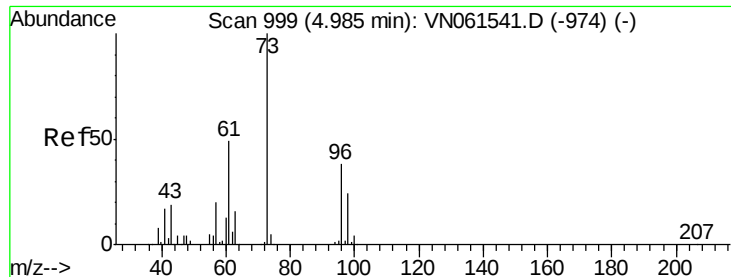
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#20
Methylene Chloride
Concen: 45.421 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 84 Resp: 166609
Ion Ratio Lower Upper
84 100
49 101.3 85.8 128.8
51 31.9 26.2 39.2
86 65.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 42.212 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

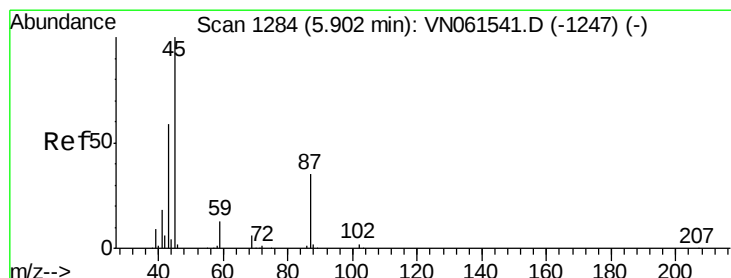
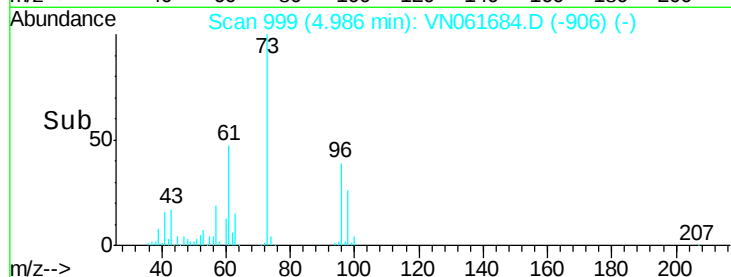
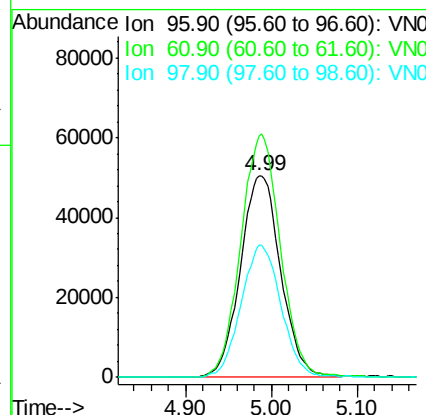
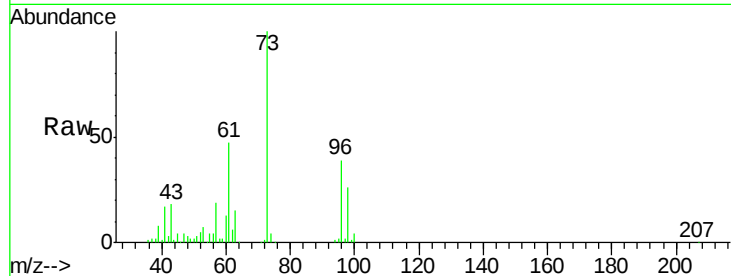
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	164191
Ion	Ratio	Lower	Upper
96	100		
61	119.7	101.4	152.0
98	65.9	50.6	76.0

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#22

Diisopropyl ether

Concen: 42.416 ug/l

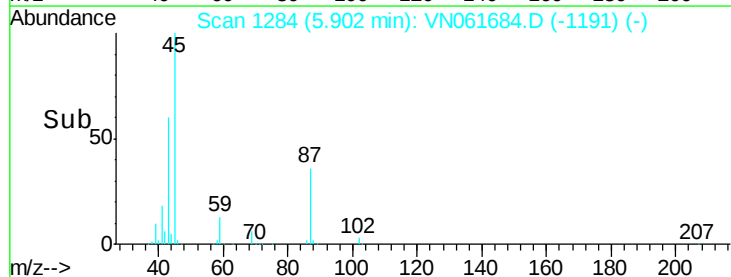
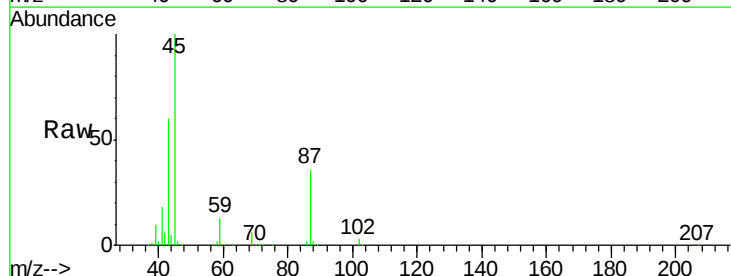
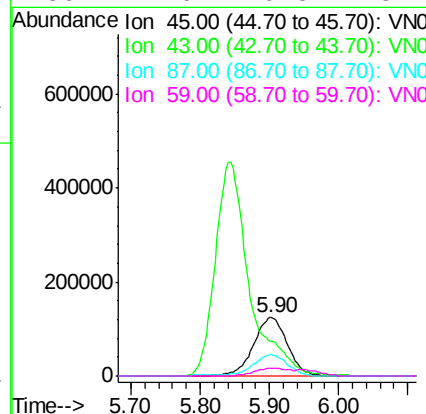
RT: 5.90 min Scan# 1284

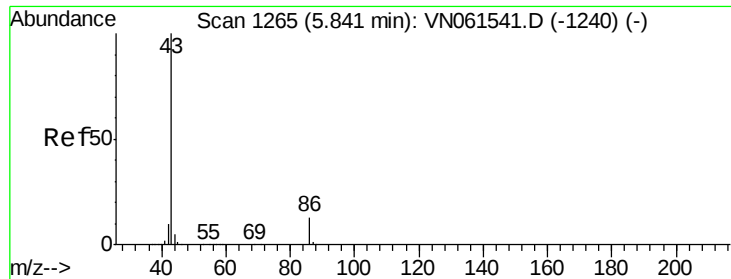
Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion:	45	Resp:	421546
Ion	Ratio	Lower	Upper
45	100		
43	58.8	47.9	71.9
87	36.2	28.4	42.6
59	12.6	10.5	15.7





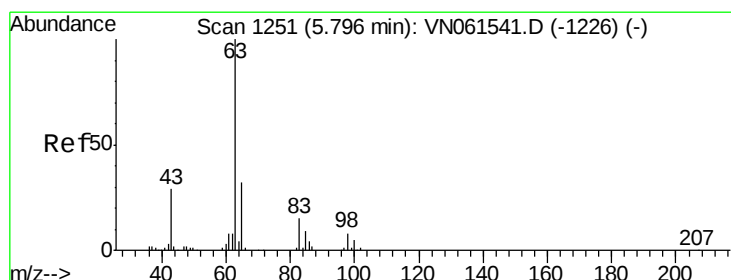
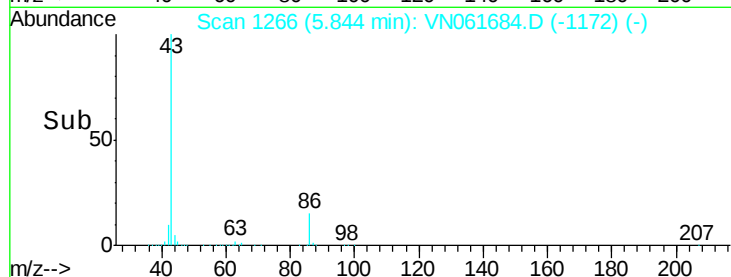
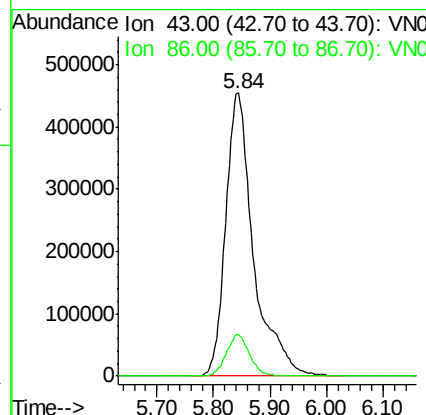
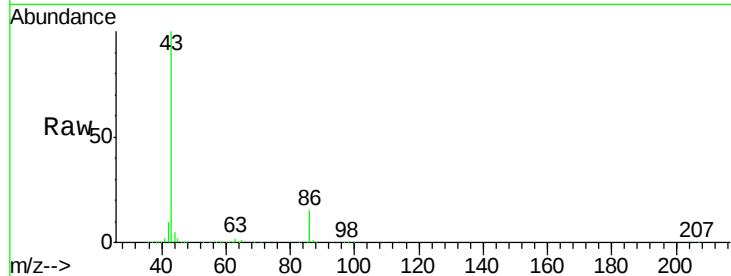
#23
 Vinyl Acetate
 Concen: 196.885 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1559537
 Ion Ratio Lower Upper
 43 100
 86 14.5 10.6 16.0

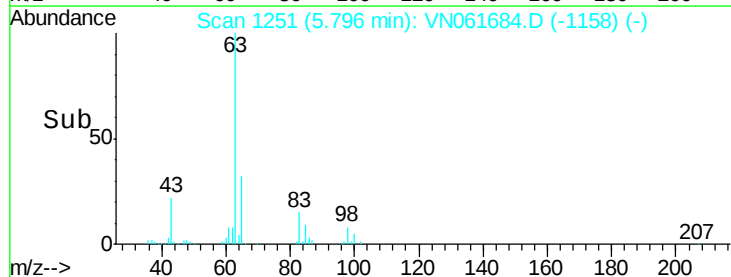
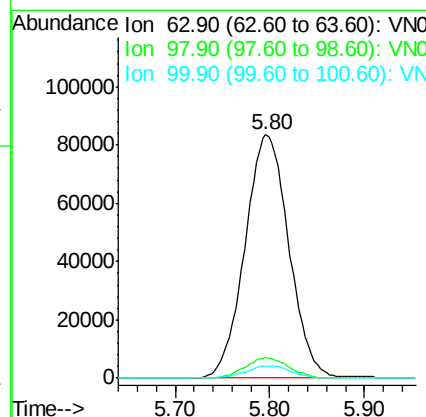
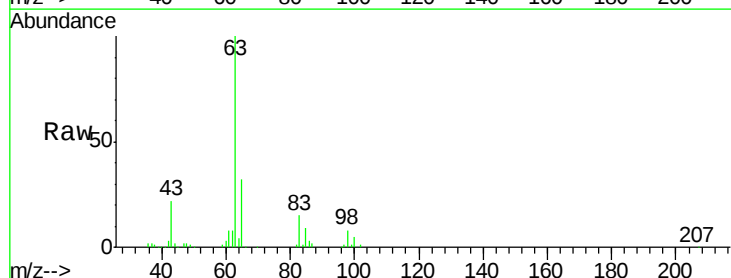
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#24
 1,1-Dichloroethane
 Concen: 42.655 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion: 63 Resp: 268811
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.8 11.4
 100 5.1 2.5 7.6





#25

2-Butanone

Concen: 198.587 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 378496

Ion Ratio Lower Upper

43 100

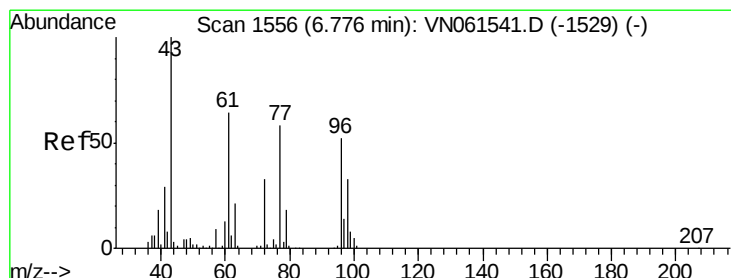
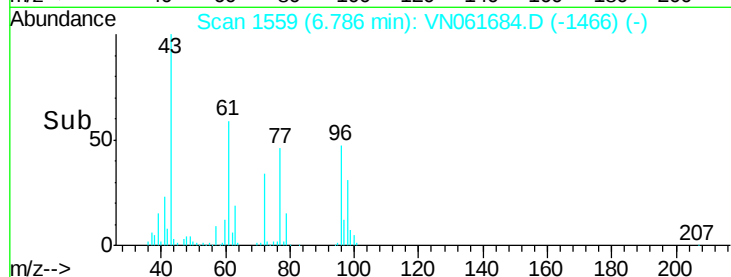
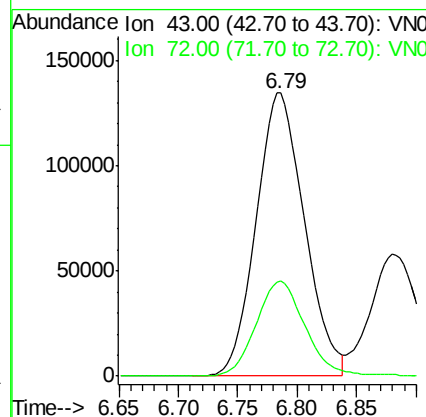
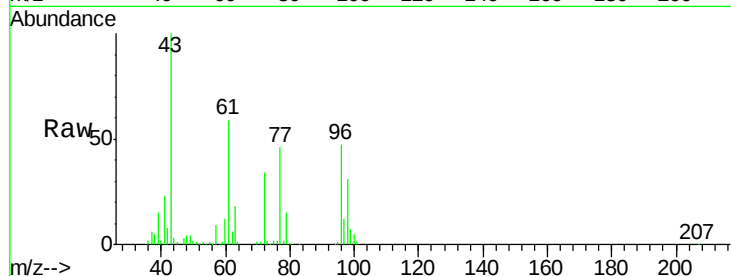
72 33.7 26.0 39.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 39.491 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061684.D

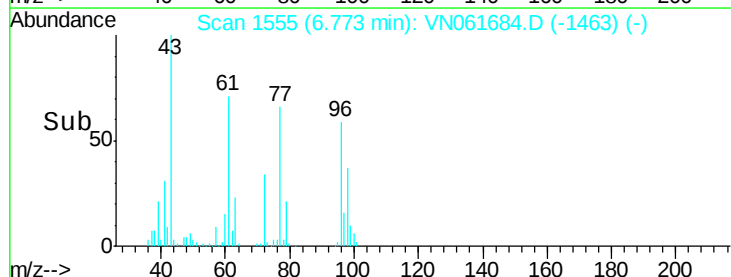
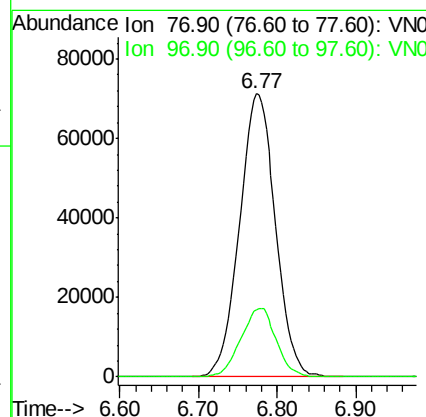
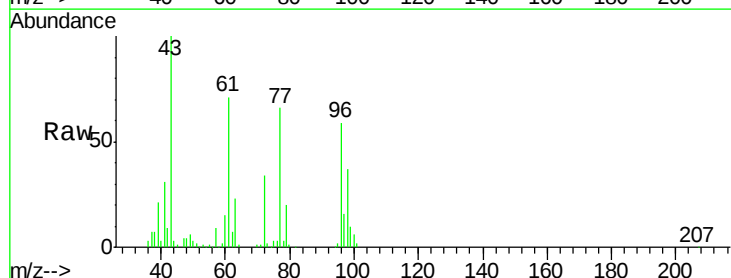
Acq: 5 Jun 2020 20:58

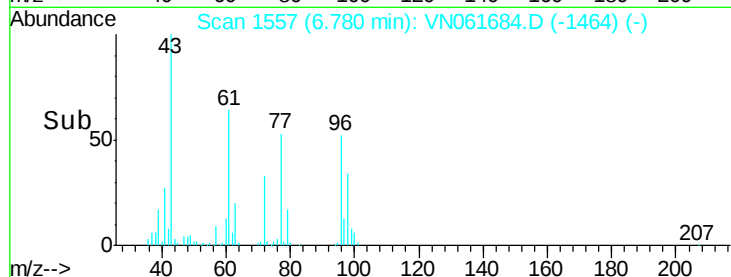
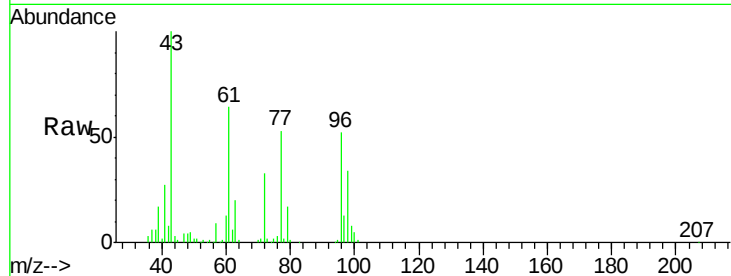
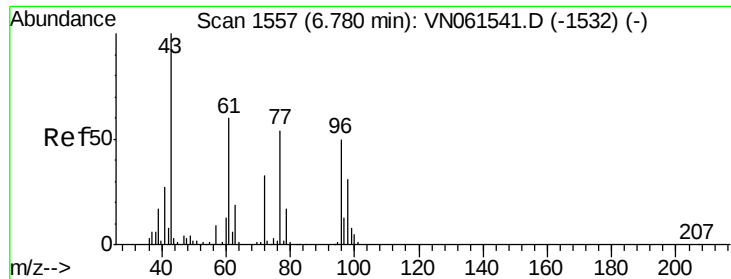
Tgt Ion: 77 Resp: 227785

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.0





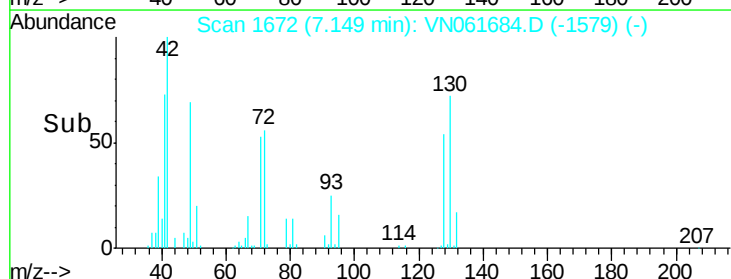
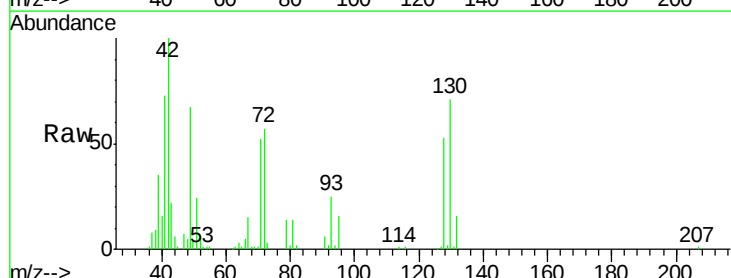
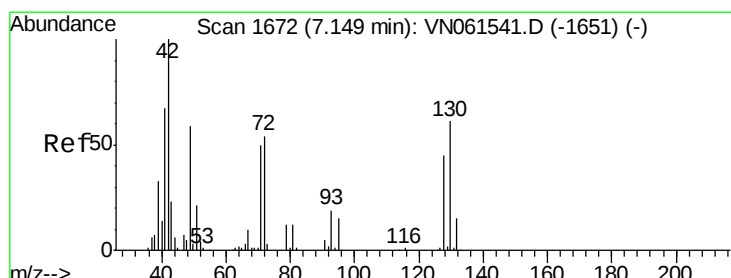
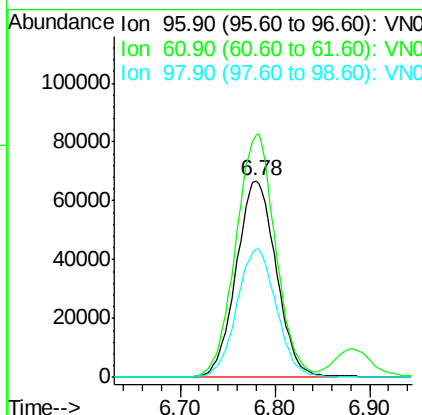
#27
 cis-1,2-Dichloroethene
 Concen: 44.532 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	122.9	0.0	252.2	
98	64.7	0.0	129.2	

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

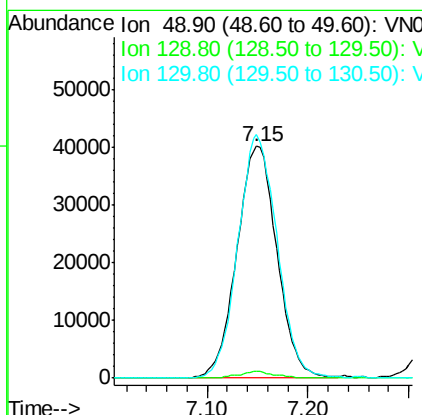
Manual Integrations
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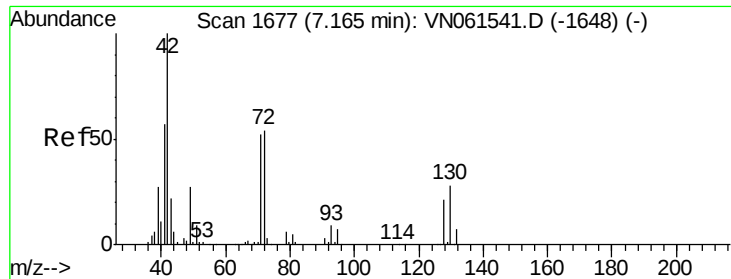
MMDadoda
 6/8/2020 11:49:12 AM



#28
 Bromochloromethane
 Concen: 46.697 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	102.8	78.8	118.2	





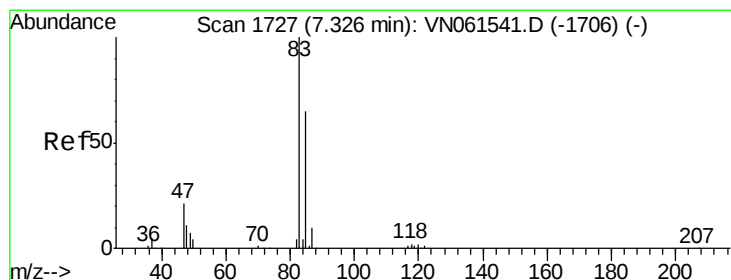
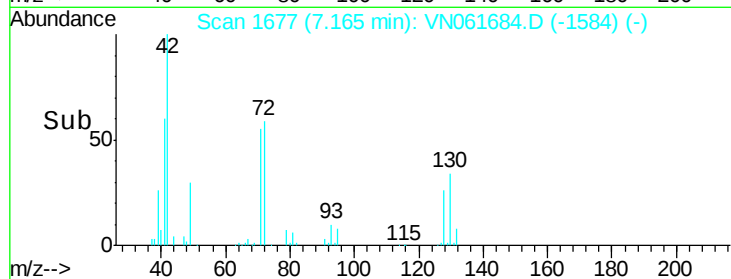
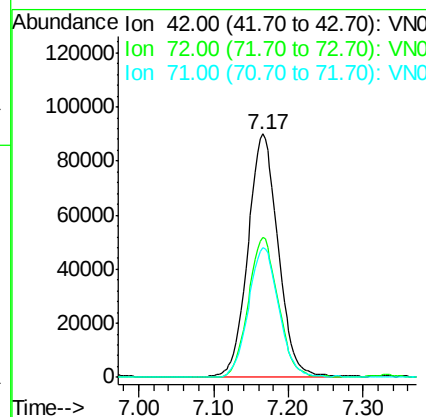
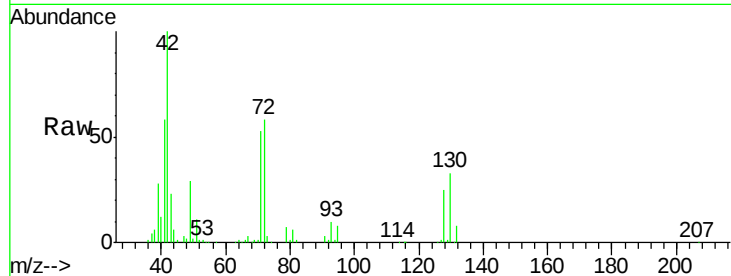
#29
Tetrahydrofuran
Concen: 201.832 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.6	43.6	65.4
71	53.4	41.2	61.8

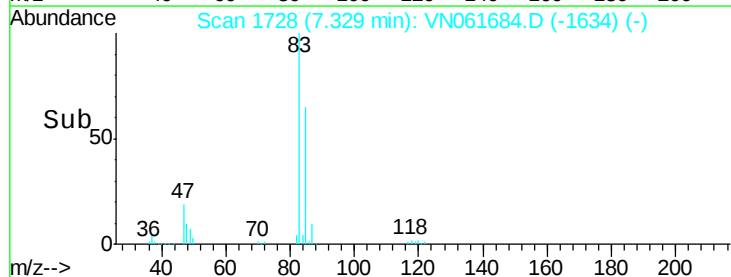
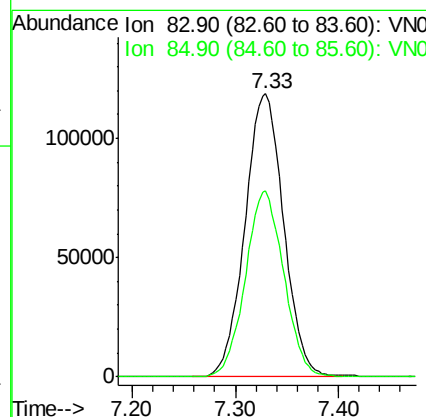
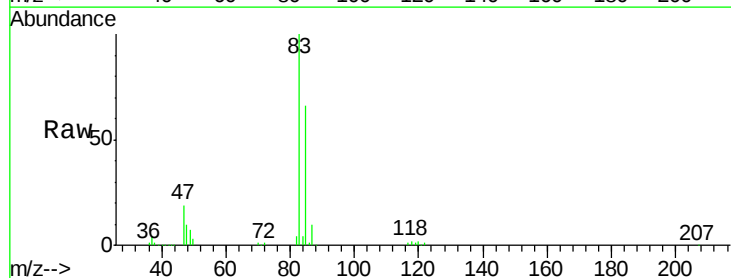
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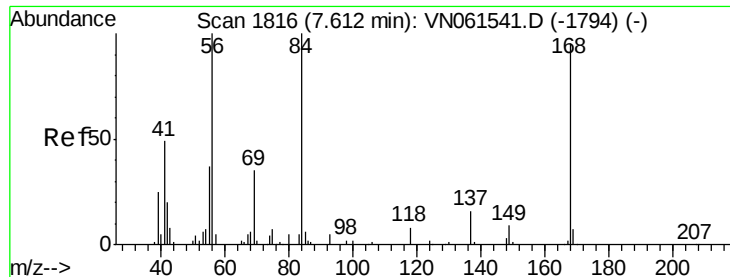
MMDadoda
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#30
Chloroform
Concen: 44.308 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.7	77.5





#31

Cyclohexane

Concen: 40.358 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 228741

Ion Ratio Lower Upper

56 100

69 35.9 27.8 41.8

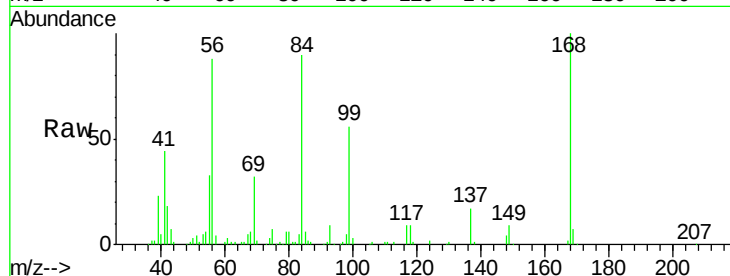
84 99.9 79.9 119.9

Manual Integrations

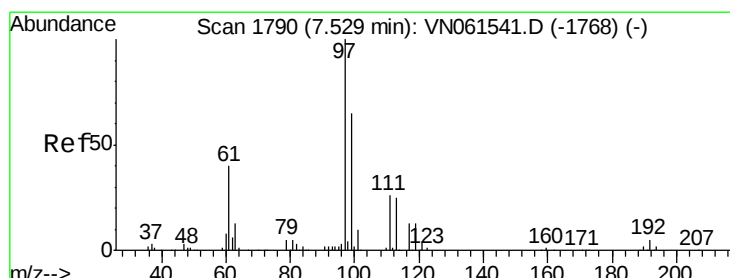
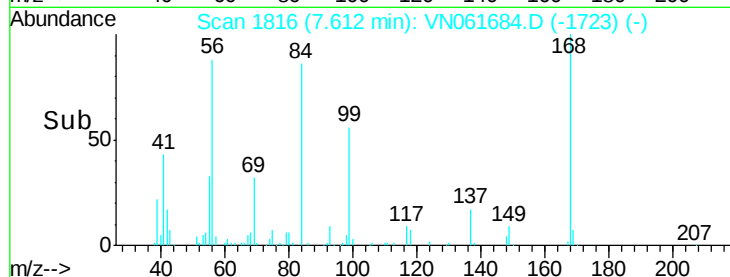
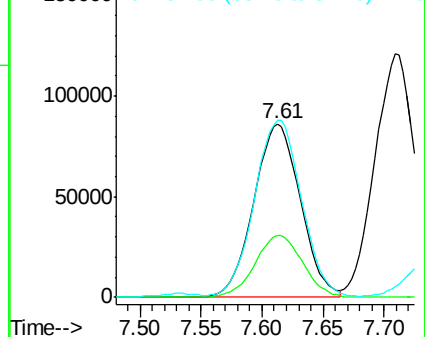
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 43.962 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

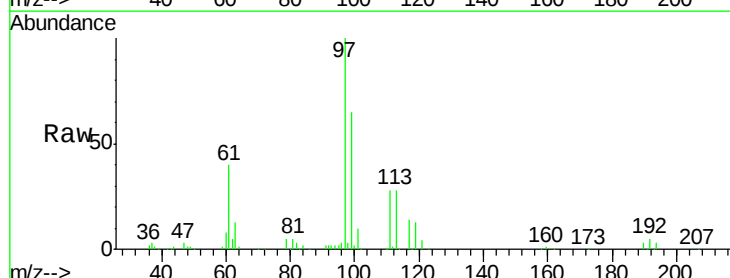
Tgt Ion: 97 Resp: 279285

Ion Ratio Lower Upper

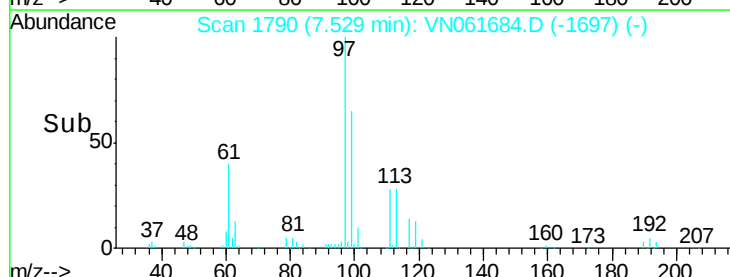
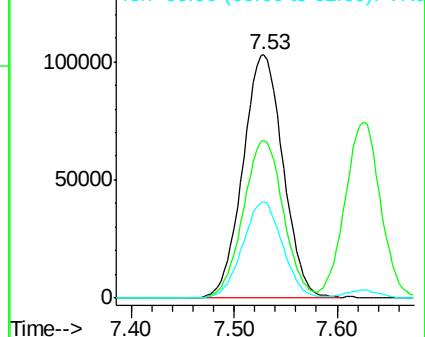
97 100

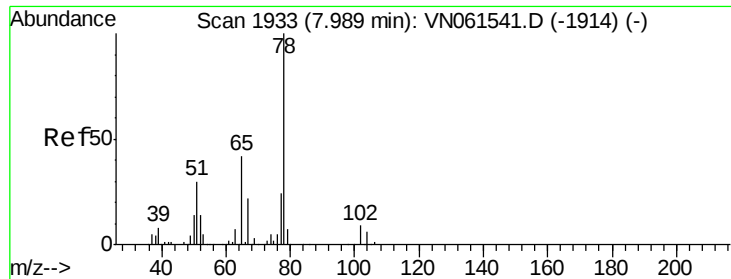
99 64.6 51.4 77.0

61 39.1 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 45.585 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 183323

Ion Ratio Lower Upper

65 100

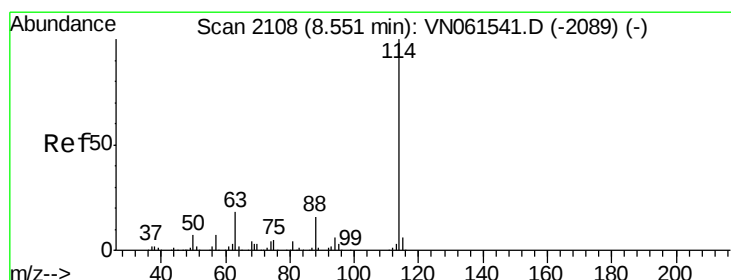
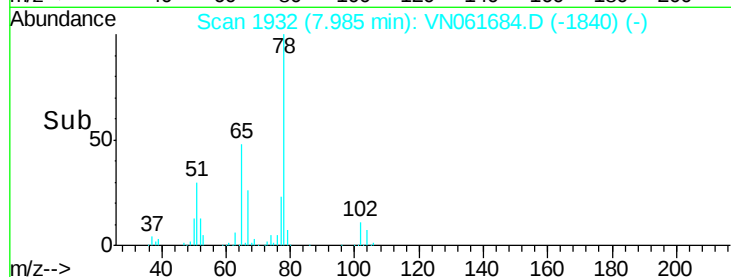
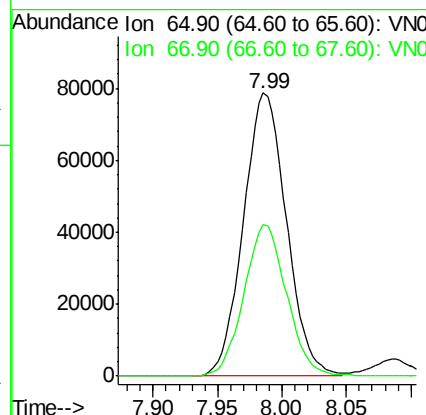
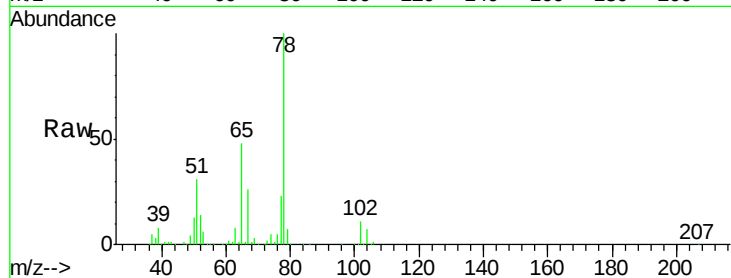
67 53.0 0.0 104.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

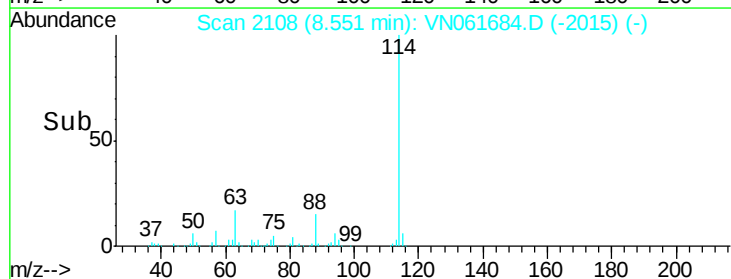
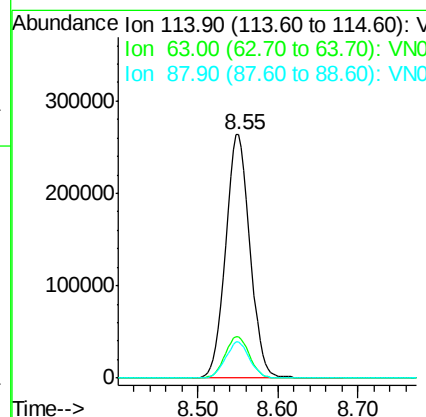
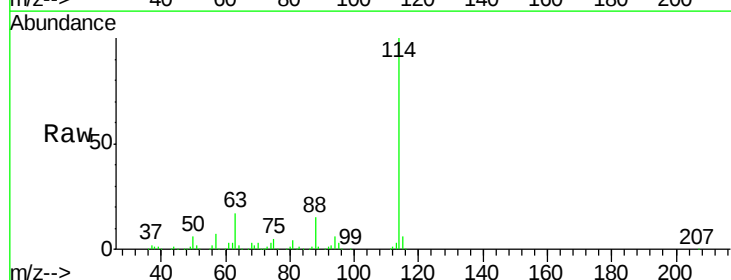
Tgt Ion: 114 Resp: 552246

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.8

88 14.8 0.0 31.0





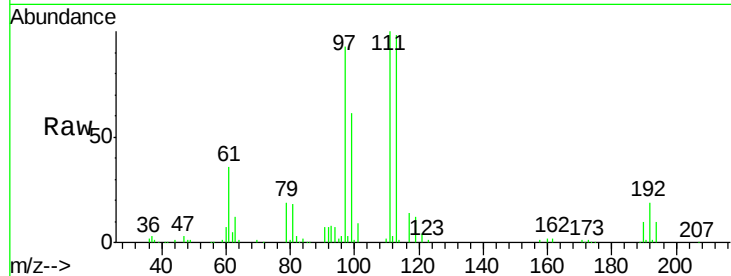
#35
 Dibromofluoromethane
 Concen: 51.882 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

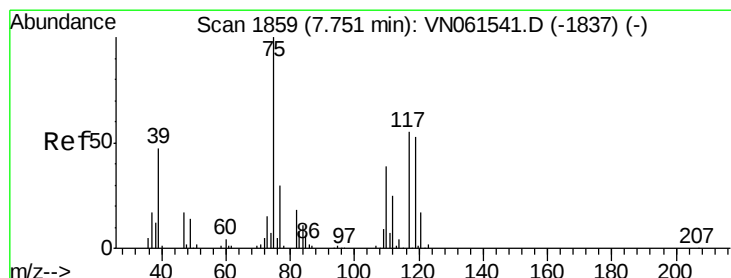
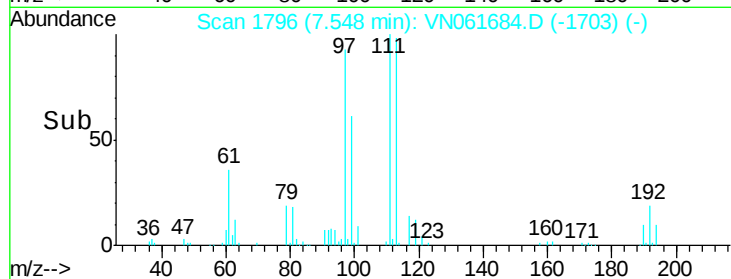
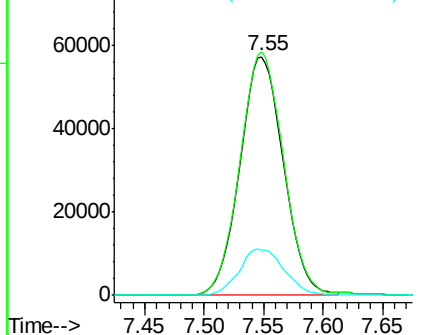
Tot Ion	Ratio	Resp	Lower	Upper
113	100	145344		
111	102.5	83.4	125.0	
192	20.1	15.4	23.2	

Manual Integrations
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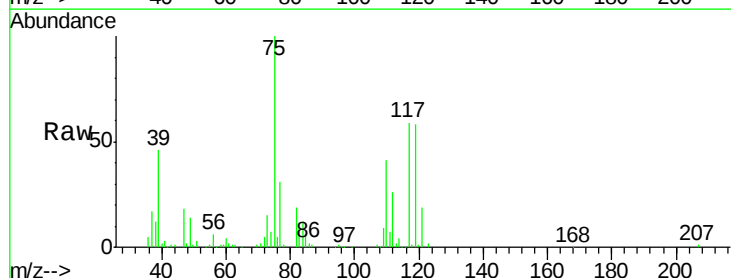


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

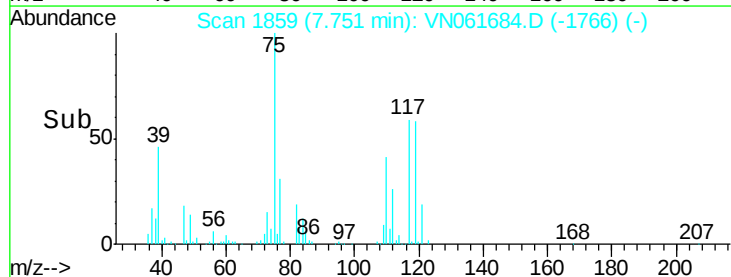
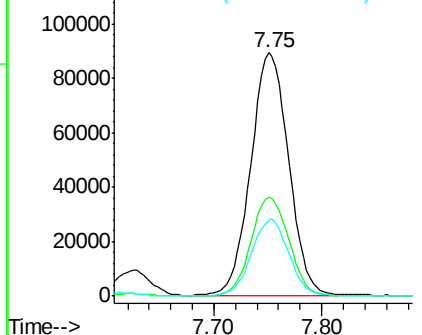


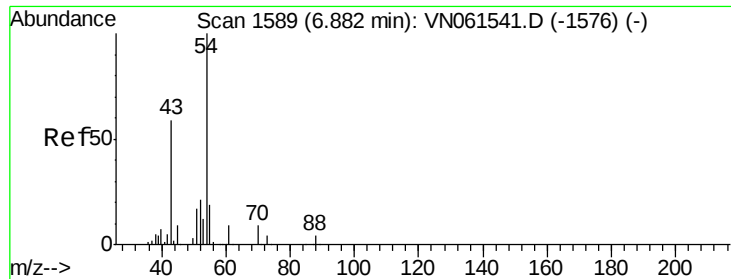
#36
 1,1-Dichloropropene
 Concen: 44.628 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218177		
110	40.8	19.5	58.5	
77	31.5	24.7	37.1	



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





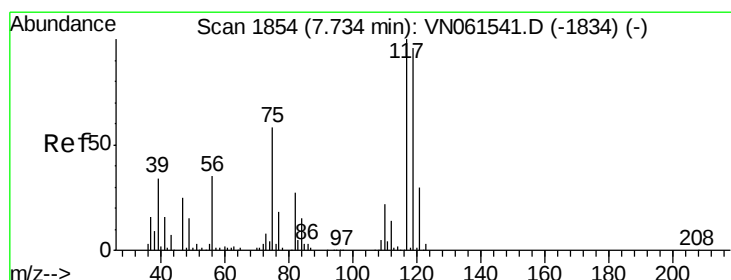
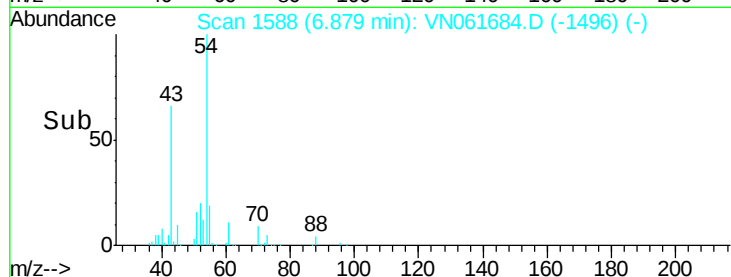
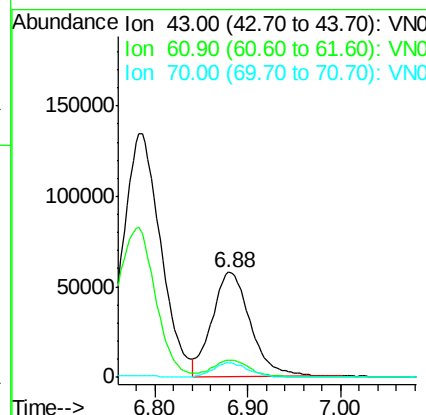
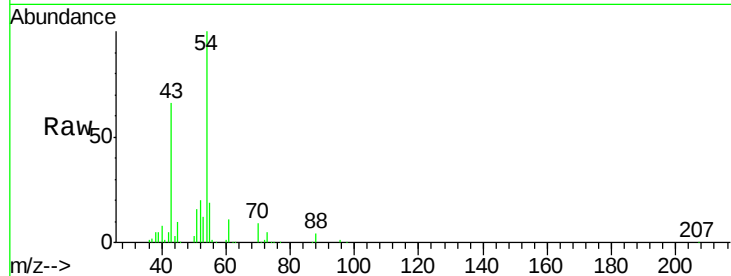
#37
Ethyl Acetate
Concen: 42.169 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	Resp	166044
Ion Ratio	100	Lower	Upper
43	100		
61	15.3	12.2	18.4
70	12.9	9.4	14.2

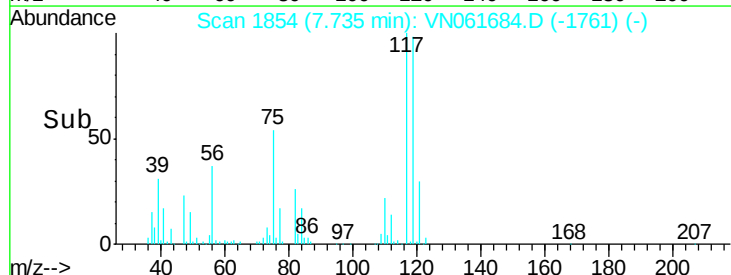
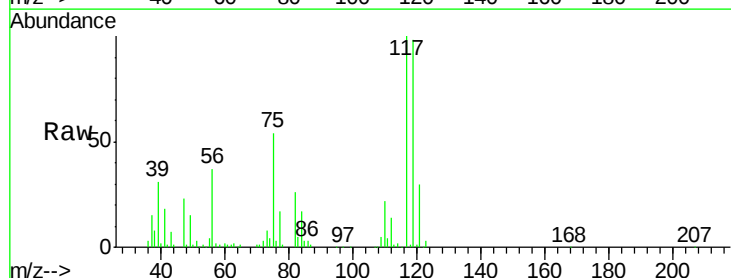
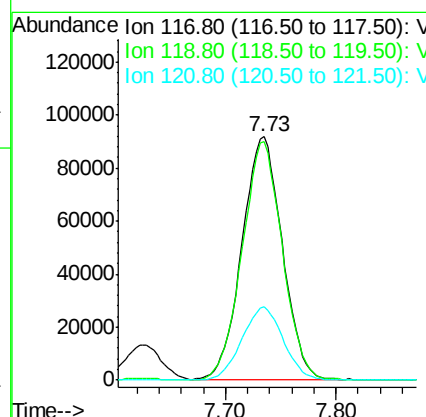
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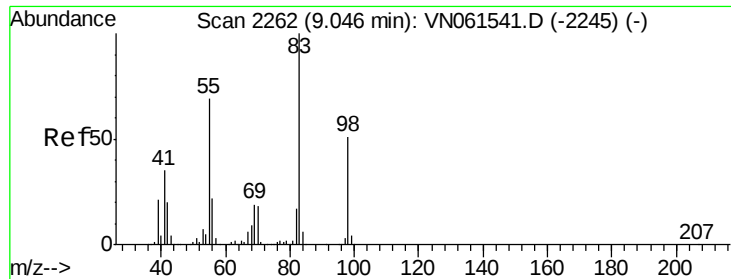
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#38
Carbon Tetrachloride
Concen: 48.974 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	117	Resp	230943
Ion Ratio	100	Lower	Upper
117	100		
119	98.3	76.5	114.7
121	30.0	24.1	36.1





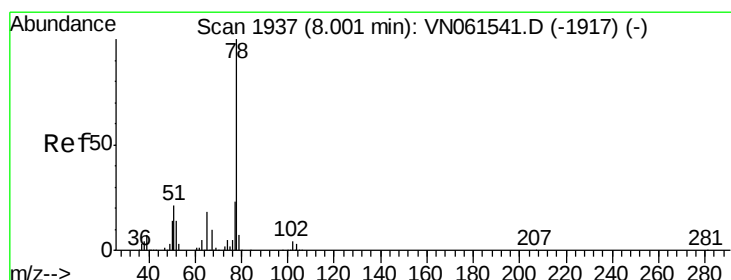
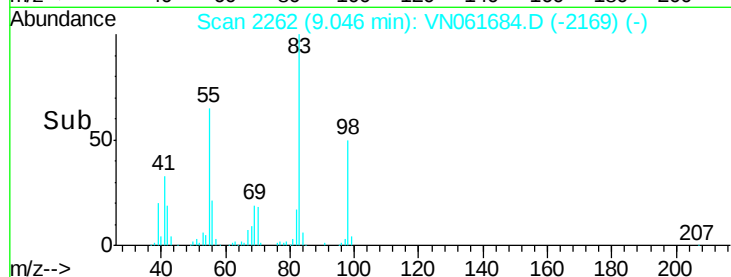
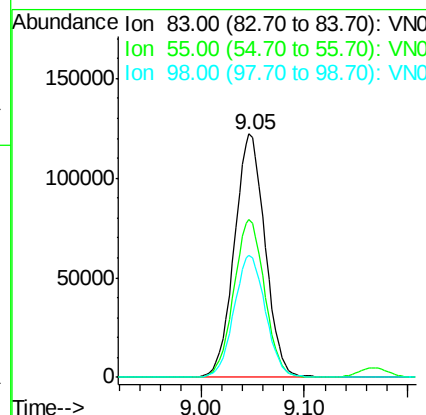
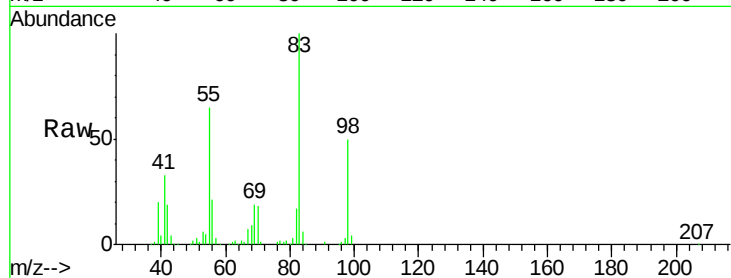
#39
Methvlcvclohexane
Concen: 42.122 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.0	54.9	82.3
98	50.3	41.0	61.4

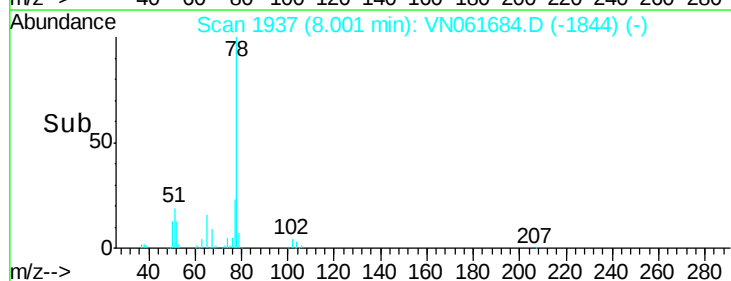
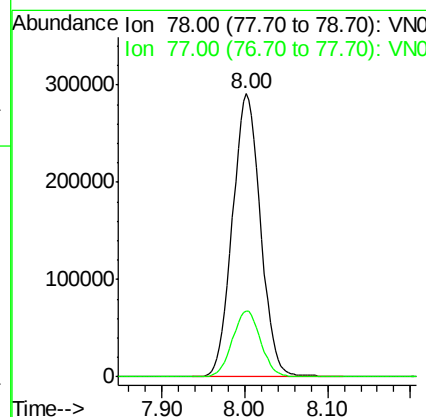
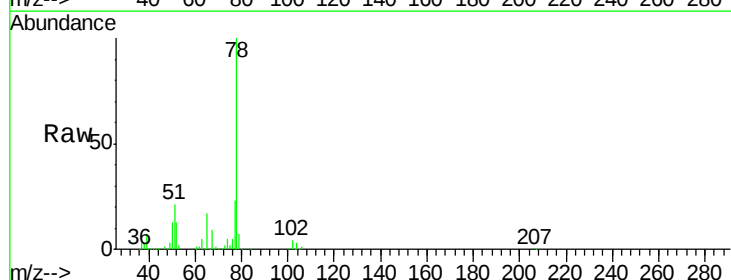
Manual Integrations
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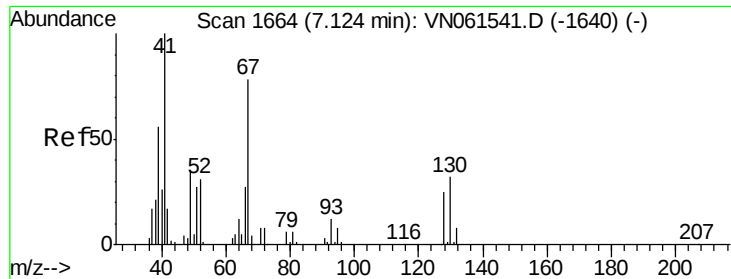
MMDadoda
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#40
Benzene
Concen: 45.609 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





#41

Methacrylonitrile

Concen: 41.205 ug/l

RT: 7.13 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 74337

Ion Ratio Lower Upper

41 100

39 58.1 53.8 80.6

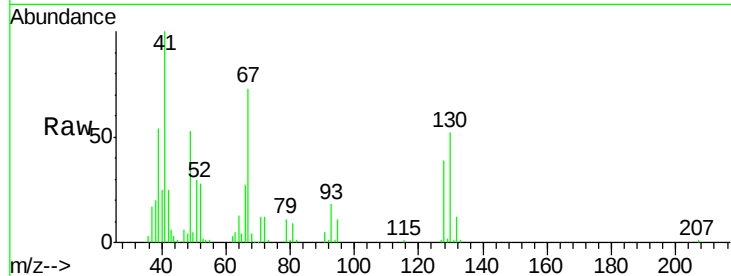
67 108.4 91.1 136.7

52 41.9 36.0 54.0

Manual Integrations
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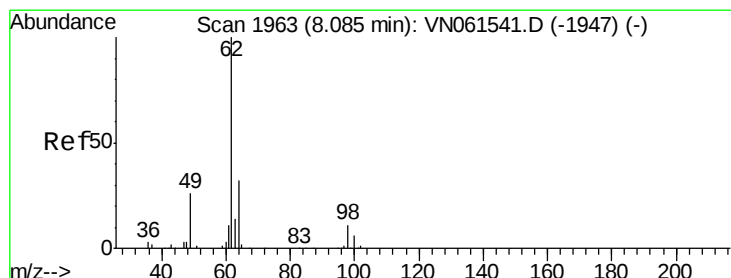
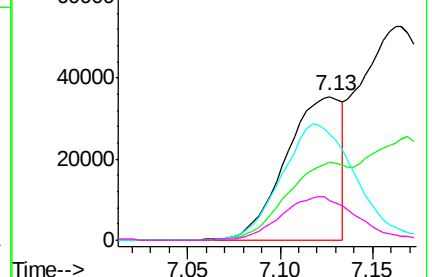
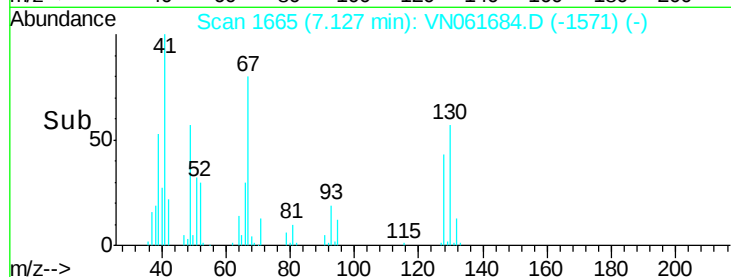


Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-1640) (-)

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

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

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



#42

1,2-Dichloroethane

Concen: 43.794 ug/l

RT: 8.09 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VN061684.D

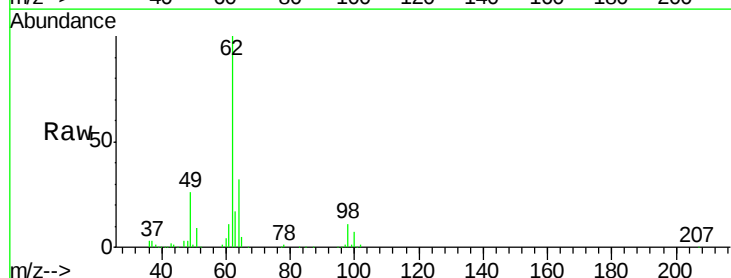
Acq: 5 Jun 2020 20:58

Tgt Ion: 62 Resp: 221159

Ion Ratio Lower Upper

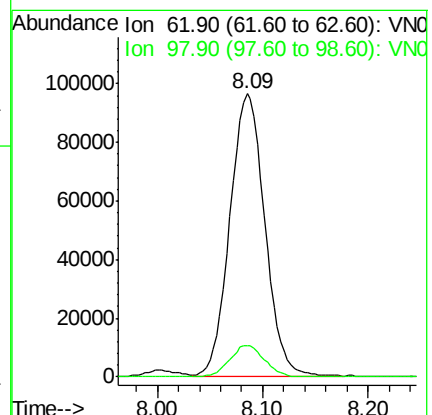
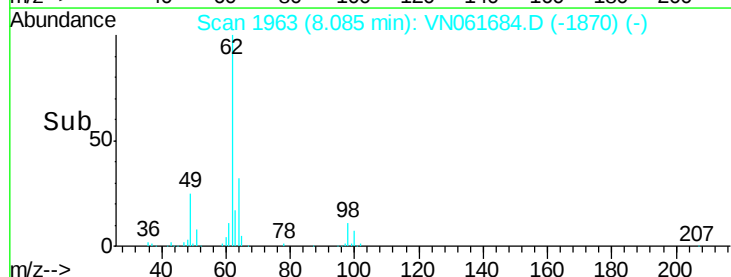
62 100

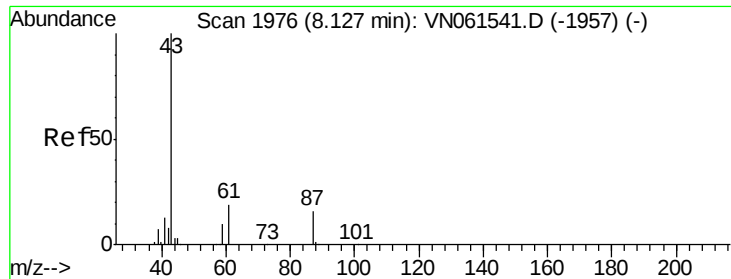
98 11.2 0.0 21.4



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

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





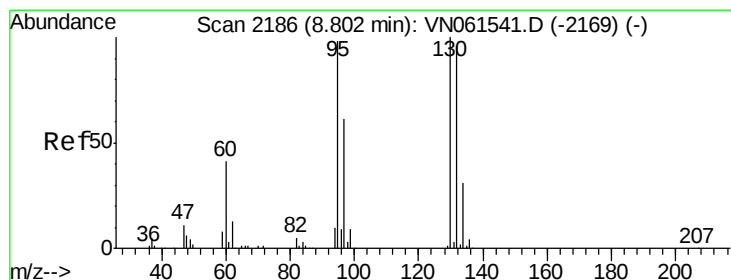
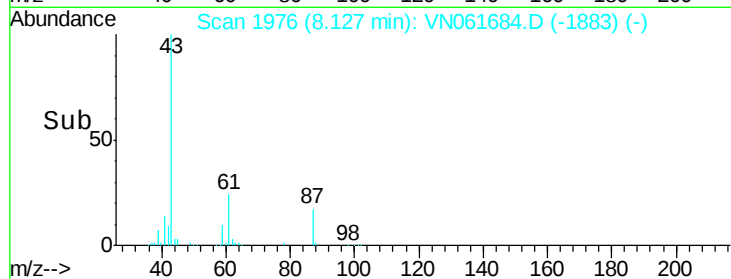
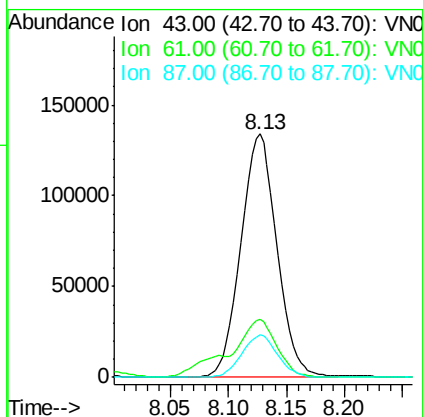
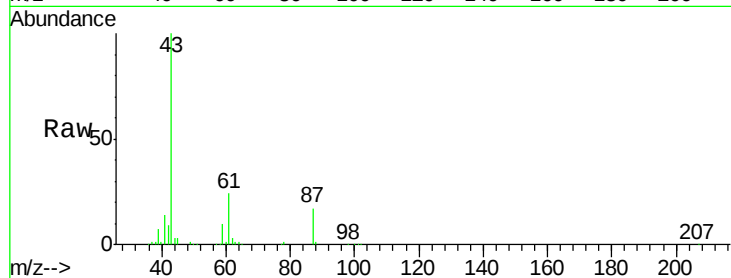
#43
Isopropyl Acetate
Concen: 40.847 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.0	23.6	35.4#
87	17.4	13.0	19.6

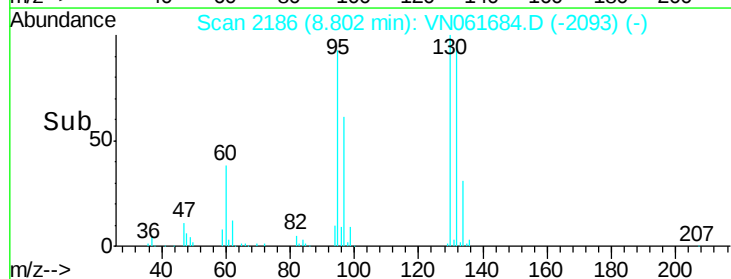
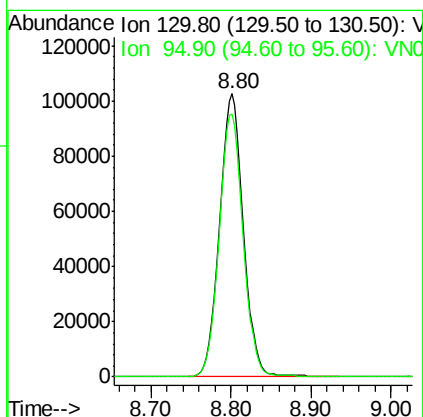
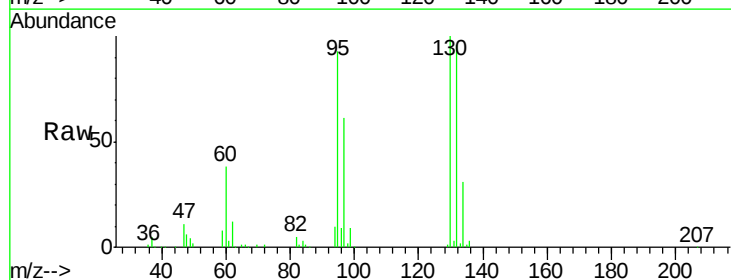
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#44
Trichloroethene
Concen: 45.402 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	196.6





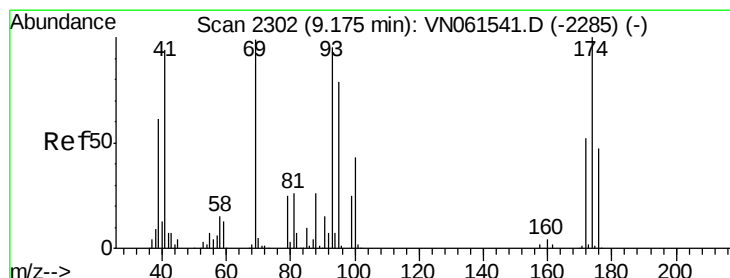
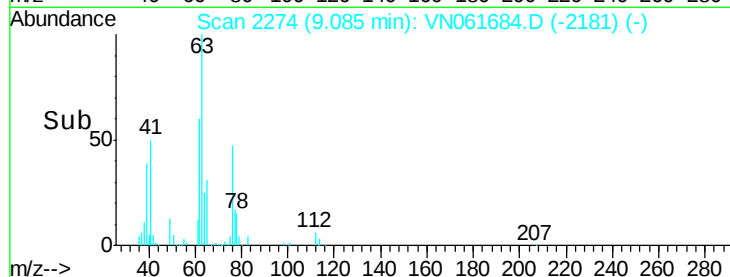
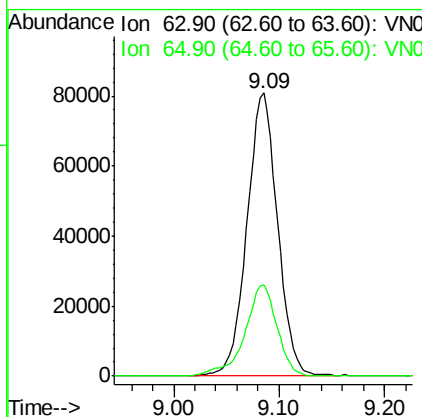
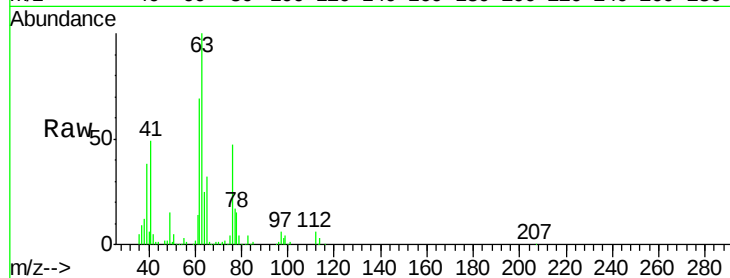
#45
 1,2-Dichloropropane
 Concen: 45.671 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.7	37.1

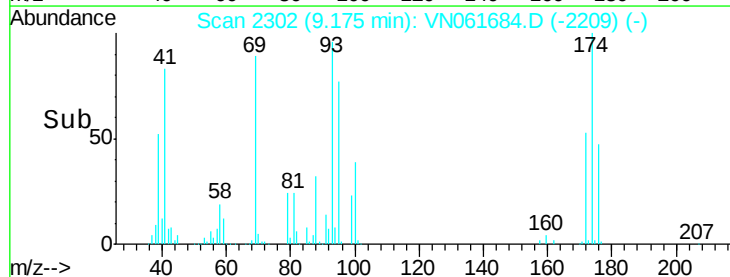
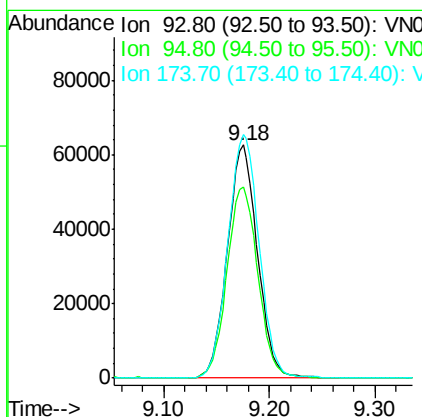
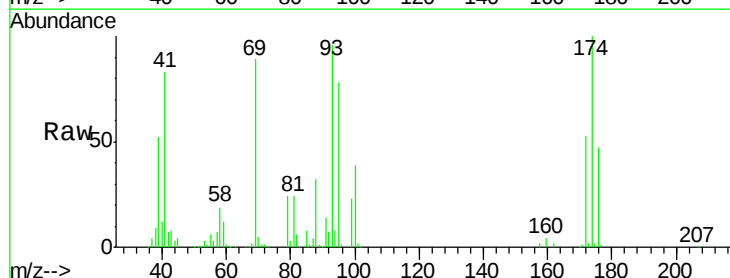
Manual Integrations
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#46
 Dibromomethane
 Concen: 45.076 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.0	99.0
174	108.4	82.5	123.7





#47

Bromodichloromethane

Concen: 46.315 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

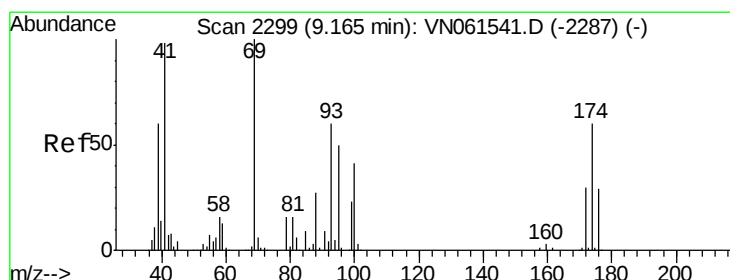
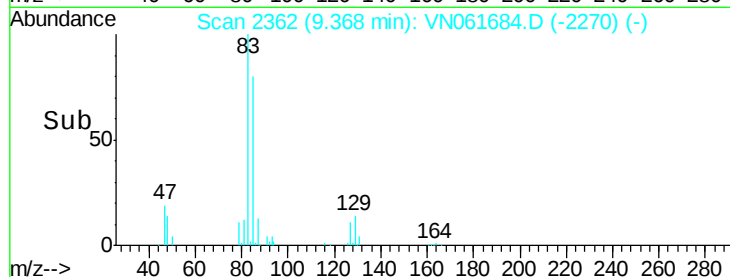
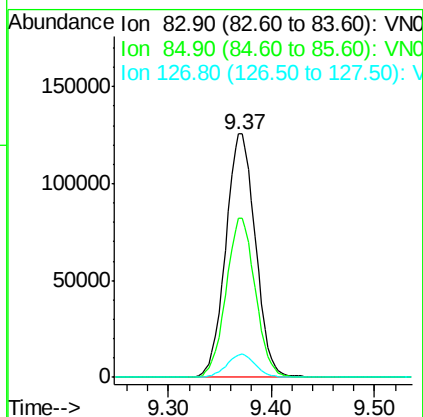
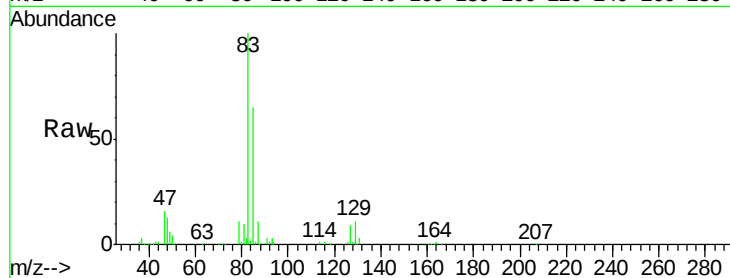
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	252071
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.1	76.7
127	9.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 39.929 ug/l

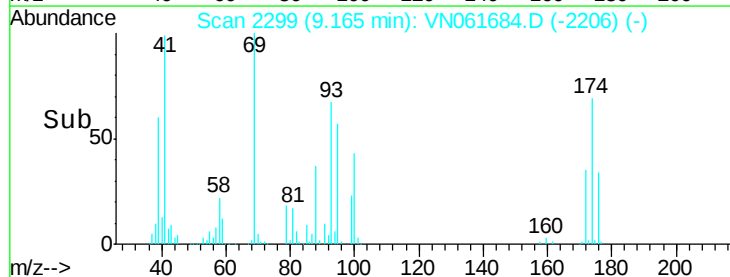
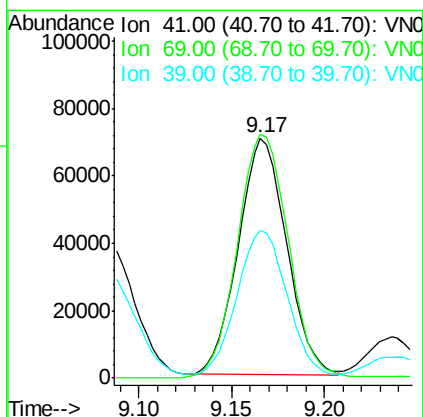
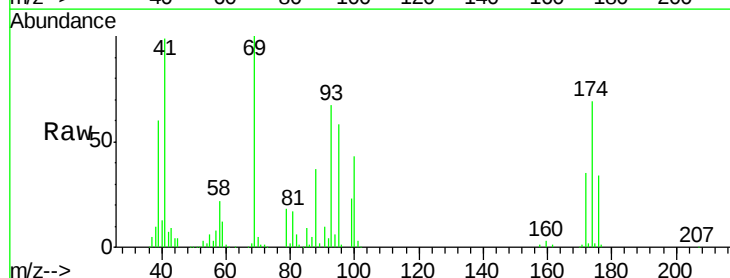
RT: 9.17 min Scan# 2299

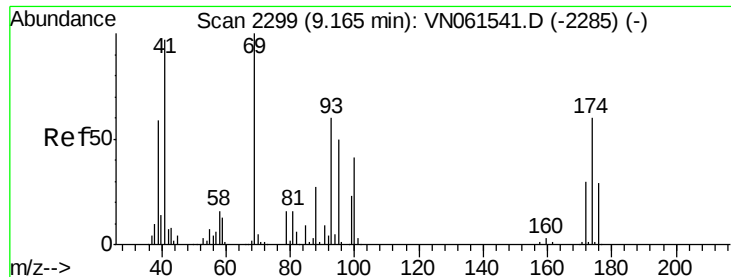
Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion:	41	Resp:	127265
Ion Ratio	Lower	Upper	
41	100		
69	109.2	83.9	125.9
39	65.5	52.1	78.1





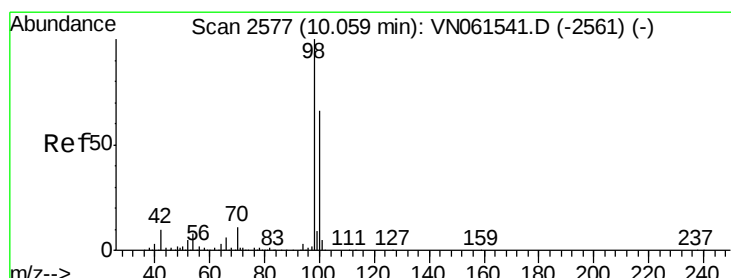
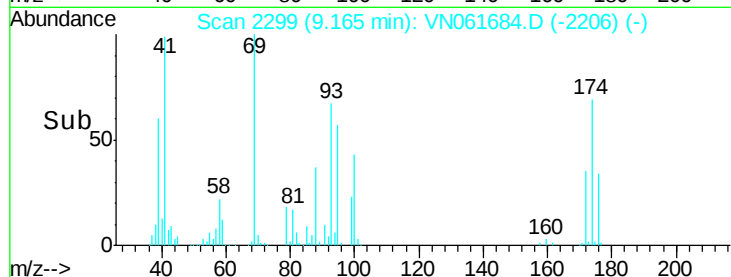
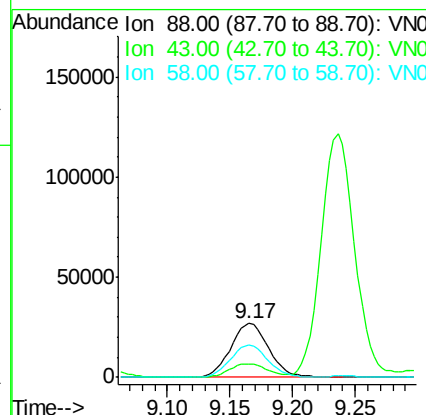
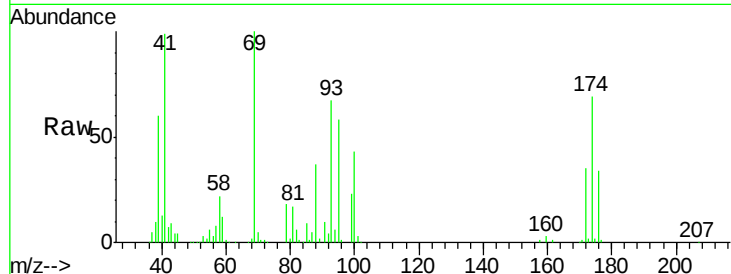
#49
1,4-Dioxane
Concen: 1147.830 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	56676
Ion	Ratio	Lower	Upper
88	100		
43	26.0	23.1	34.7
58	59.1	48.3	72.5

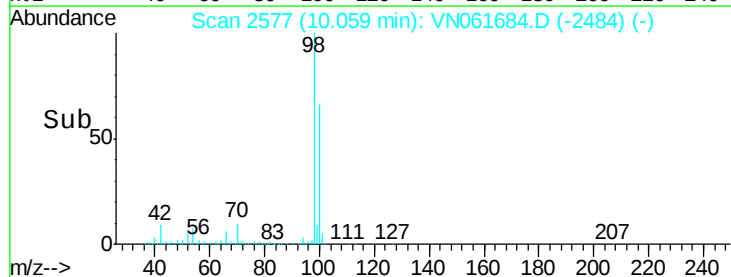
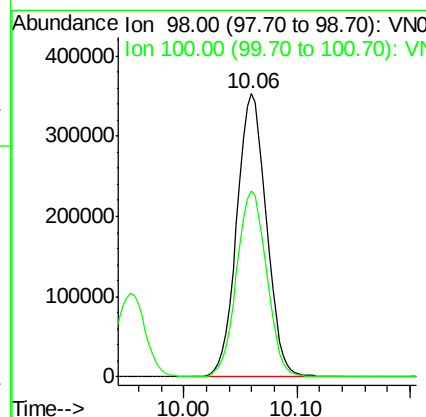
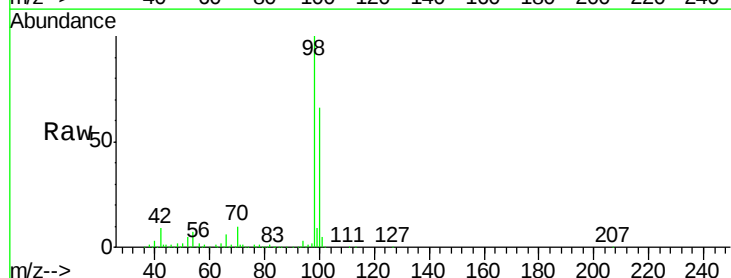
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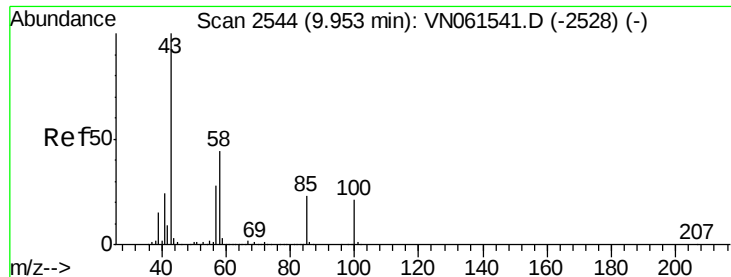
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#50
Toluene-d8
Concen: 49.589 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	98	Resp	643782
Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 211.297 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 843527

Ion Ratio Lower Upper

43 100

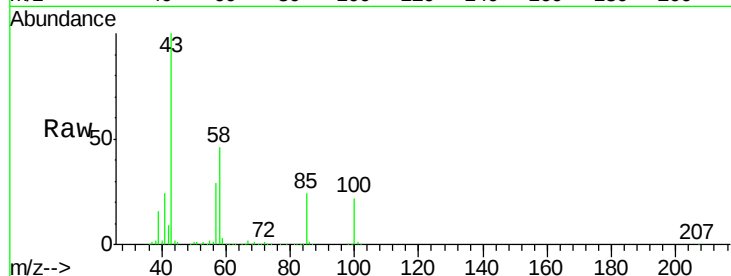
58 45.6 35.0 52.6

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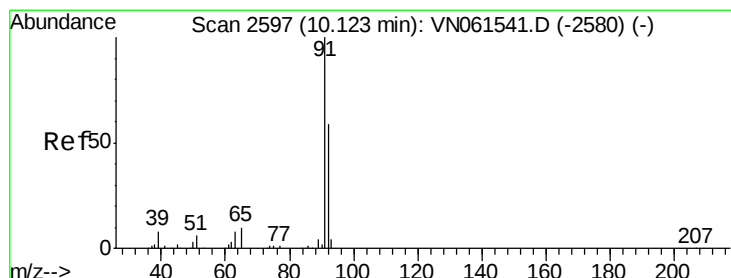
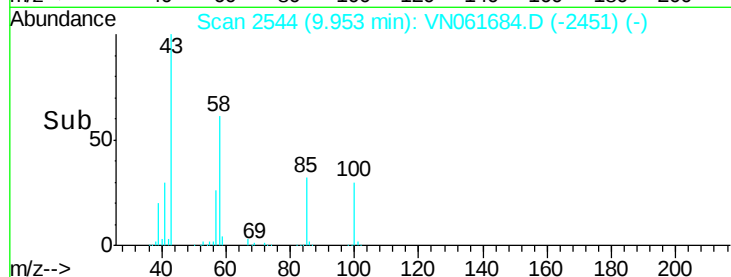
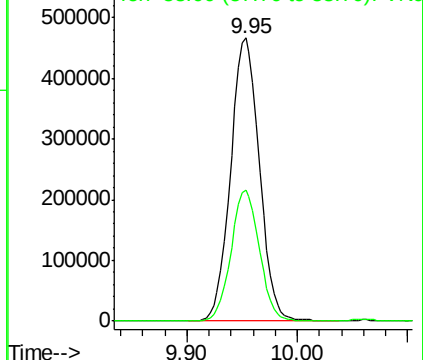
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 46.917 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061684.D

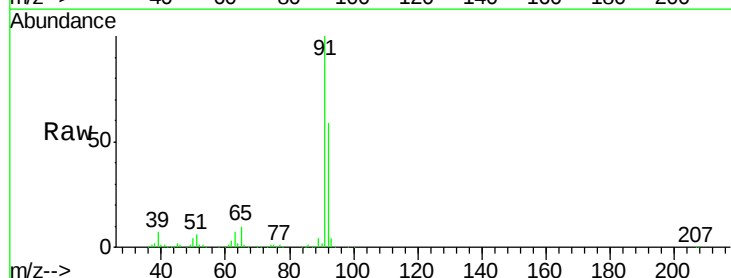
Acq: 5 Jun 2020 20:58

Tgt Ion: 92 Resp: 461910

Ion Ratio Lower Upper

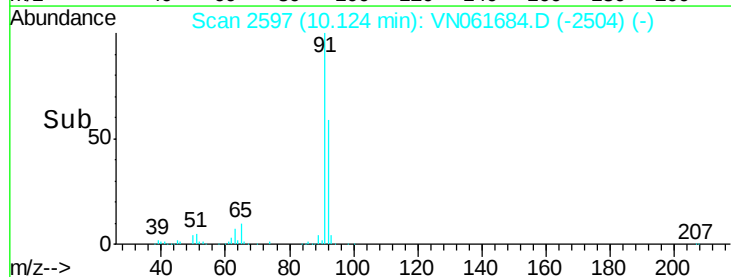
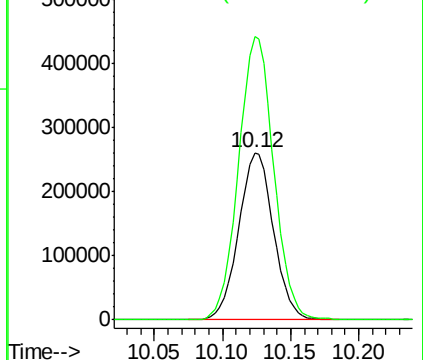
92 100

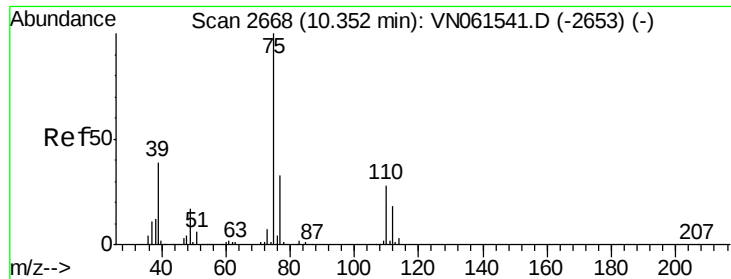
91 171.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





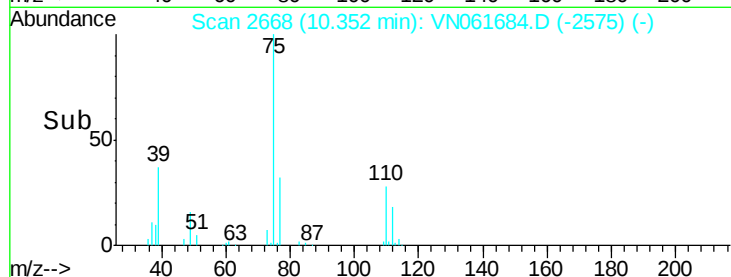
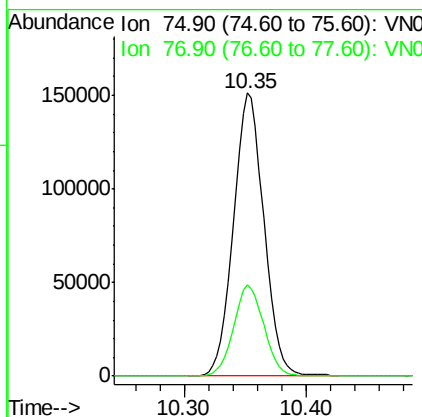
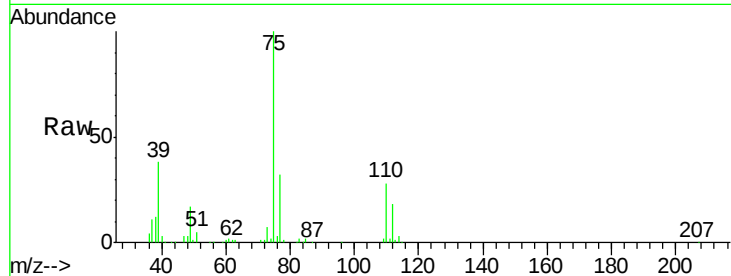
#53
t-1,3-Dichloropropene
Concen: 44.599 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4

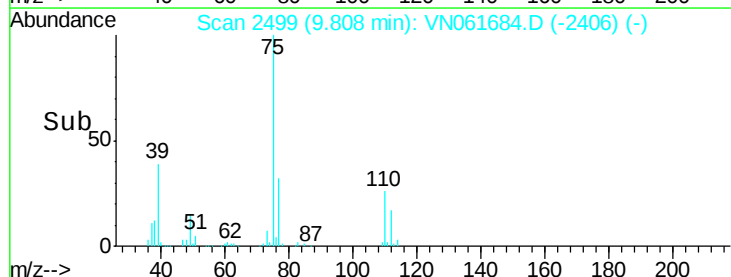
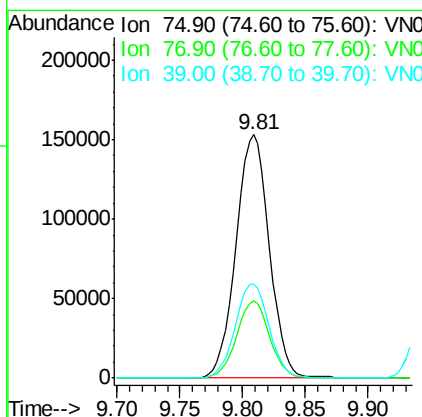
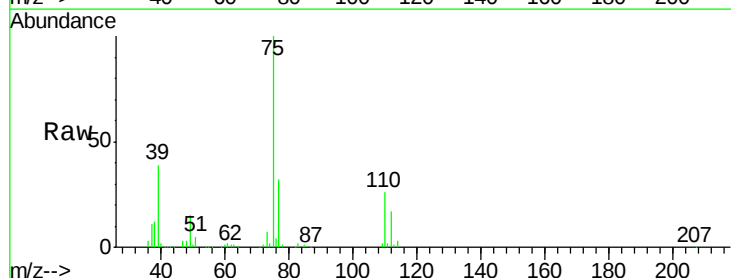
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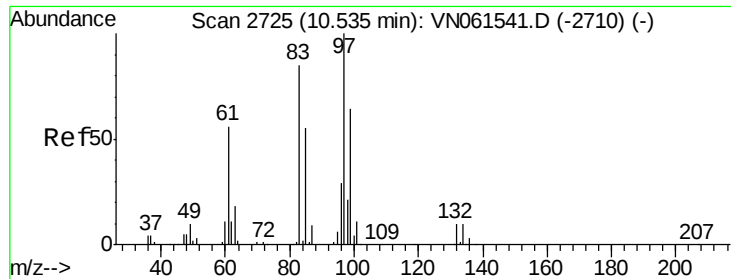
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#54
cis-1,3-Dichloropropene
Concen: 44.824 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	38.7	33.8	50.6





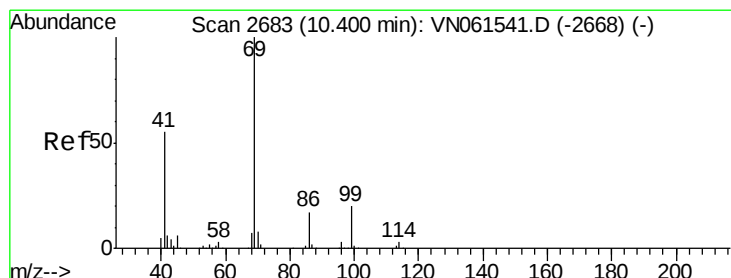
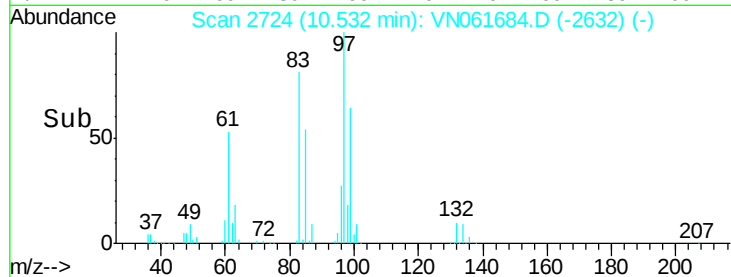
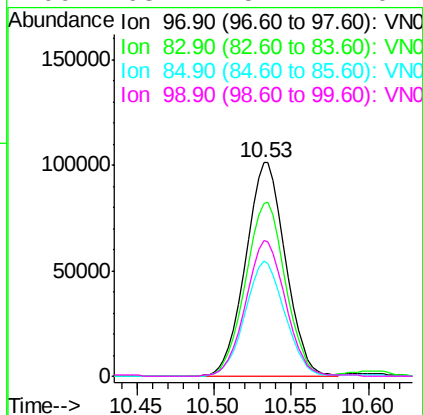
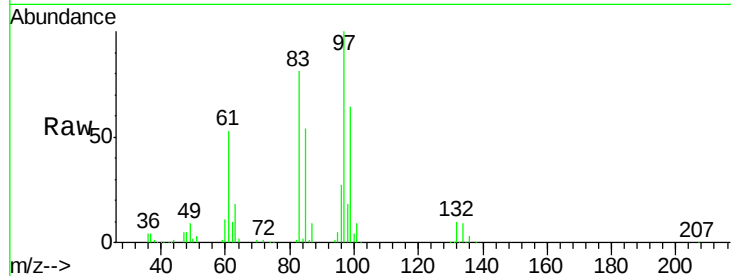
#55
 1,1,2-Trichloroethane
 Concen: 46.485 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	182333
Ion	Ratio	Lower	Upper
97	100		
83	81.1	68.1	102.1
85	54.1	44.1	66.1
99	63.7	51.1	76.7

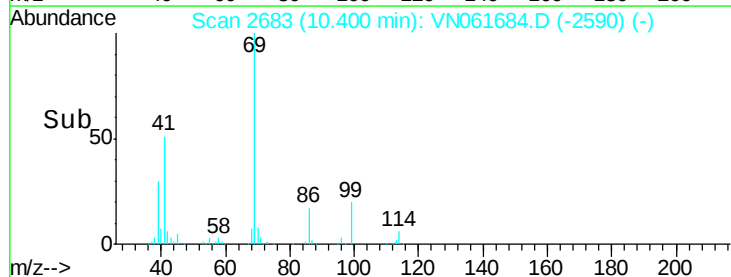
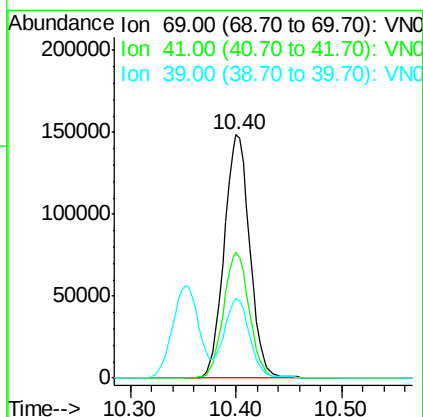
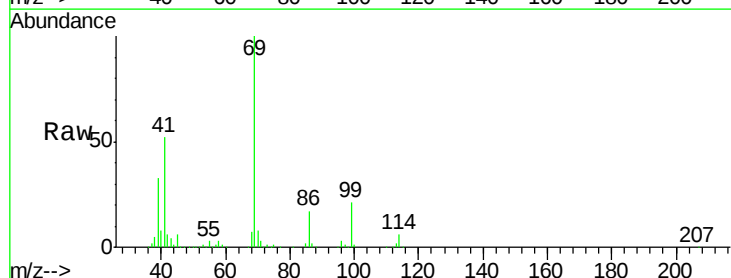
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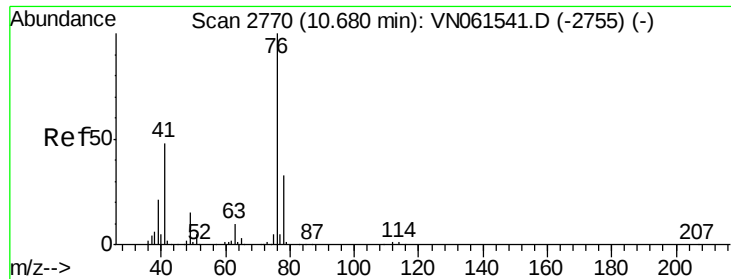
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#56
 Ethyl methacrylate
 Concen: 45.422 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion:	69	Resp:	248880
Ion	Ratio	Lower	Upper
69	100		
41	51.9	43.5	65.3
39	32.5	27.0	40.6





#57

1,3-Dichloropropane

Concen: 46.015 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 288672

Ion Ratio Lower Upper

76 100

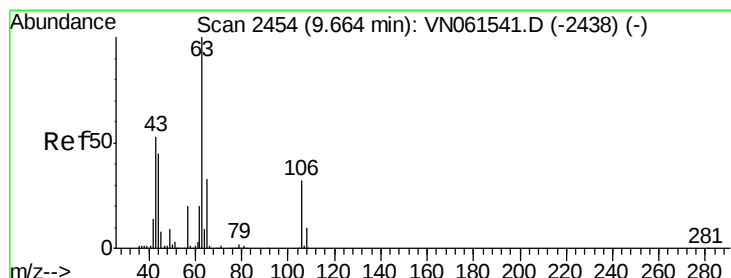
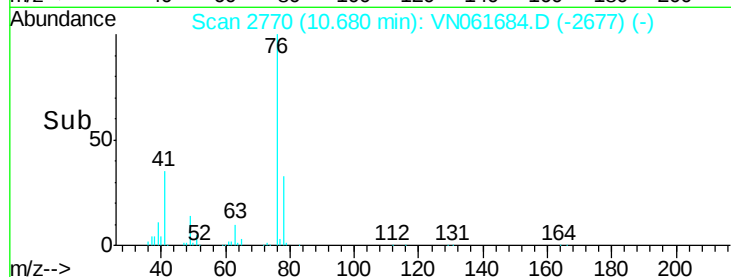
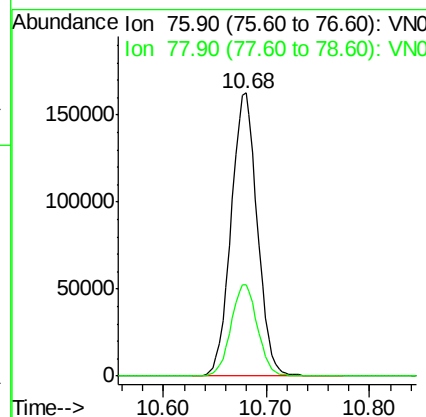
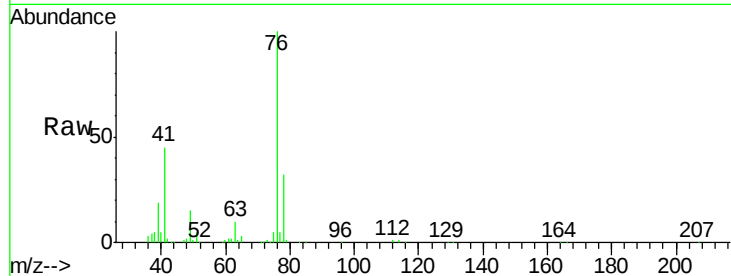
78 32.7 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 219.569 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061684.D

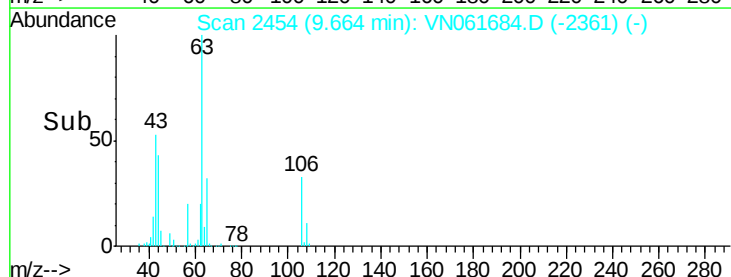
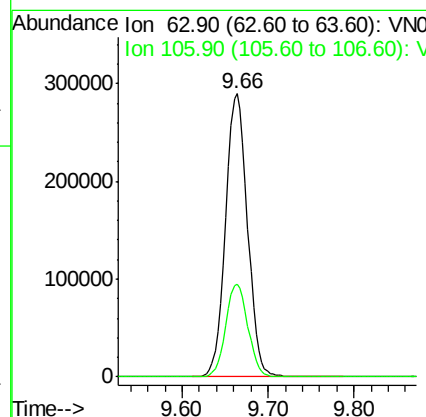
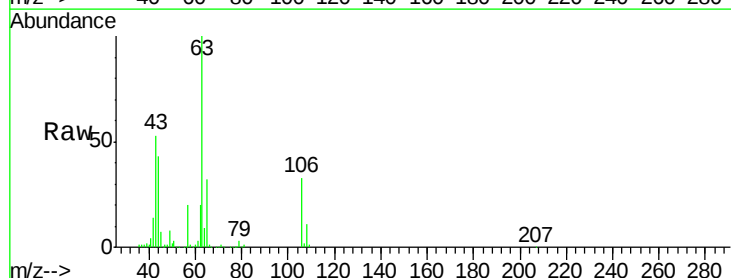
Acq: 5 Jun 2020 20:58

Tgt Ion: 63 Resp: 514127

Ion Ratio Lower Upper

63 100

106 33.1 25.9 38.9





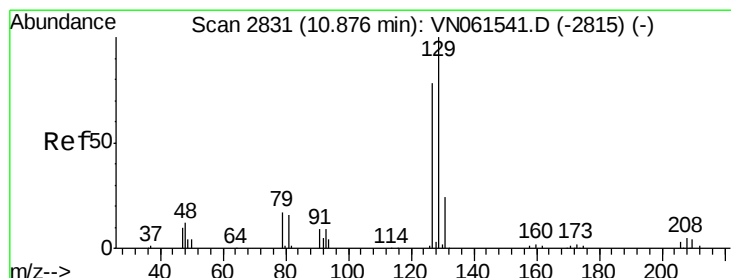
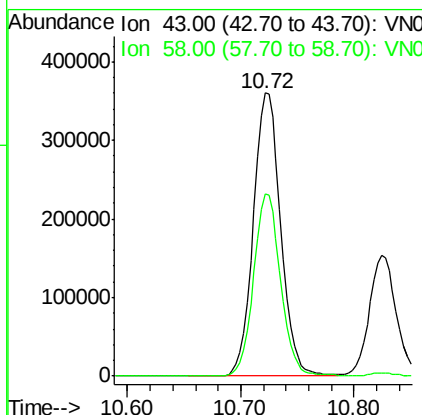
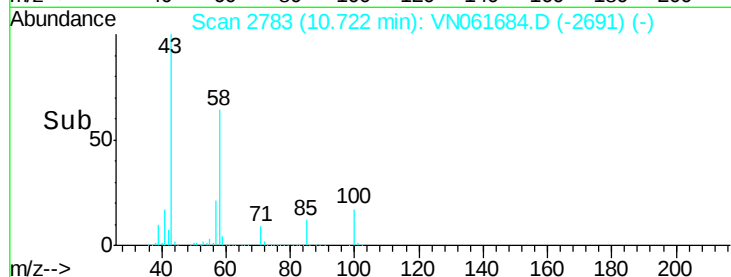
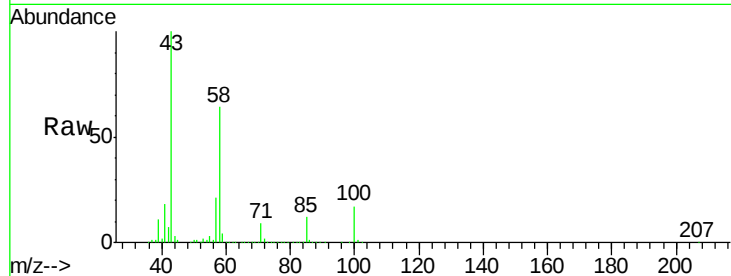
#59
2-Hexanone
Concen: 211.225 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 605590
Ion Ratio Lower Upper
43 100
58 63.4 30.7 92.1

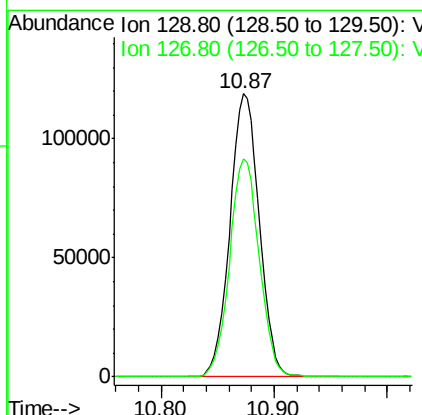
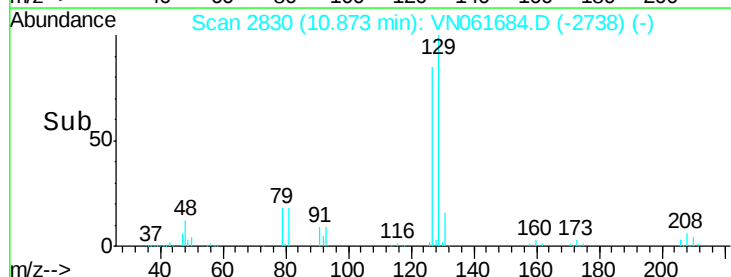
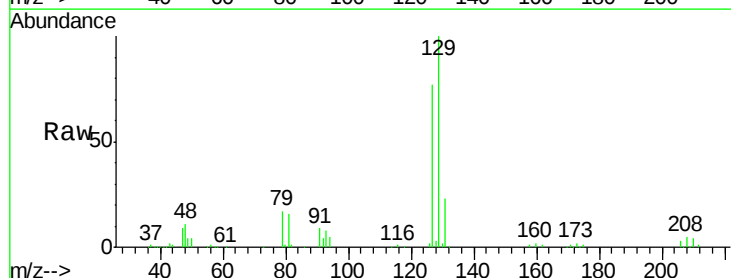
Manual Integrations
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#60
Dibromochloromethane
Concen: 48.231 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 129 Resp: 215072
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3





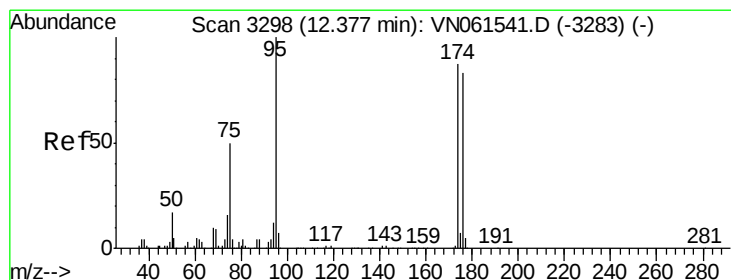
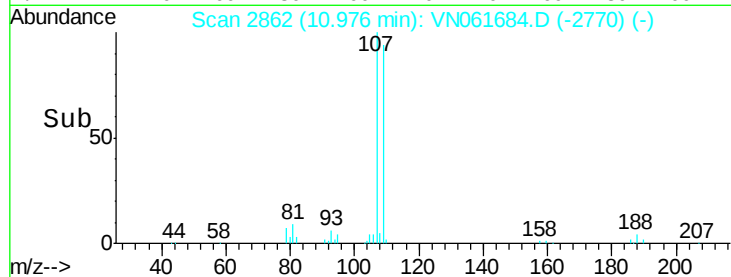
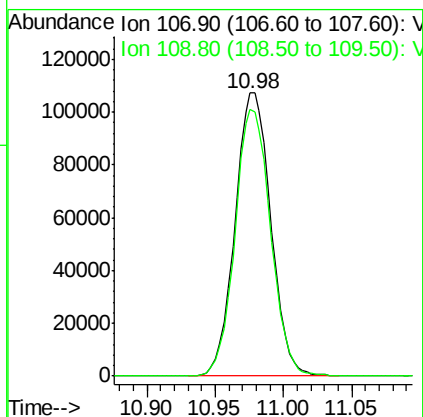
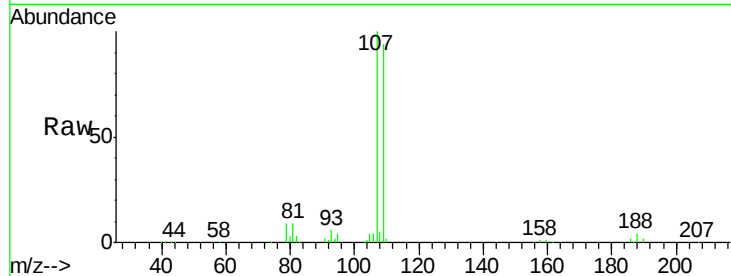
#61
 1,2-Dibromoethane
 Concen: 47.764 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 195396
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.1 114.1

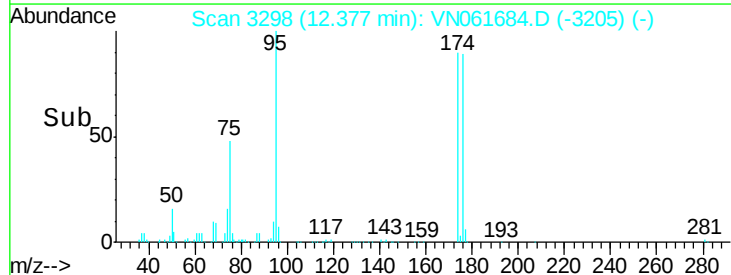
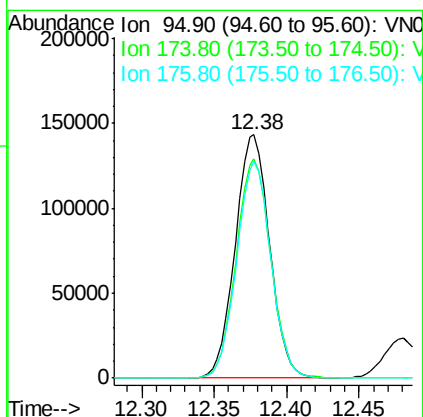
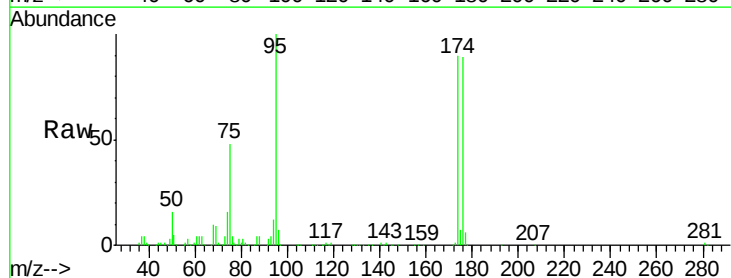
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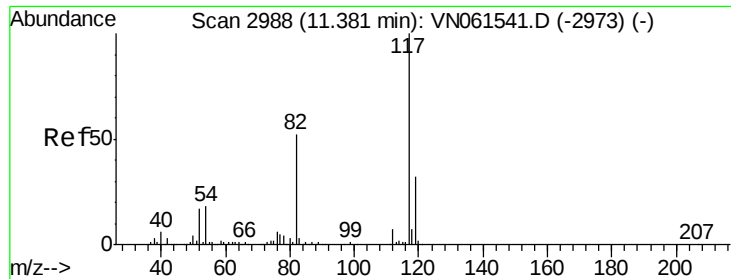
MMDadoda
 6/8/2020 11:49:12 AM



#62
 4-Bromofluorobenzene
 Concen: 49.986 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion: 95 Resp: 236752
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 172.8
 176 88.4 0.0 164.8





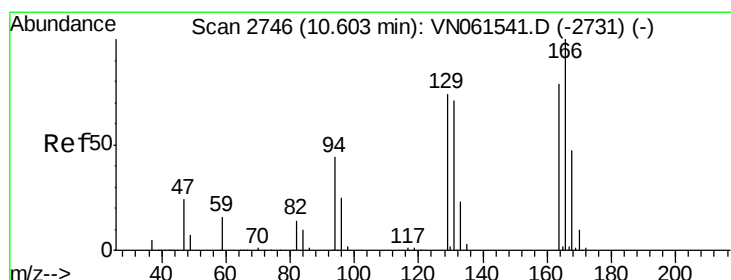
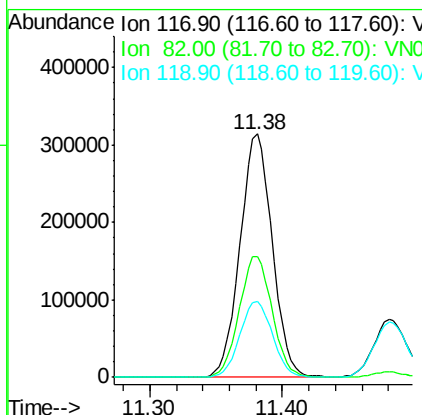
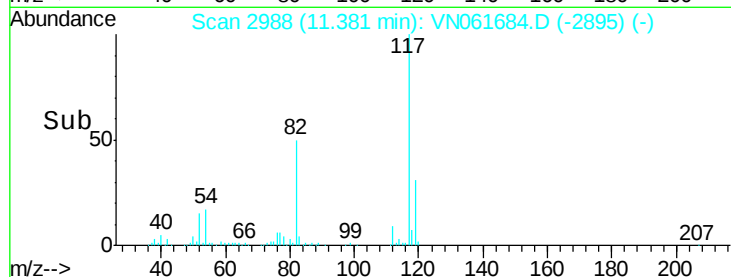
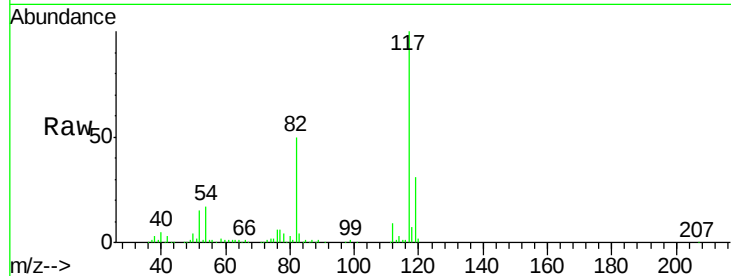
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	41.5	62.3
119	31.3	25.6	38.4

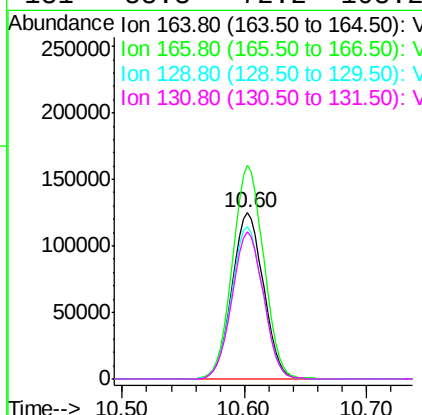
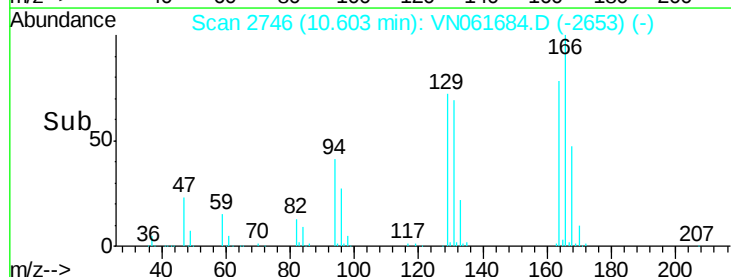
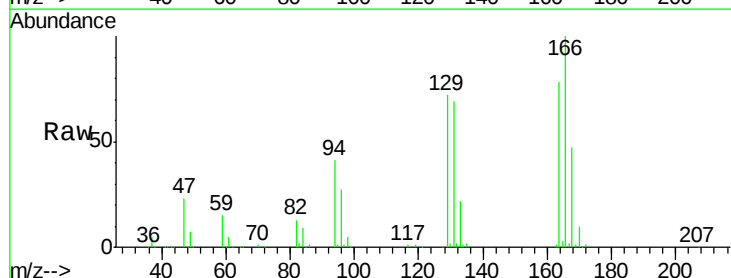
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#64
Tetrachloroethene
Concen: 44.685 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.5	152.3
129	92.1	74.9	112.3
131	88.3	72.2	108.2





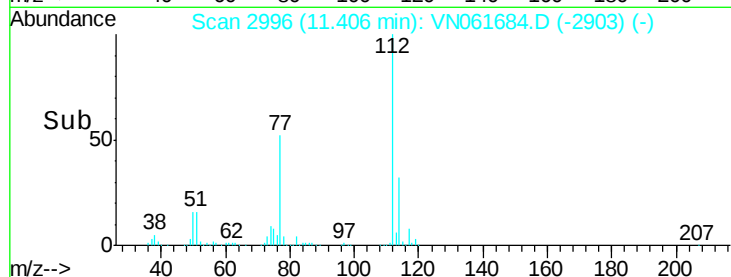
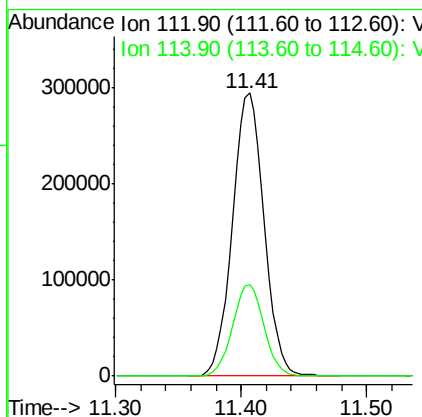
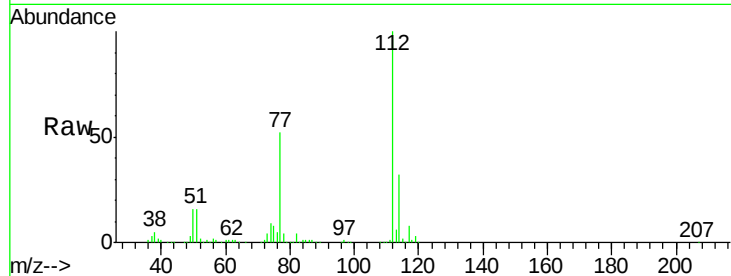
#65
Chlorobenzene
Concen: 46.555 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.7	38.5

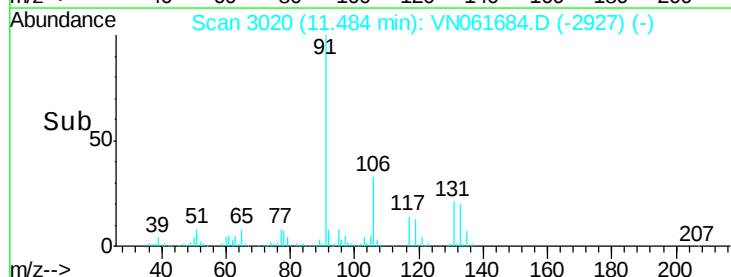
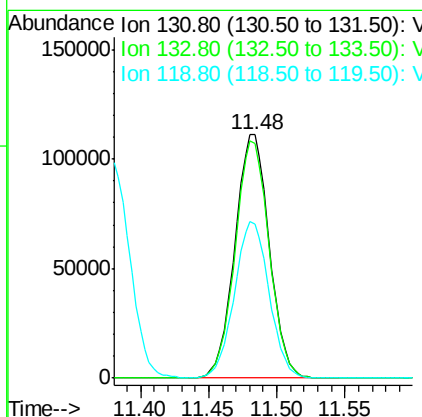
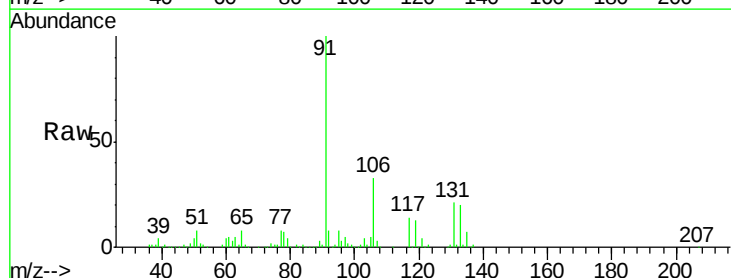
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.209 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.4	142.2
119	64.9	32.6	97.8





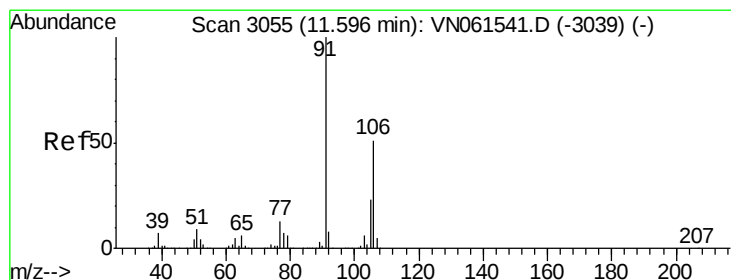
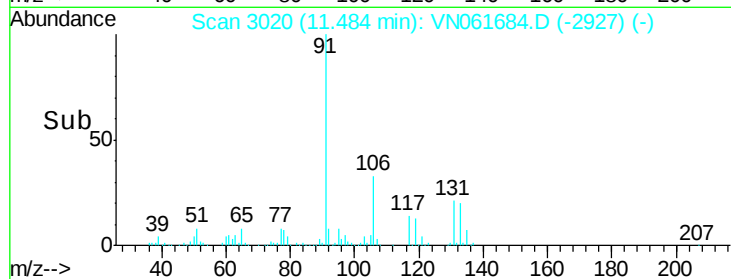
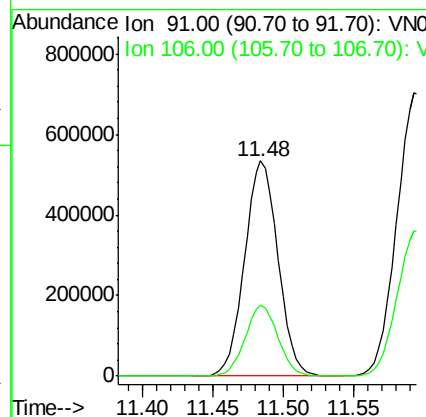
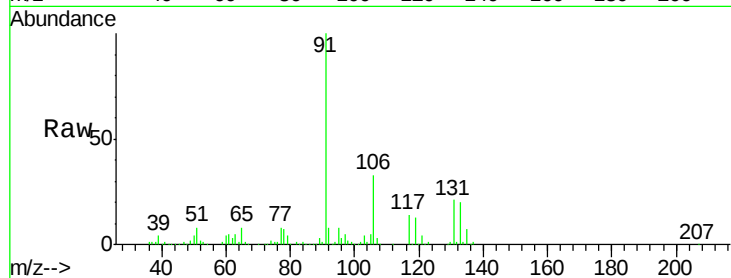
#67
Ethyl Benzene
Concen: 46.460 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 887129
Ion Ratio Lower Upper
91 100
106 32.7 25.6 38.4

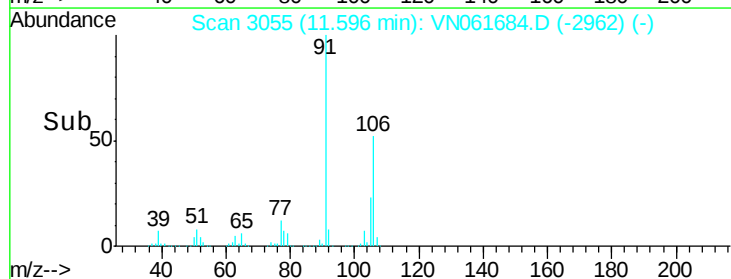
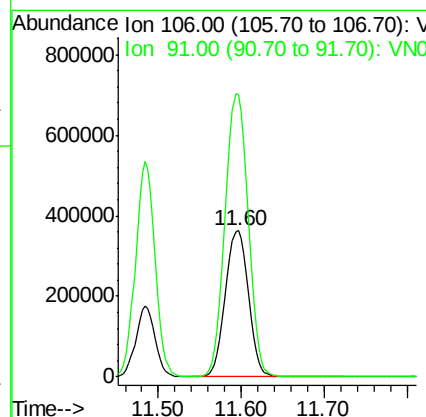
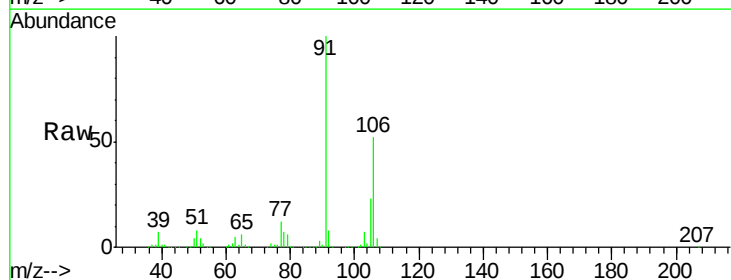
Manual Integrations
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#68
m/p-Xylenes
Concen: 92.979 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion: 106 Resp: 703941
Ion Ratio Lower Upper
106 100
91 193.8 156.2 234.4





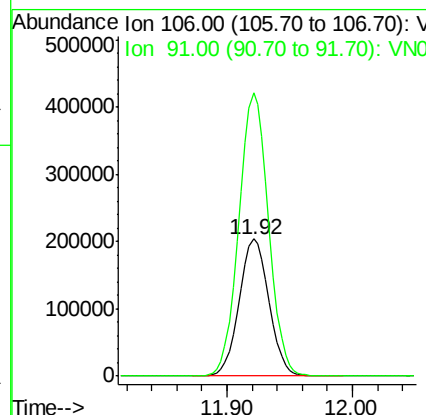
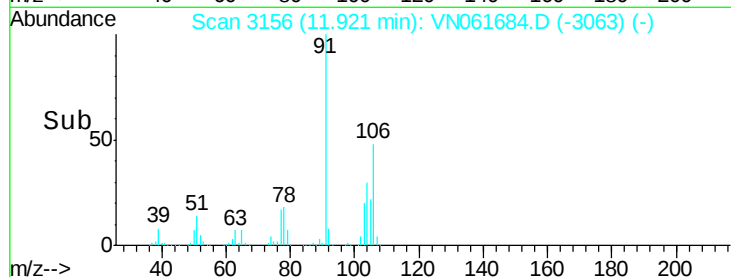
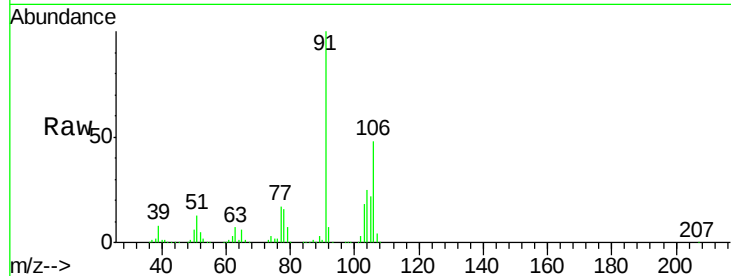
#69
o-Xylene
Concen: 46.942 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	204.5	103.3	309.8		

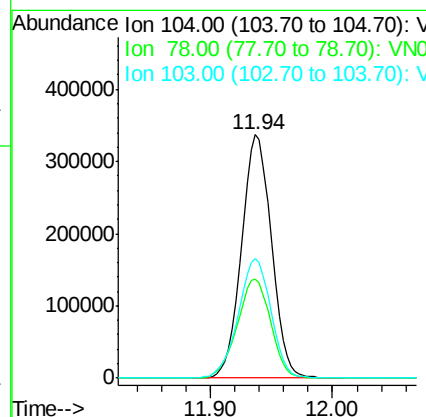
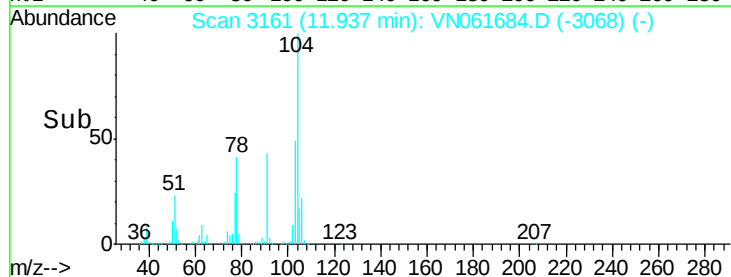
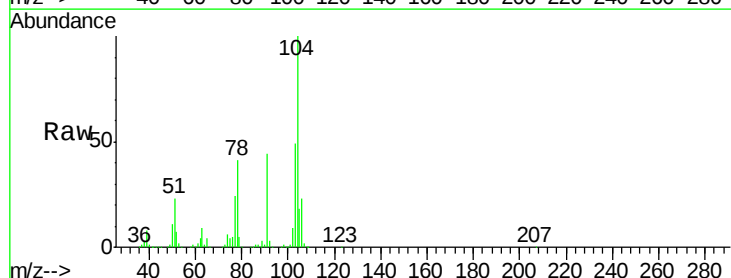
Manual Integrations
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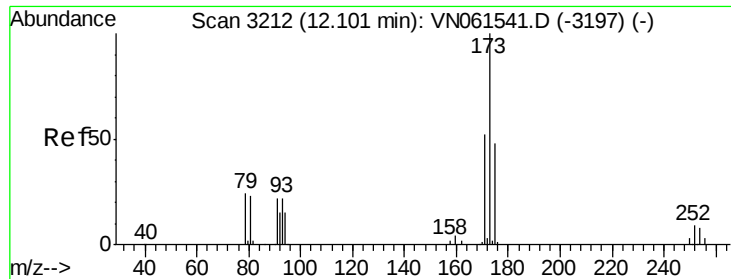
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#70
Styrene
Concen: 47.979 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.8	37.4	56.0		
103	54.0	42.3	63.5		





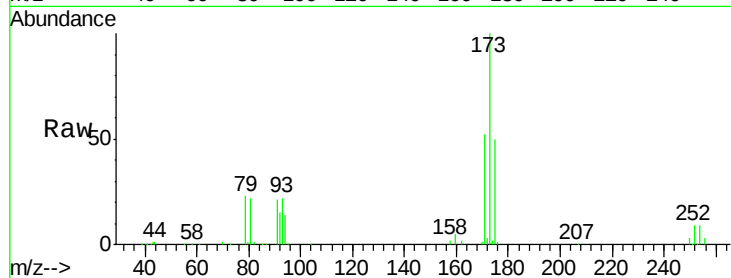
#71
Bromoform
Concen: 47.813 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

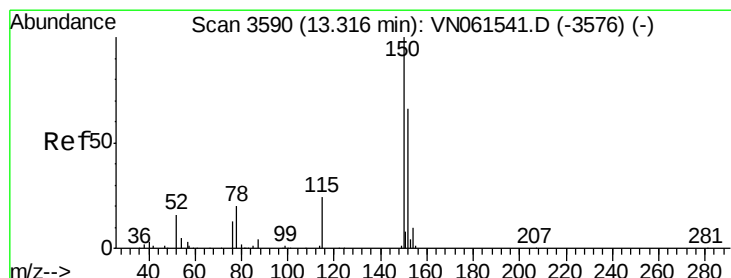
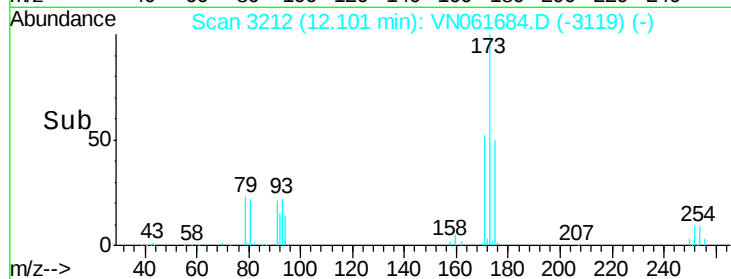
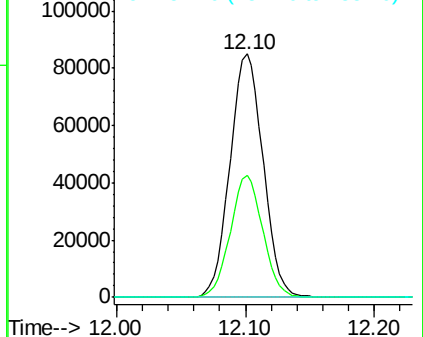
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.2
254	0.0	0.0	0.0

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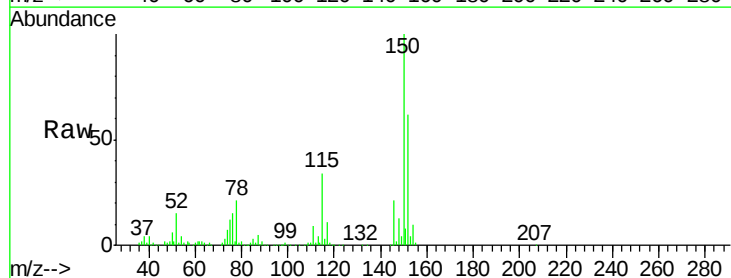


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

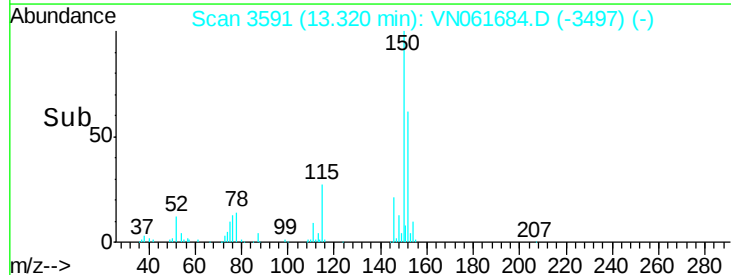
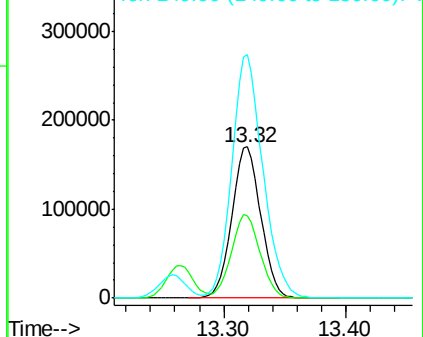


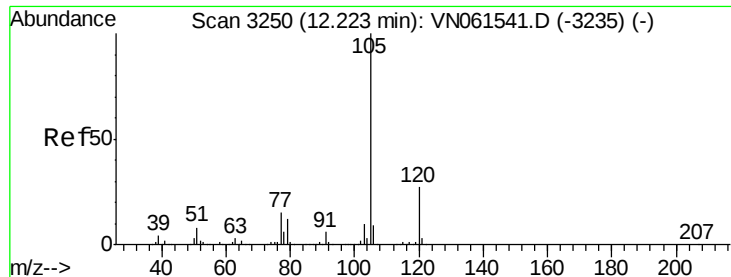
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.0	84.0
150	172.7	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: 44.099 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 897350

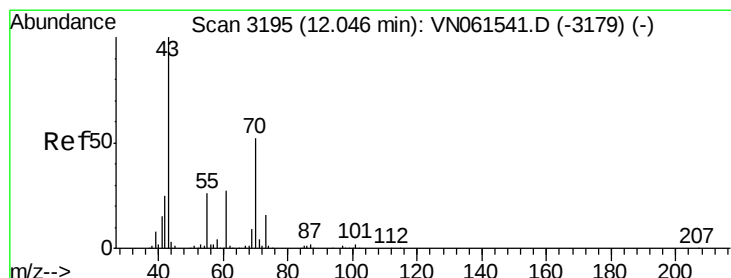
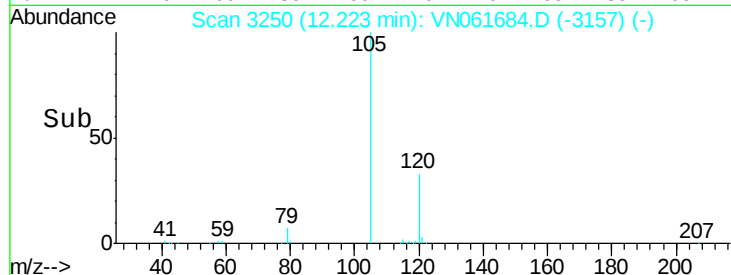
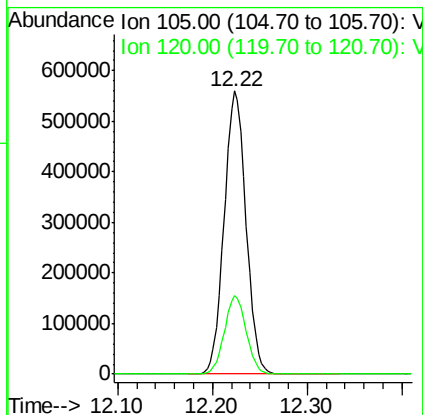
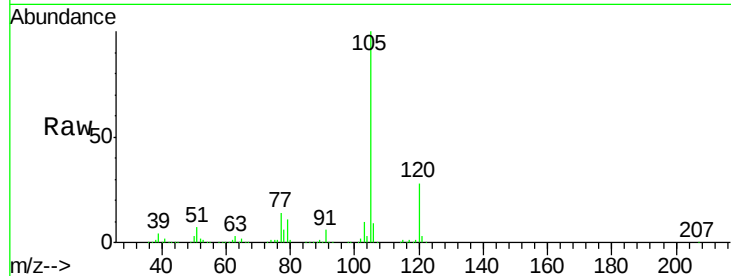
Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3

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#74

N-ethyl acetate

Concen: 39.451 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion: 43 Resp: 252810

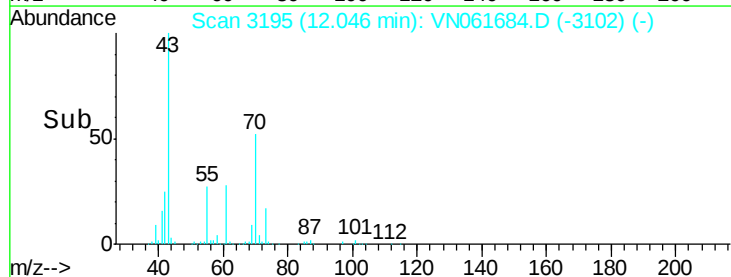
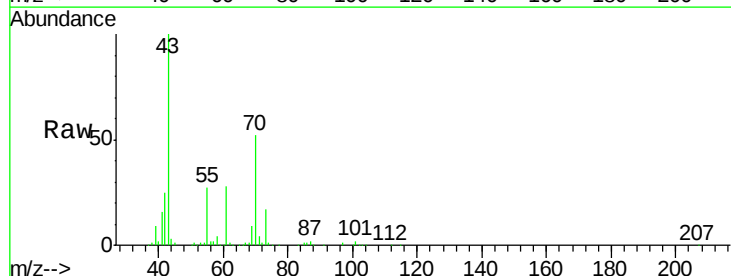
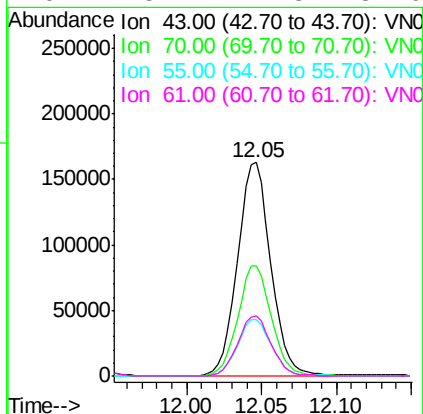
Ion Ratio Lower Upper

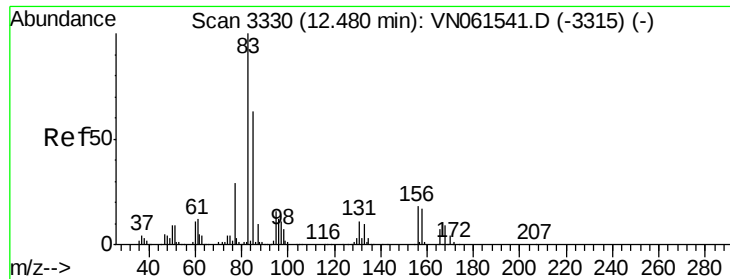
43 100

70 52.2 40.5 60.7

55 27.3 20.6 31.0

61 28.4 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 41.400 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

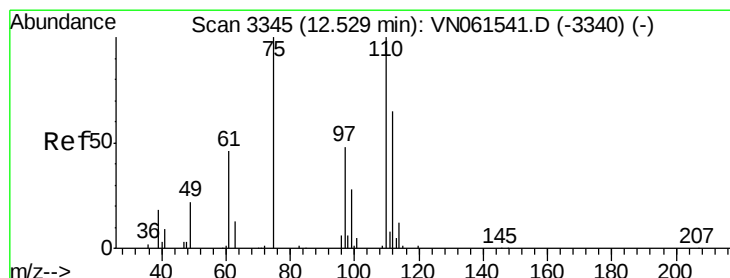
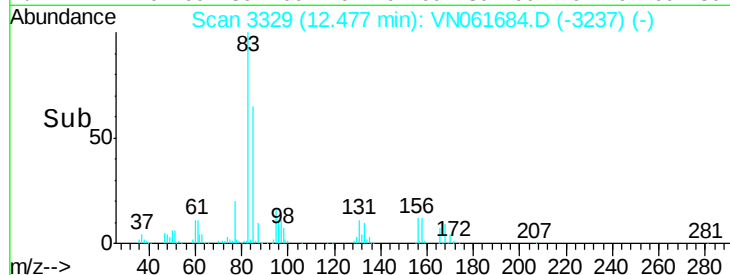
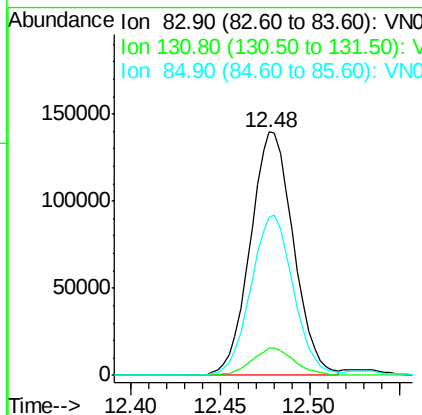
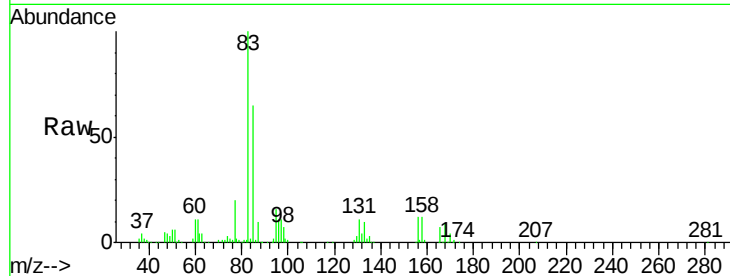
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	236075
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.5
85	65.0	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 40.645 ug/l m

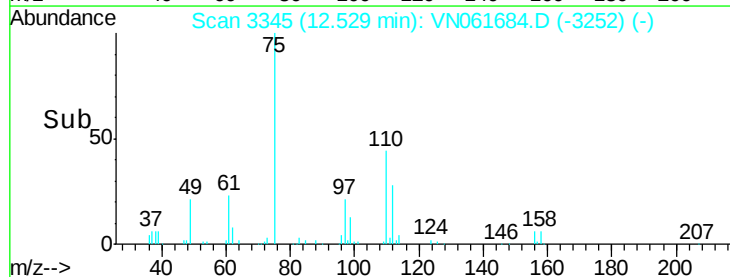
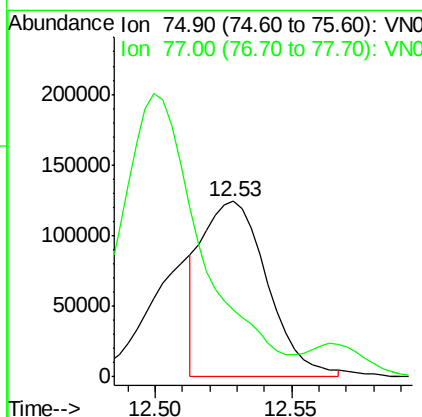
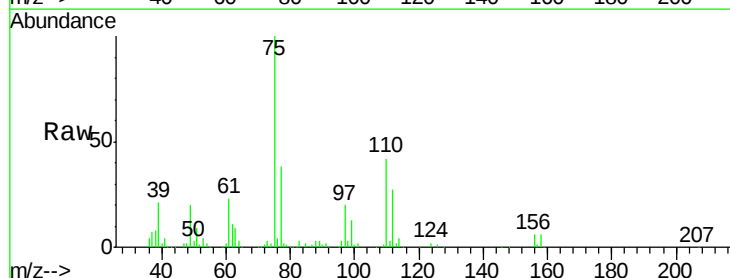
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion:	75	Resp:	206058
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 45.820 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 237998

Ion Ratio Lower Upper

156 100

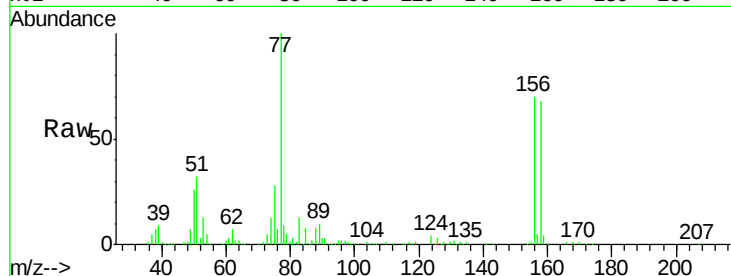
77 173.0 90.9 272.7

158 96.8 48.4 145.3

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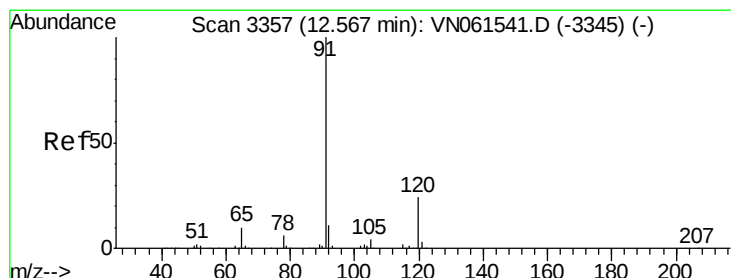
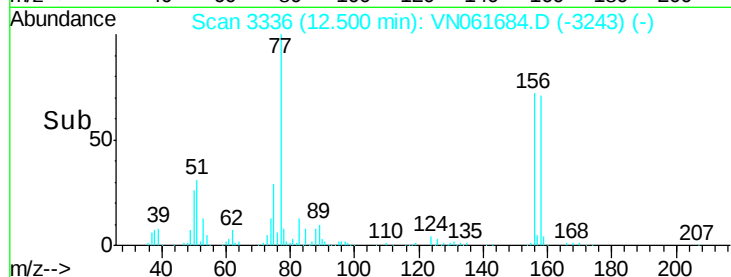
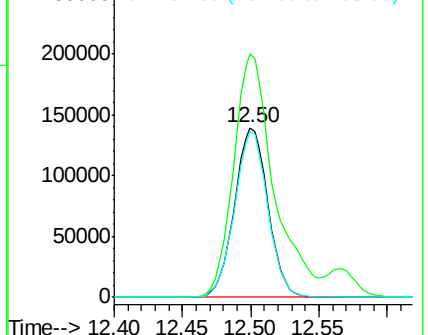
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.062 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061684.D

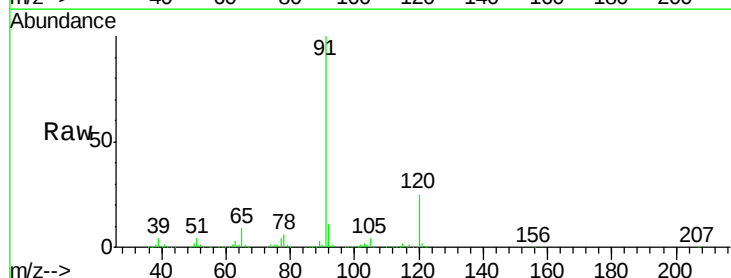
Acq: 5 Jun 2020 20:58

Tgt Ion: 91 Resp: 1000946

Ion Ratio Lower Upper

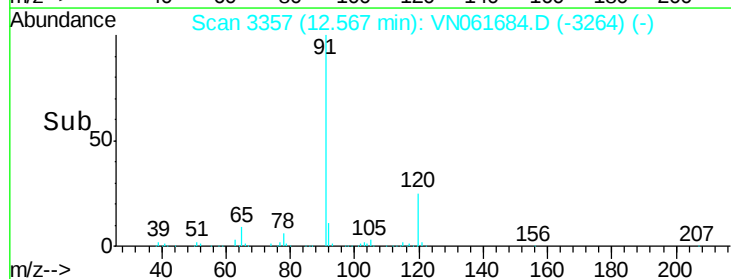
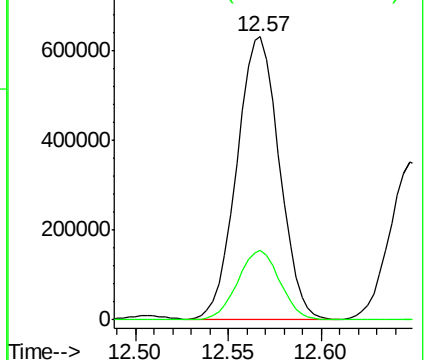
91 100

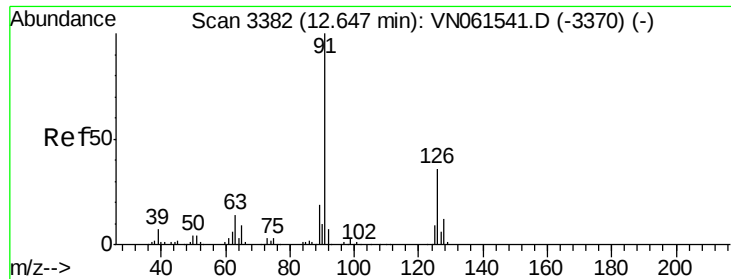
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.102 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 583849

Ion Ratio Lower Upper

91 100

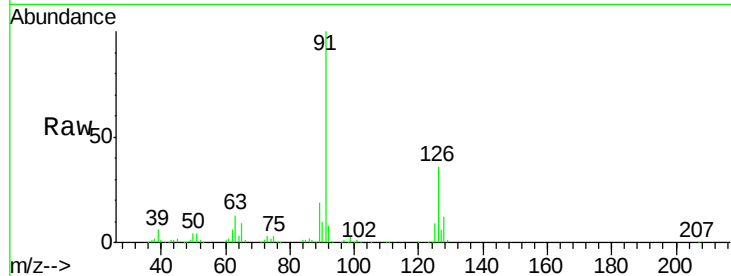
126 36.7 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VN061684.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061684.D (-3382) (-)

600000

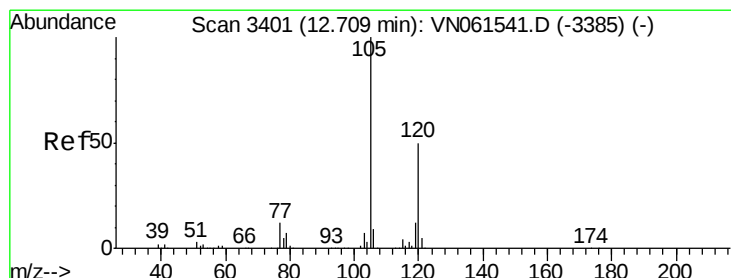
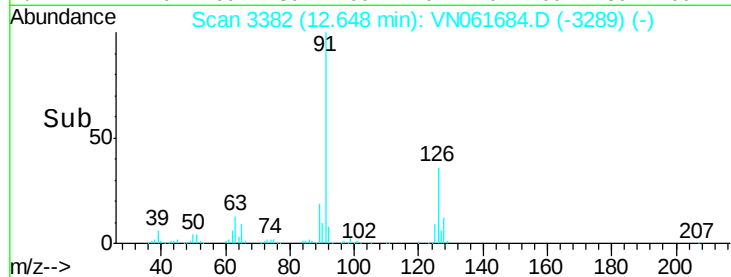
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.071 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061684.D

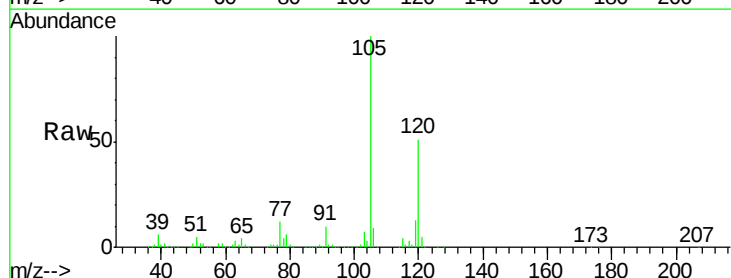
Acq: 5 Jun 2020 20:58

Tgt Ion: 105 Resp: 749557

Ion Ratio Lower Upper

105 100

120 50.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061684.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061684.D (-3401) (-)

500000

400000

300000

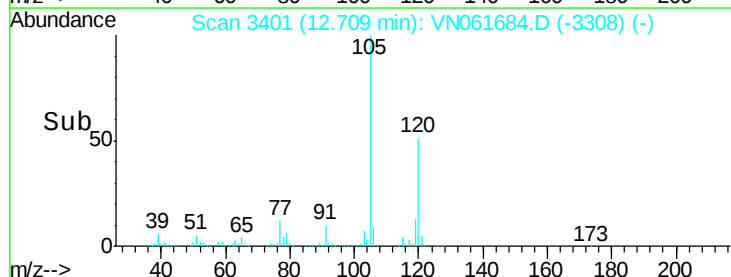
200000

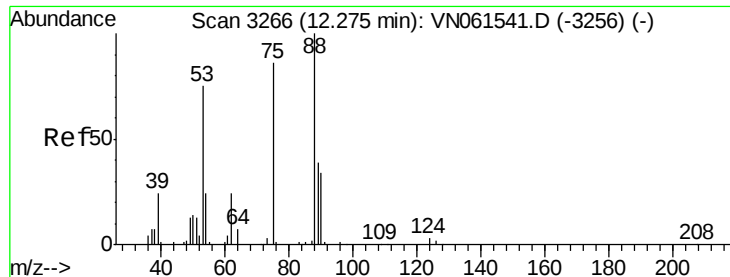
100000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 37.713 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

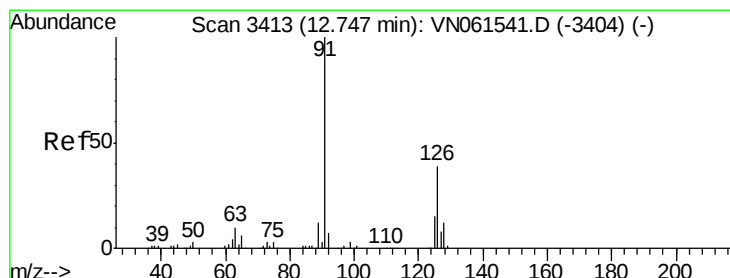
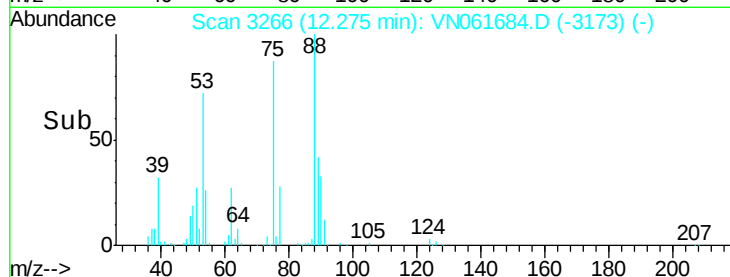
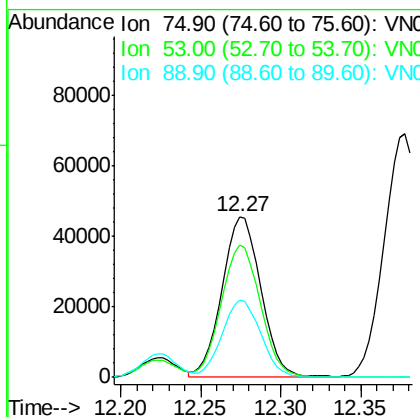
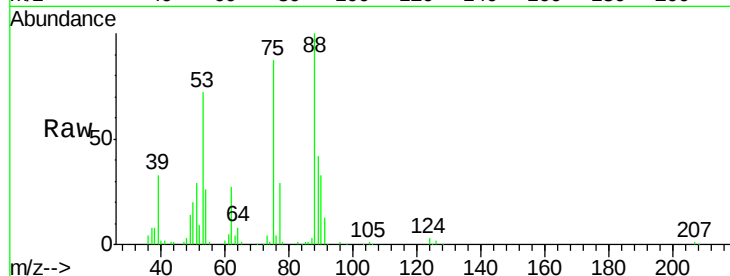
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	74764
Ion	Ratio	Lower	Upper
75	100		
53	85.2	67.8	101.8
89	48.5	37.1	55.7

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#82

4-Chlorotoluene

Concen: 43.272 ug/l

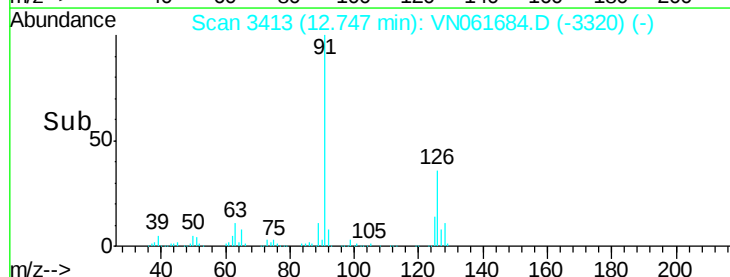
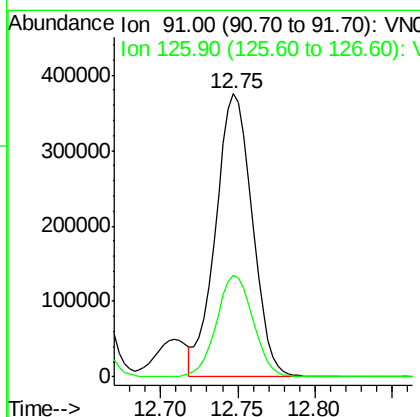
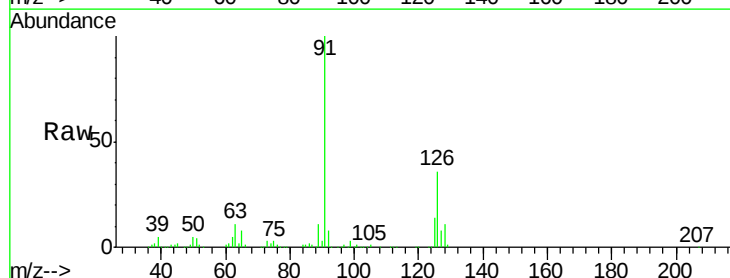
RT: 12.75 min Scan# 3413

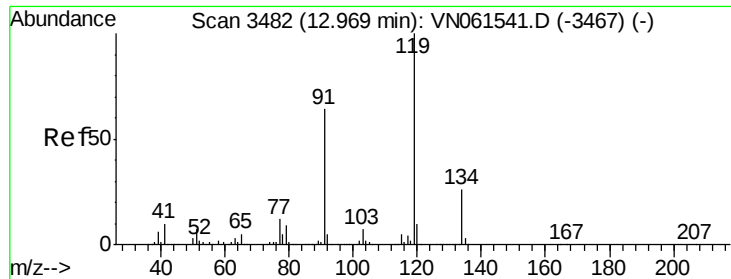
Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion:	91	Resp:	616632
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.6





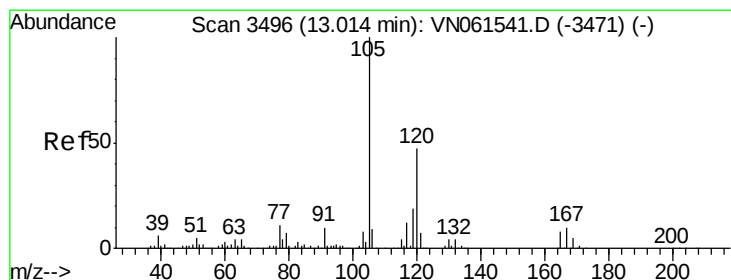
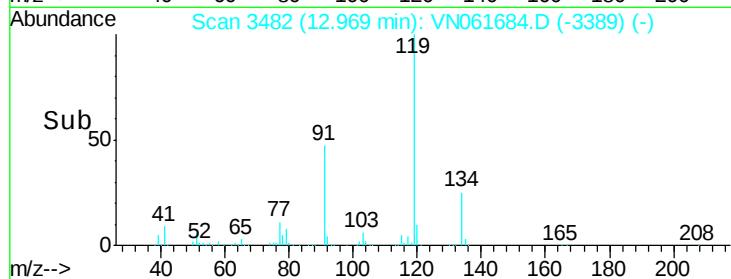
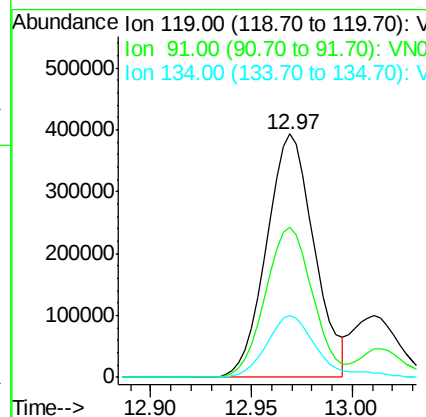
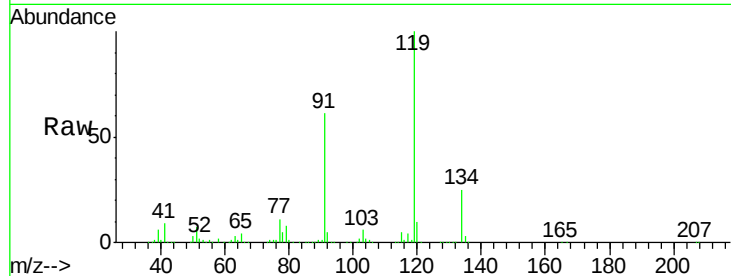
#83
 tert-Butylbenzene
 Concen: 42.951 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.3	93.8
134	26.8	13.5	40.4

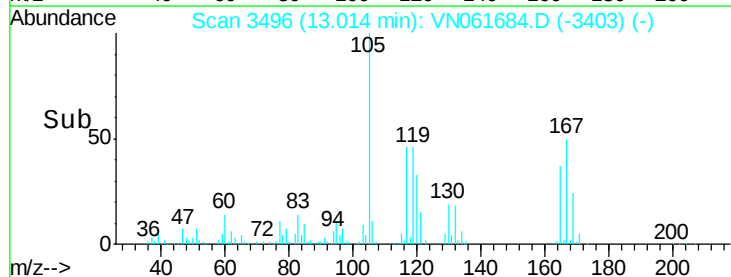
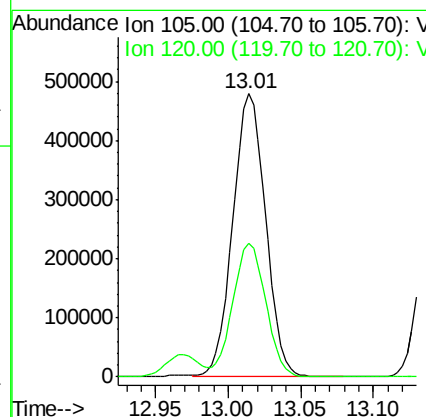
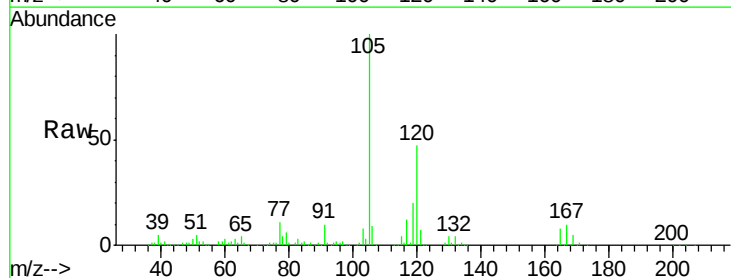
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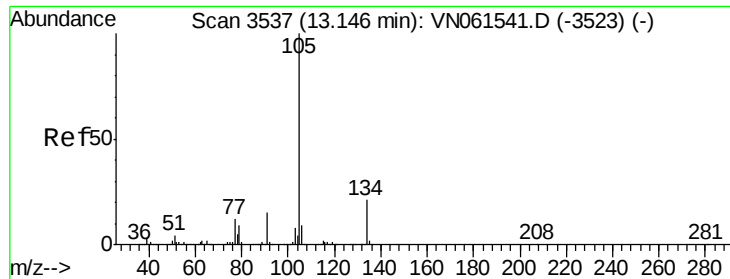
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.301 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.2	69.5





#85

sec-Butylbenzene

Concen: 42.789 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 828547

Ion Ratio Lower Upper

105 100

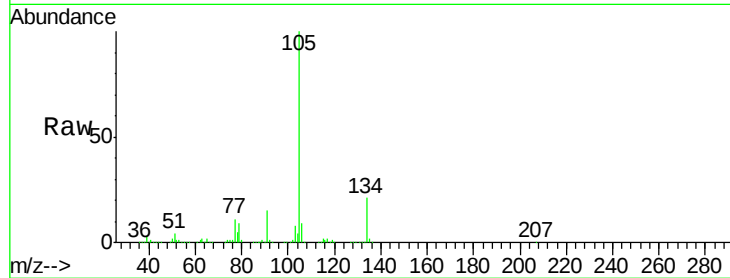
134 21.1 10.7 31.9

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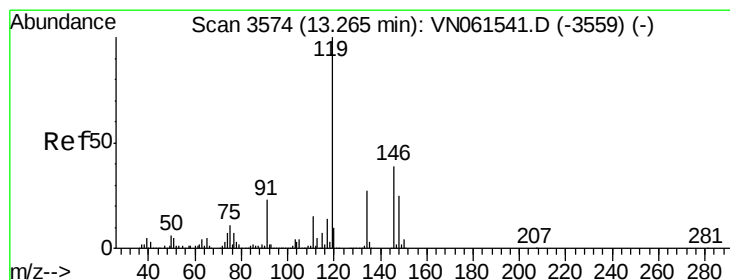
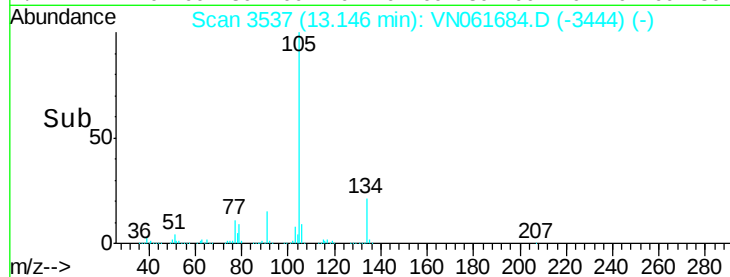
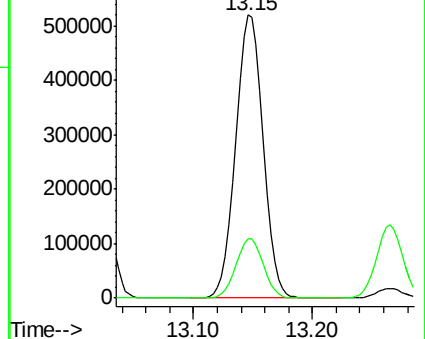
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.533 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

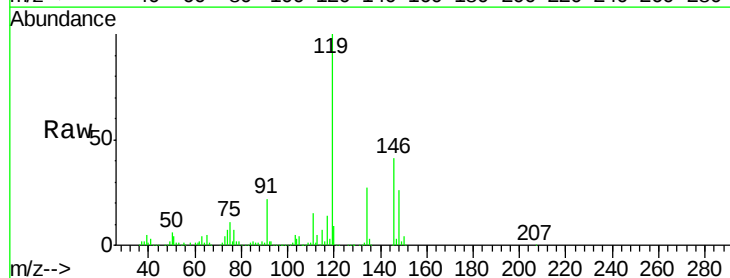
Tgt Ion:119 Resp: 776305

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

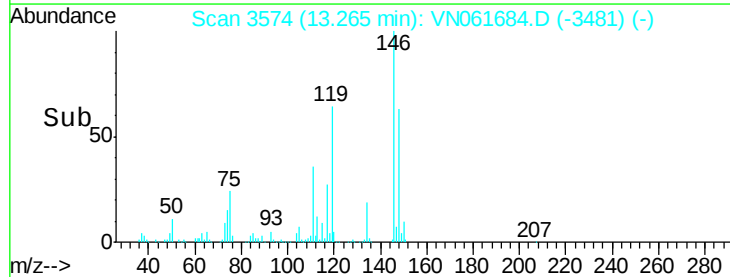
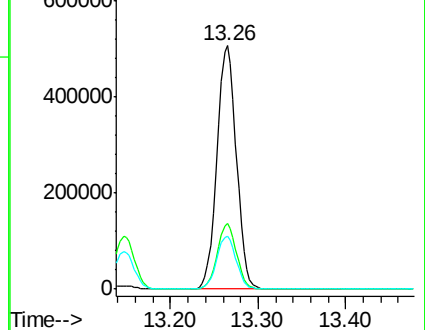
91 21.8 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.832 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

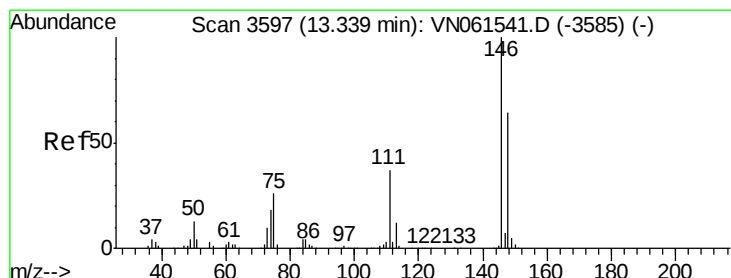
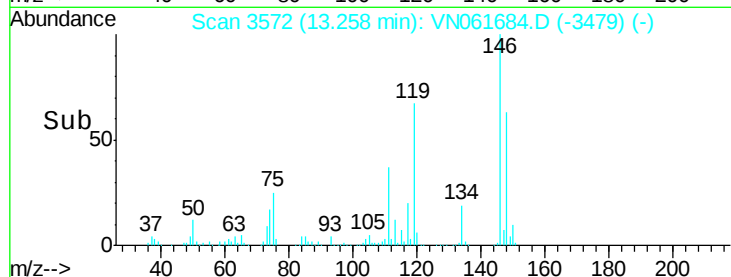
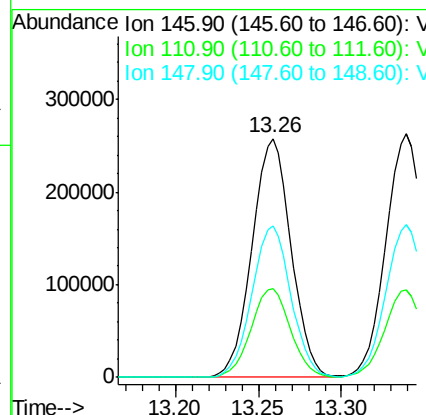
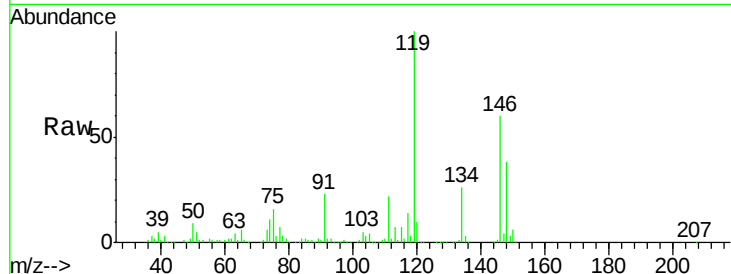
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	421560
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.2	57.6
148	63.4	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 45.567 ug/l

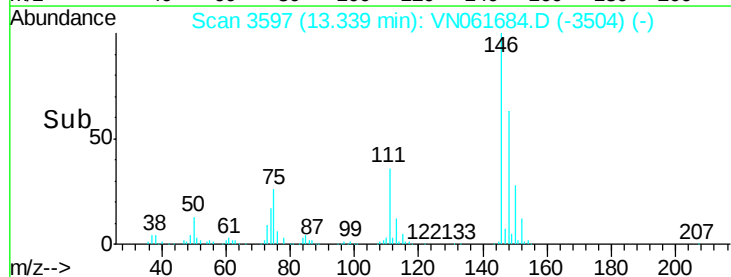
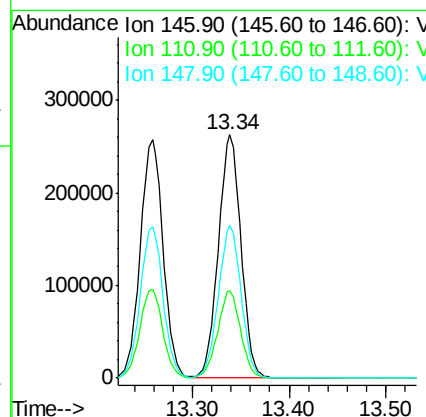
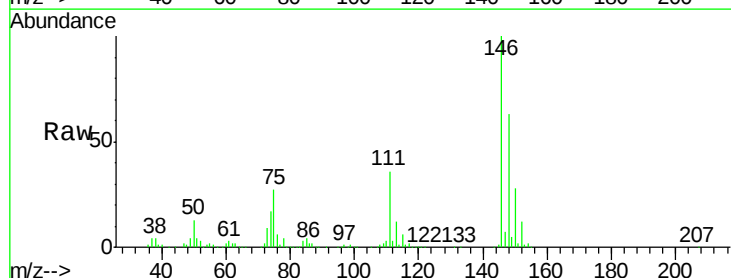
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion:	146	Resp:	426970
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.9	56.9
148	63.0	31.8	95.3





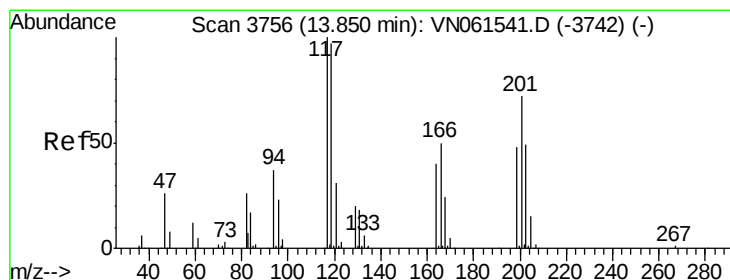
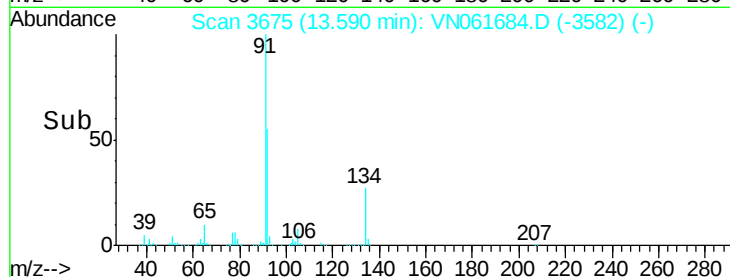
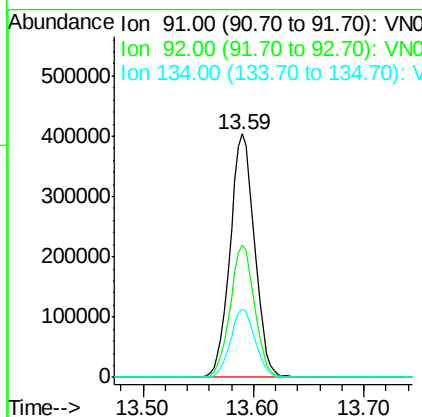
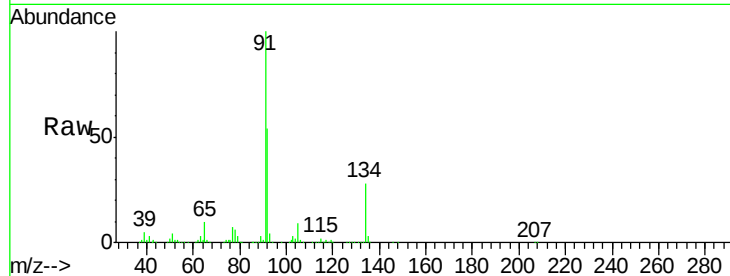
#89
n-Butylbenzene
Concen: 41.661 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.6
134	28.2	14.0	42.0

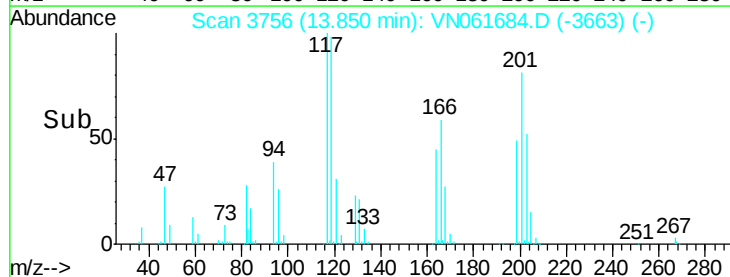
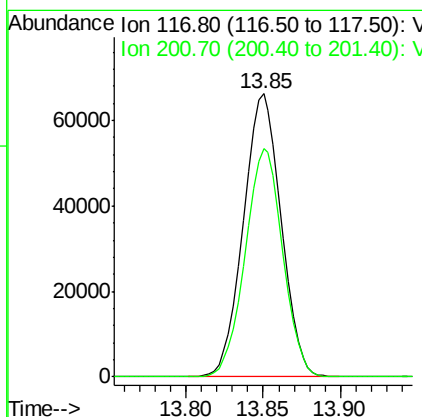
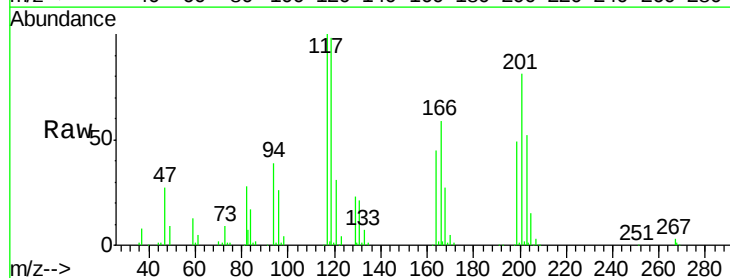
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#90
Hexachloroethane
Concen: 57.048 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061684.D
Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	36.7	110.1





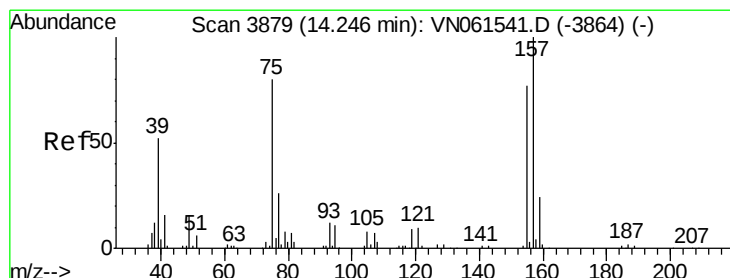
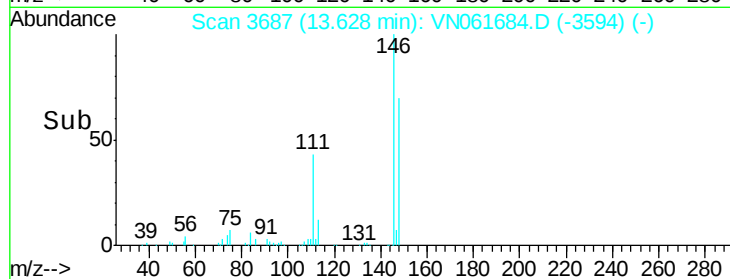
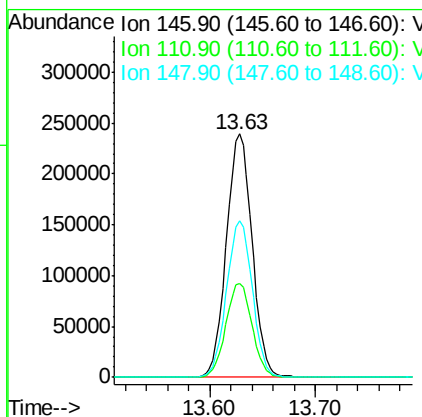
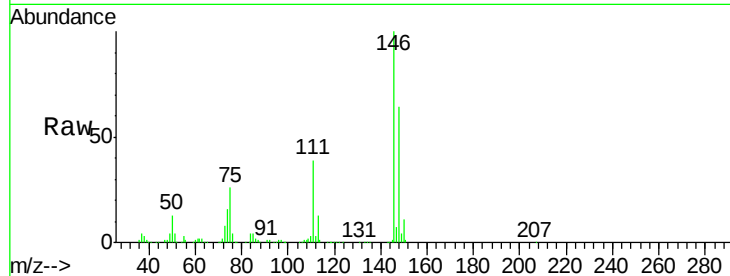
#91
 1,2-Dichlorobenzene
 Concen: 45.891 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.1	60.2
148	64.6	31.9	95.5

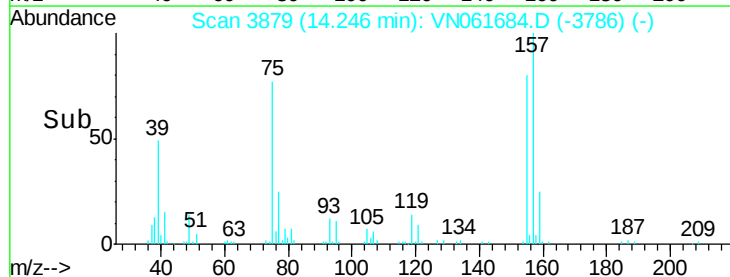
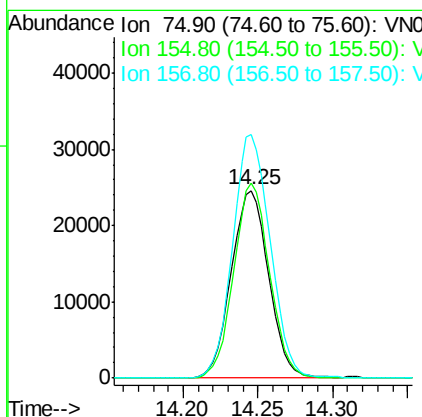
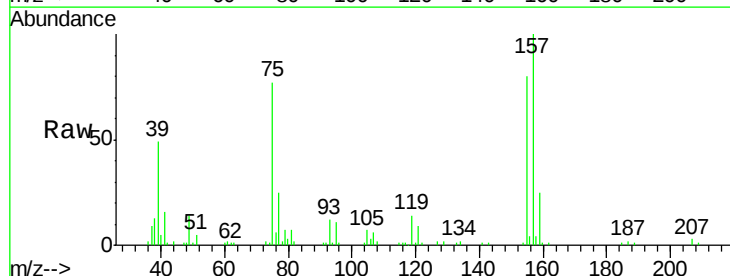
Manual Integrations
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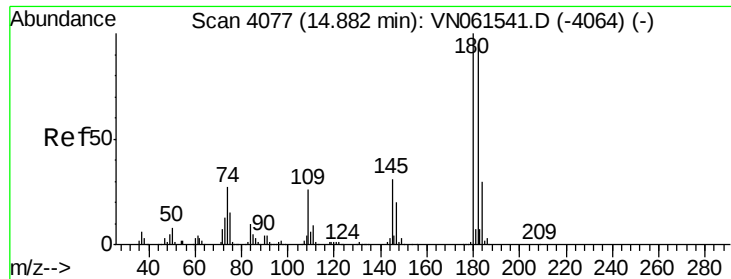
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.819 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	47.1	141.4
157	130.6	60.3	180.8





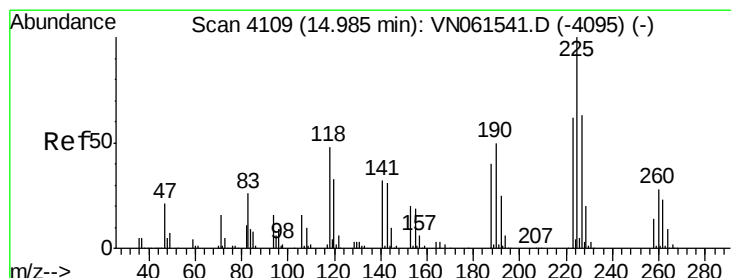
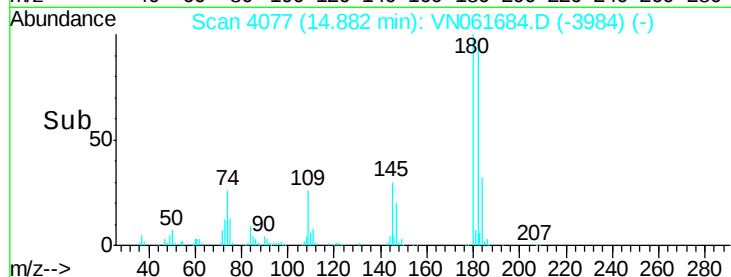
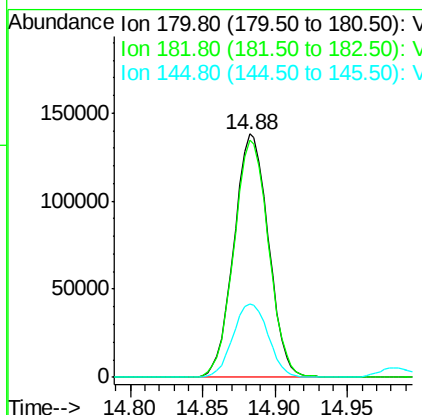
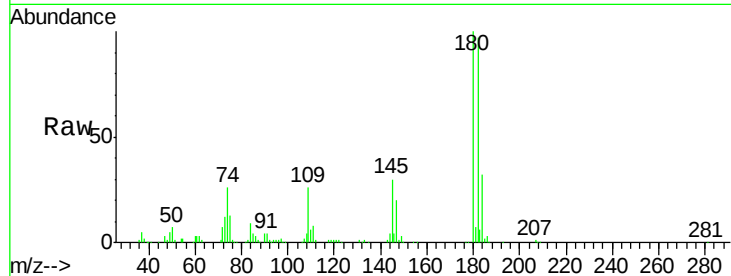
#93
 1,2,4-Trichlorobenzene
 Concen: 44.425 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	228378		
182	97.9	47.8	143.3	
145	30.9	15.5	46.5	

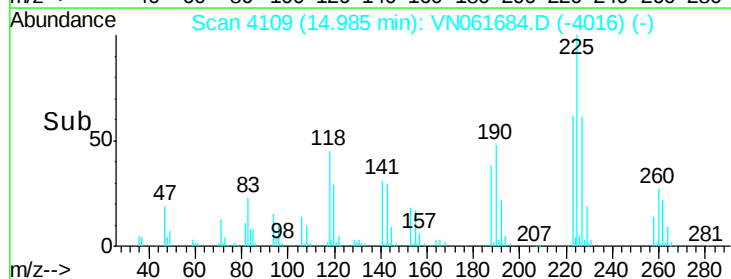
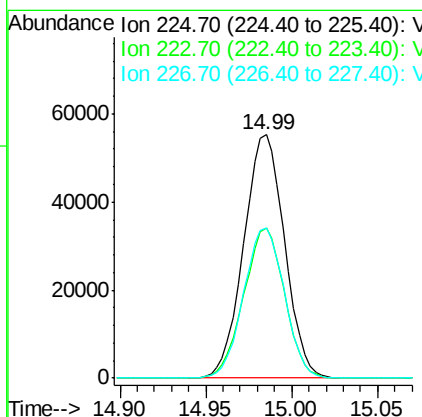
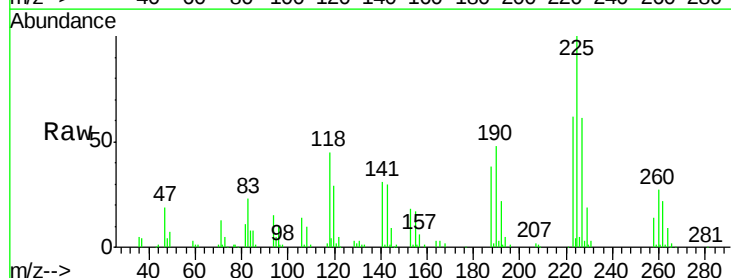
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#94
 Hexachlorobutadiene
 Concen: 41.560 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061684.D
 Acq: 5 Jun 2020 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91119		
223	61.6	31.9	95.5	
227	61.6	31.9	95.9	





#95

Naphthalene

Concen: 42.448 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Instrument :

MSVOA_N

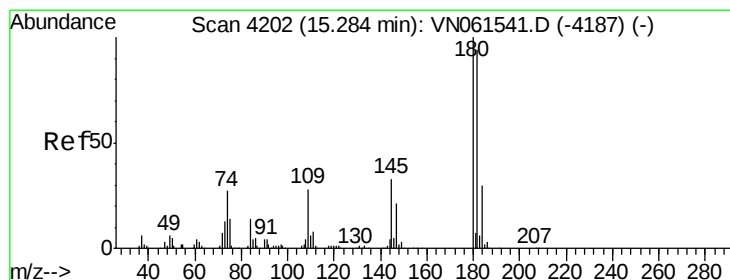
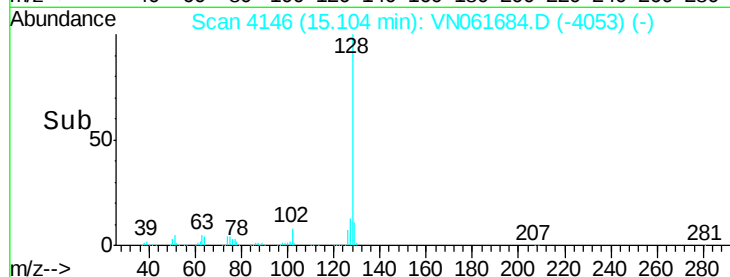
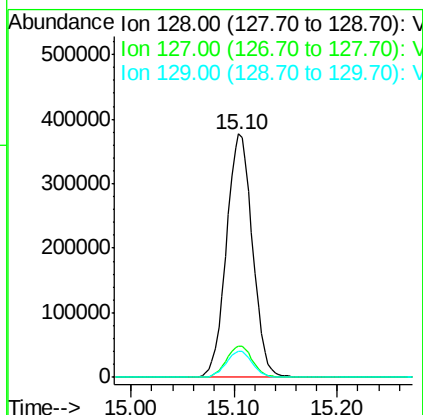
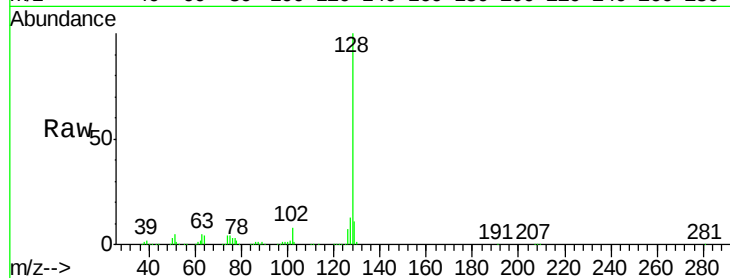
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	664185
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/8/2020 11:49:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.843 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061684.D

Acq: 5 Jun 2020 20:58

Tgt Ion:	180	Resp:	226655
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.1	141.3
145	31.9	16.3	48.9

