

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\
 Data File : VN062670.D
 Acq On : 30 Jul 2020 15:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 11:56:55 AM

Quant Time: Jul 31 05:14:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	170622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	268048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	129152	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	7.54	113	85569	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.06	98	336312	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.37	95	129505	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	94221	46.296	ug/l 98
3) Chloromethane	2.03	50	104082	37.706	ug/l 98
4) Vinyl Chloride	2.16	62	97099	40.577	ug/l 100
5) Bromomethane	2.52	94	51262	48.366	ug/l 99
6) Chloroethane	2.66	64	54349	50.210	ug/l 100
7) Trichlorofluoromethane	2.98	101	150390	53.527	ug/l 99
8) Diethyl Ether	3.37	74	59207	45.064	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	91755	50.936	ug/l 99
10) Methyl Iodide	3.91	142	112845	49.000	ug/l 96
11) Tert butyl alcohol	4.73	59	77035	182.700	ug/l 99
12) 1,1-Dichloroethene	3.69	96	83993	45.975	ug/l 98
13) Acrolein	3.56	56	67071	155.820	ug/l 99
14) Allyl chloride	4.27	41	167036	42.268	ug/l 93
15) Acrylonitrile	4.92	53	242290	214.536	ug/l 100
16) Acetone	3.77	43	217897	218.462	ug/l 100
17) Carbon Disulfide	4.00	76	247130	41.170	ug/l 100
18) Methyl Acetate	4.27	43	110352	43.703	ug/l 97
19) Methyl tert-butyl Ether	4.98	73	324637	48.279	ug/l 99
20) Methylene Chloride	4.50	84	104142	43.534	ug/l 96
21) trans-1,2-Dichloroethene	4.98	96	91655	45.202	ug/l 99
22) Diisopropyl ether	5.89	45	351200	44.709	ug/l 97
23) Vinyl Acetate	5.83	43	1436139	223.128	ug/l 98
24) 1,1-Dichloroethane	5.79	63	195545	46.228	ug/l 99
25) 2-Butanone	6.78	43	315088	207.427	ug/l 96
26) 2,2-Dichloropropane	6.77	77	173498	49.964	ug/l 99
27) cis-1,2-Dichloroethene	6.77	96	106814	46.165	ug/l 99
28) Bromochloromethane	7.14	49	92599	44.482	ug/l 94
29) Tetrahydrofuran	7.16	42	208091	202.450	ug/l 95
30) Chloroform	7.32	83	194213	48.289	ug/l 97
31) Cyclohexane	7.61	56	163899	41.966	ug/l 94
32) 1,1,1-Trichloroethane	7.52	97	173558	51.687	ug/l 99
36) 1,1-Dichloropropene	7.74	75	146895	51.414	ug/l 98
37) Ethyl Acetate	6.88	43	136239	44.236	ug/l 99
38) Carbon Tetrachloride	7.73	117	152771	55.628	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	160613	52.222	ug/l	98
40) Benzene	8.00	78	414680	47.941	ug/l	99
41) Methacrylonitrile	7.12	41	61463	46.565	ug/l	94
42) 1,2-Dichloroethane	8.08	62	169456	53.586	ug/l	98
43) Isopropyl Acetate	8.12	43	229676	46.260	ug/l #	91
44) Trichloroethene	8.80	130	96744	49.596	ug/l	99
45) 1,2-Dichloropropane	9.08	63	115876	47.713	ug/l	97
46) Dibromomethane	9.17	93	71517	50.950	ug/l	97
47) Bromodichloromethane	9.37	83	160524	52.787	ug/l	100
48) Methyl methacrylate	9.16	41	111947	47.433	ug/l	98
49) 1,4-Dioxane	9.16	88	29669	818.480	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	683999	230.250	ug/l	100
52) Toluene	10.12	92	255047	50.779	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	176675	52.189	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	186876	51.445	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	98547	50.583	ug/l	97
56) Ethyl methacrylate	10.40	69	161960	46.428	ug/l	96
57) 1,3-Dichloropropane	10.68	76	179453	50.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	264117	250.488	ug/l	99
59) 2-Hexanone	10.72	43	487390	212.593	ug/l	99
60) Dibromochloromethane	10.87	129	116781	53.731	ug/l	99
61) 1,2-Dibromoethane	10.98	107	101137	49.853	ug/l	99
64) Tetrachloroethene	10.60	164	82302	50.232	ug/l	99
65) Chlorobenzene	11.40	112	263566	49.855	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	105077	52.834	ug/l	98
67) Ethyl Benzene	11.48	91	503840	51.979	ug/l	99
68) m/p-Xylenes	11.59	106	369808	106.145	ug/l	99
69) o-Xylene	11.92	106	175461	53.035	ug/l	99
70) Styrene	11.94	104	308369	55.177	ug/l	98
71) Bromoform	12.10	173	78654	52.672	ug/l #	96
73) Isopropylbenzene	12.22	105	491370	48.845	ug/l	99
74) N-amyl acetate	12.04	43	205714	45.790	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	145023	41.485	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	136987m	42.302	ug/l	
77) Bromobenzene	12.50	156	113375	46.897	ug/l	95
78) n-propylbenzene	12.56	91	587807	49.883	ug/l	100
79) 2-Chlorotoluene	12.65	91	345122	47.524	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	432365	51.814	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	53103	45.649	ug/l	94
82) 4-Chlorotoluene	12.75	91	364015	48.157	ug/l	99
83) tert-Butylbenzene	12.97	119	352087	50.813	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	422266	51.584	ug/l	98
85) sec-Butylbenzene	13.15	105	482032	51.963	ug/l	100
86) p-Isopropyltoluene	13.26	119	437093	54.784	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	206052	48.569	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	202903	48.584	ug/l	97
89) n-Butylbenzene	13.59	91	378494	55.211	ug/l	100
90) Hexachloroethane	13.85	117	80542	47.420	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	195654	48.231	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30056	47.355	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	102341	48.107	ug/l	98
94) Hexachlorobutadiene	14.98	225	66713	60.885	ug/l	99
95) Naphthalene	15.10	128	240574	43.083	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	99337	51.962	ug/l	99

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

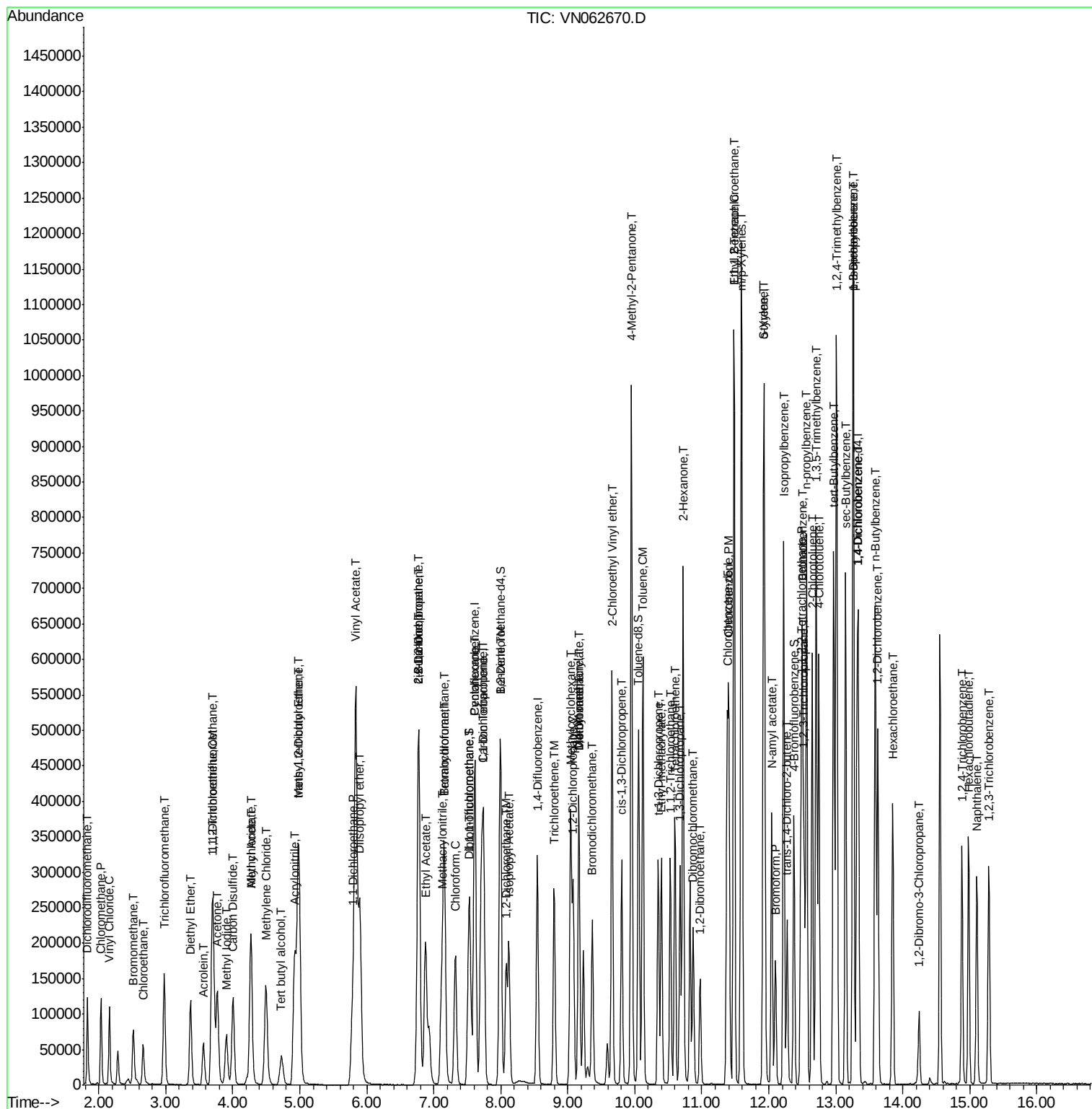
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN073020\
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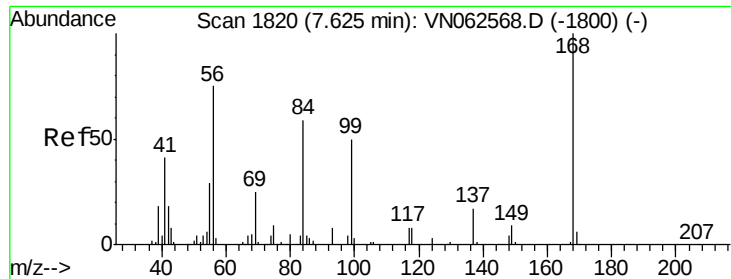
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 170622

Ion Ratio Lower Upper

168 100

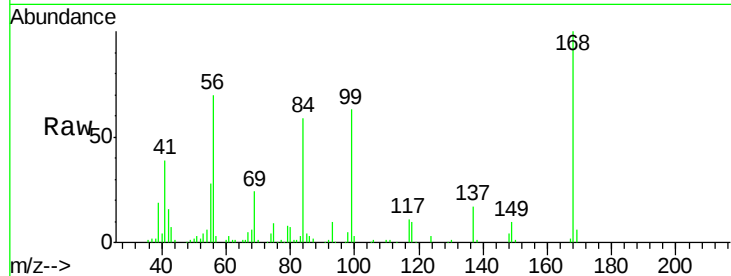
99 63.0 48.4 72.6

Manual Integrations

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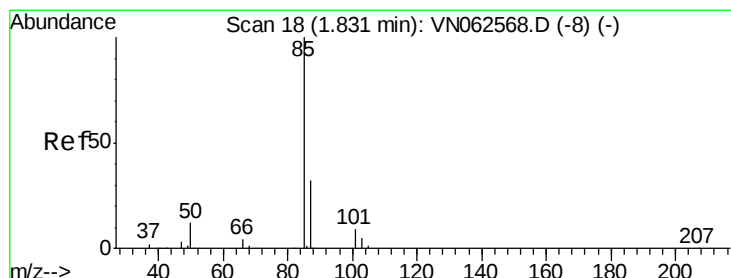
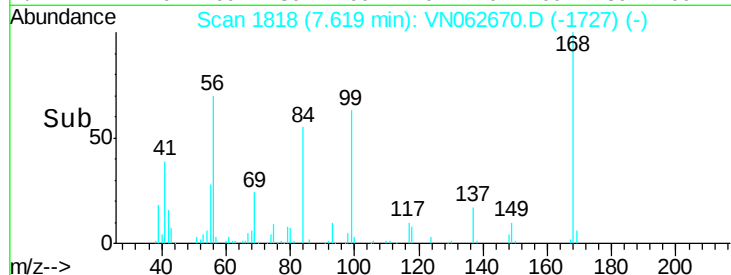
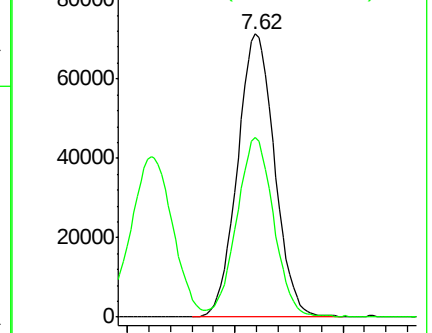
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.296 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062670.D

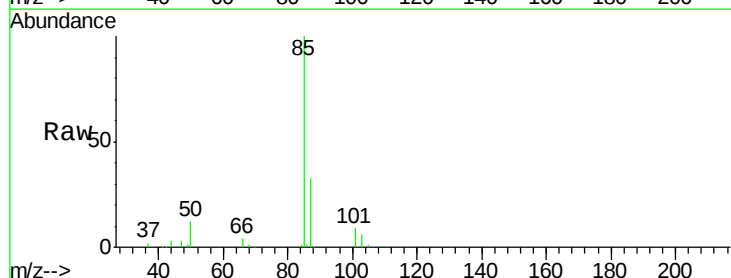
Acq: 30 Jul 2020 15:49

Tgt Ion: 85 Resp: 94221

Ion Ratio Lower Upper

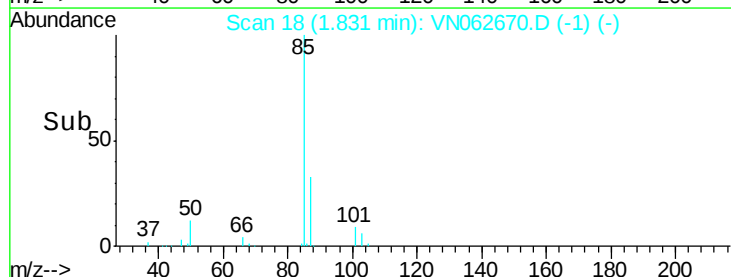
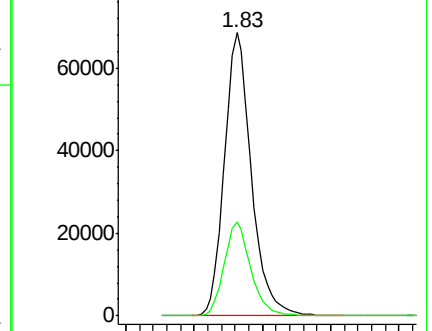
85 100

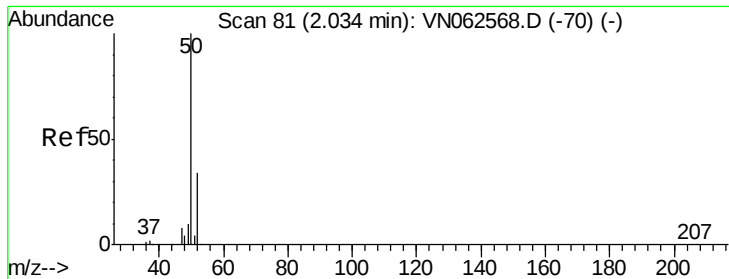
87 33.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 37.706 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 104082

Ion Ratio Lower Upper

50 100

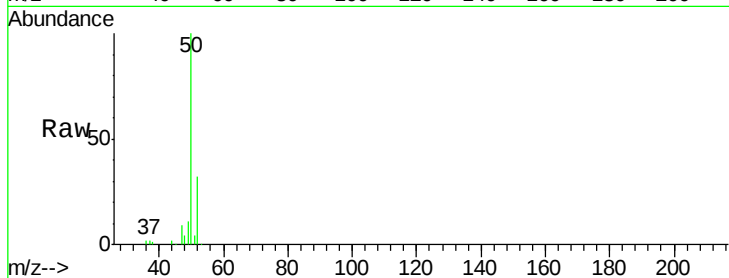
52 32.4 27.0 40.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

80000

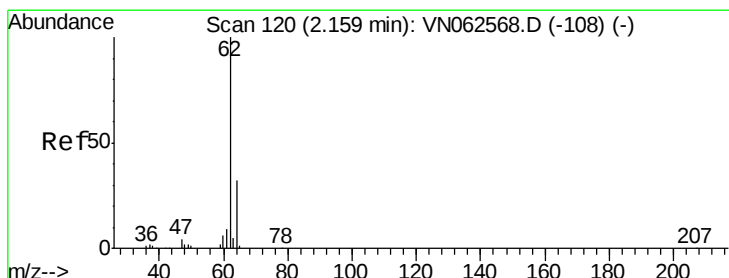
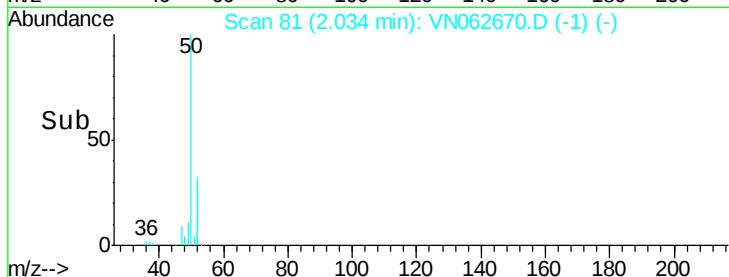
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 40.577 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062670.D

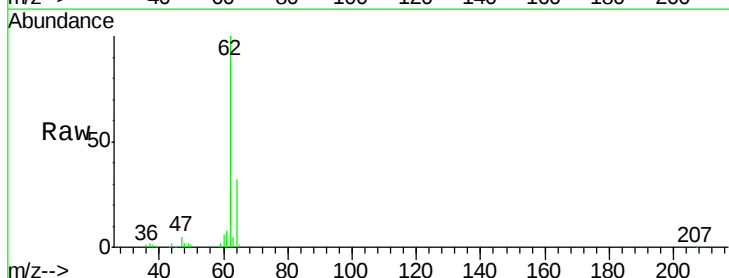
Acq: 30 Jul 2020 15:49

Tgt Ion: 62 Resp: 97099

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

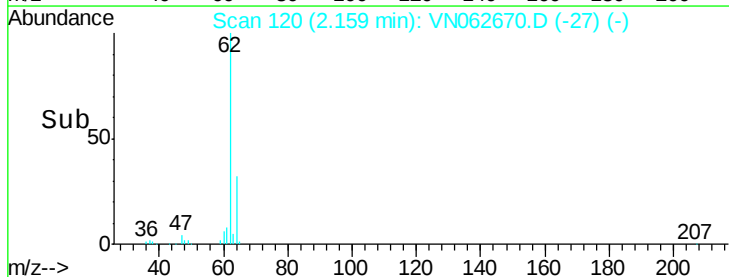
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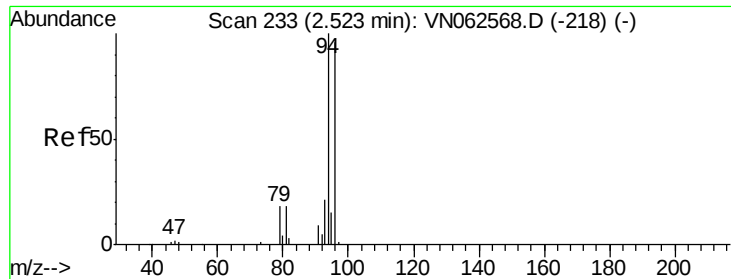
40000

20000

0

Time-->





#5

Bromomethane

Concen: 48.366 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 51262

Ion Ratio Lower Upper

94 100

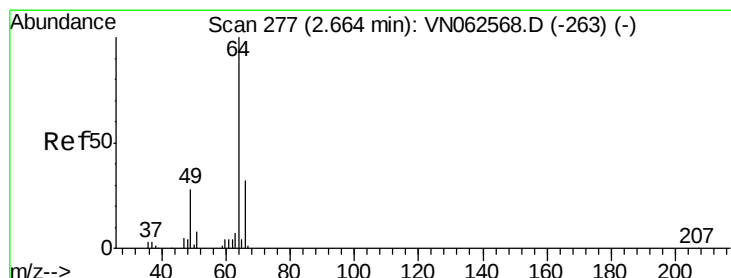
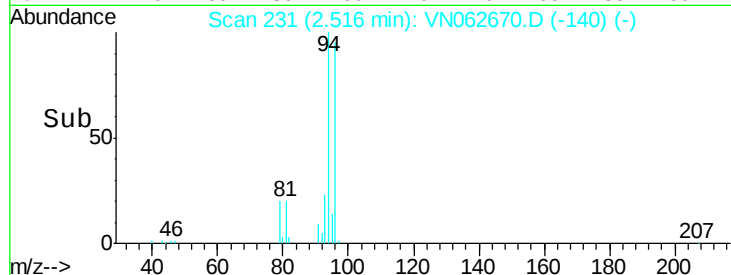
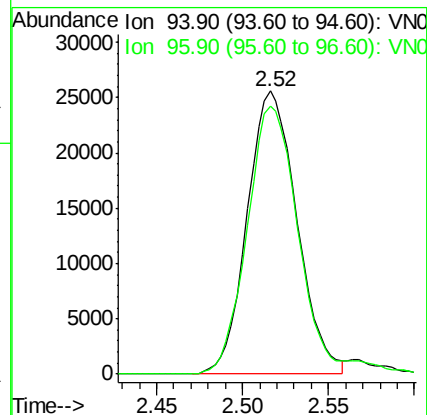
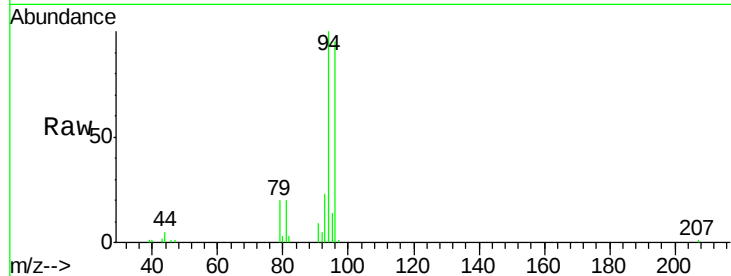
96 94.9 76.6 114.8

Manual Integrations

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#6

Chloroethane

Concen: 50.210 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062670.D

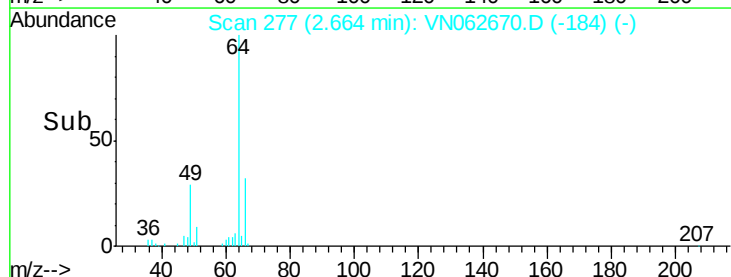
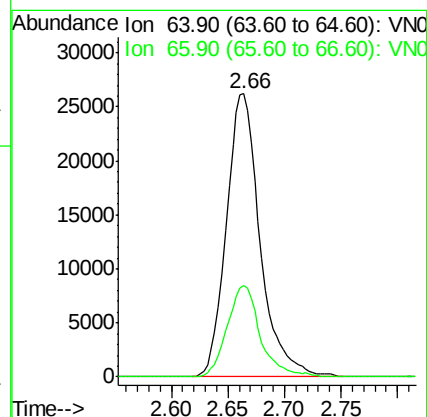
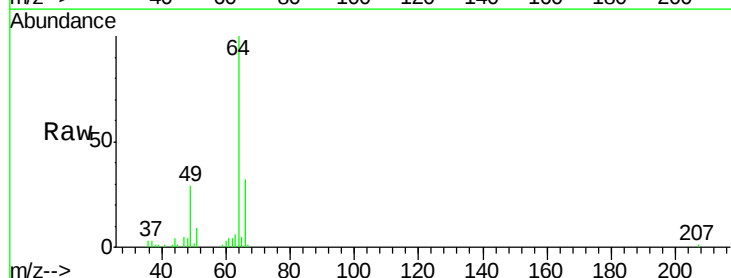
Acq: 30 Jul 2020 15:49

Tgt Ion: 64 Resp: 54349

Ion Ratio Lower Upper

64 100

66 32.5 25.8 38.8





#7

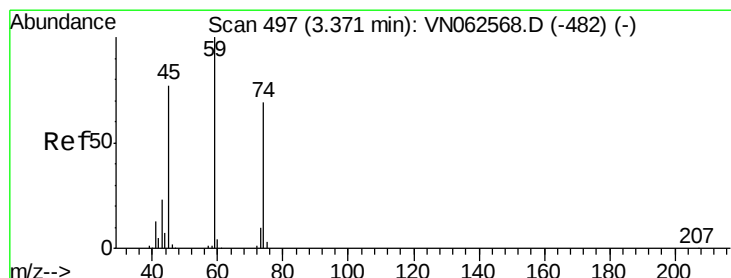
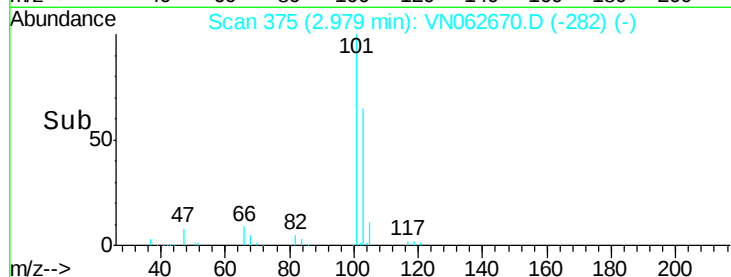
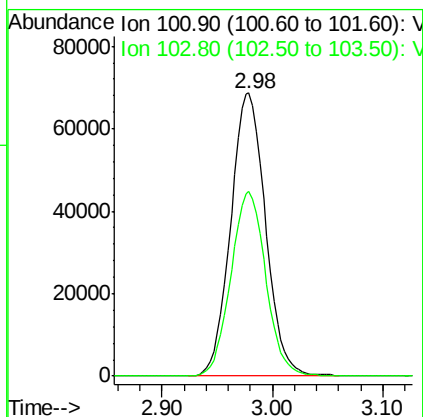
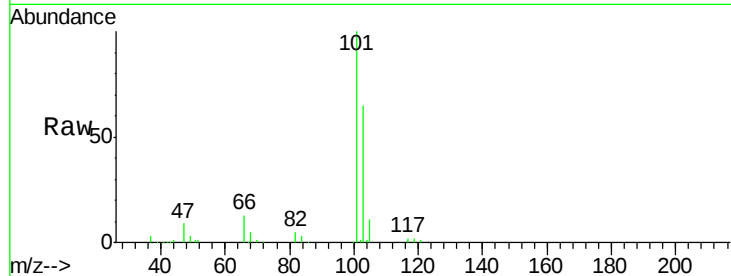
Trichlorofluoromethane
 Concen: 53.527 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.5	77.3

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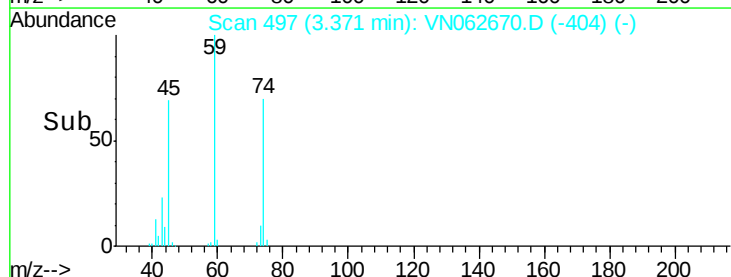
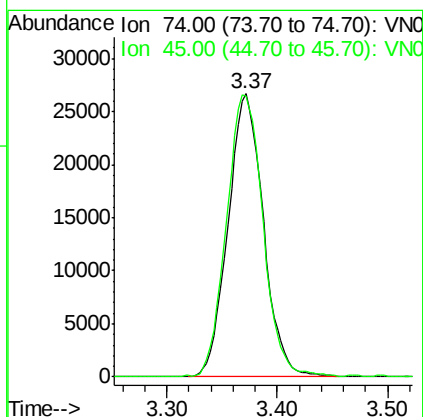
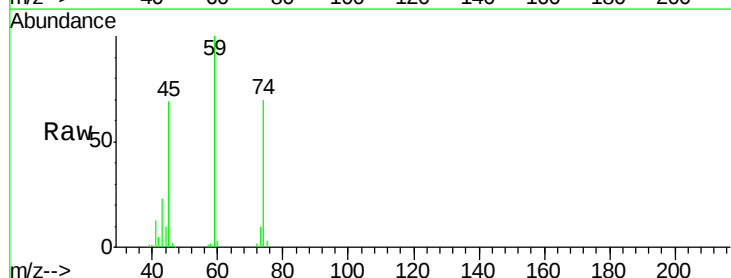
MMDadoda
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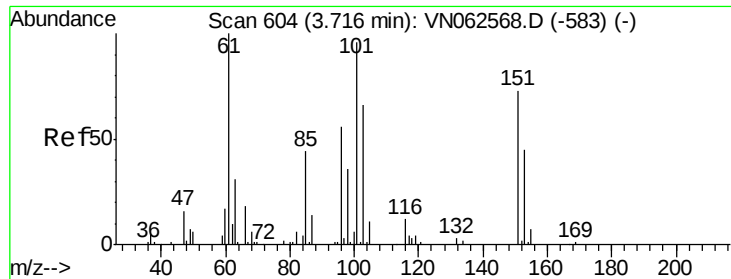


#8

Diethyl Ether
 Concen: 45.064 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.936 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

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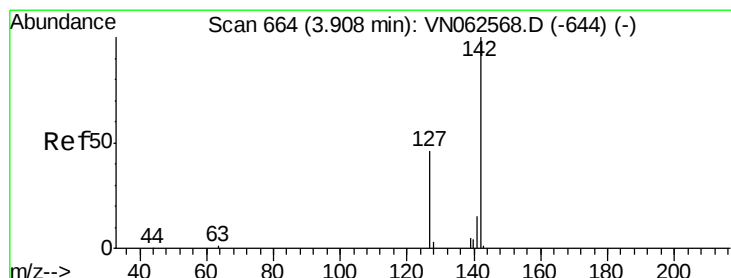
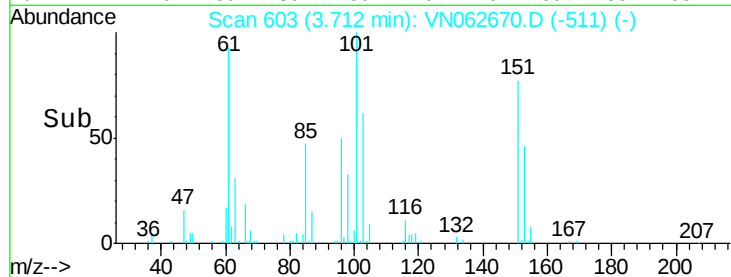
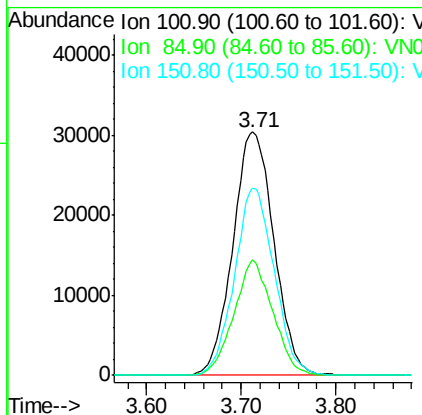
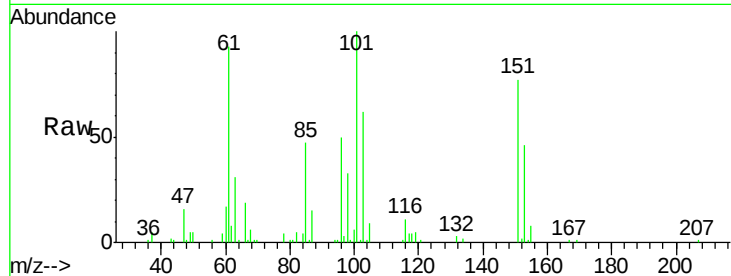
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	91755
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.0	54.0
151	74.2	60.0	90.0

Manual Integrations
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#10

Methyl Iodide

Concen: 49.000 ug/l

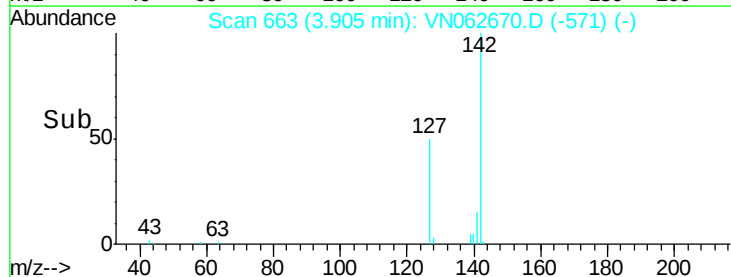
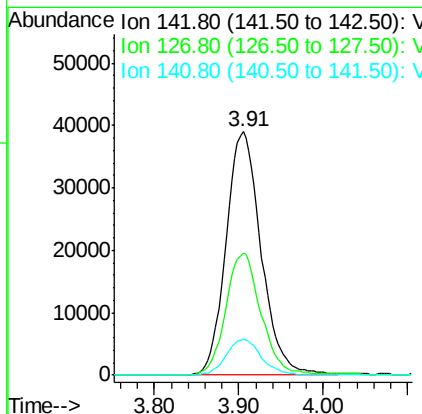
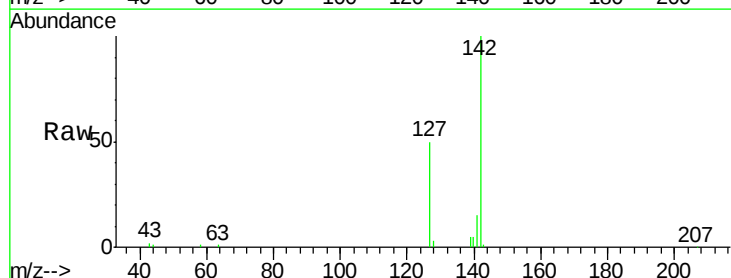
RT: 3.91 min Scan# 663

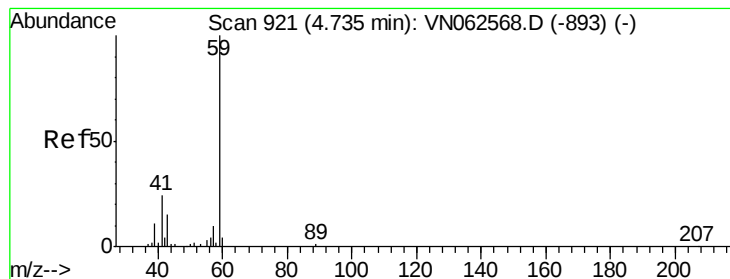
Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion:	142	Resp:	112845
Ion Ratio	Lower	Upper	
142	100		
127	50.1	37.4	56.0
141	14.6	11.9	17.9





#11

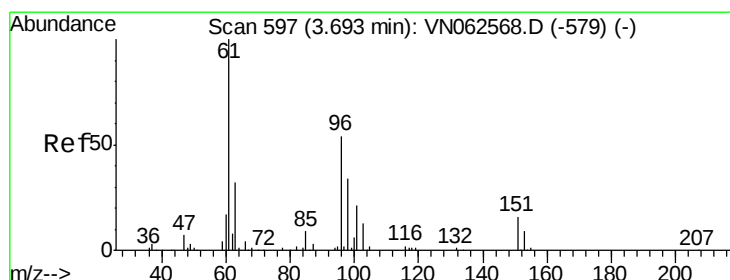
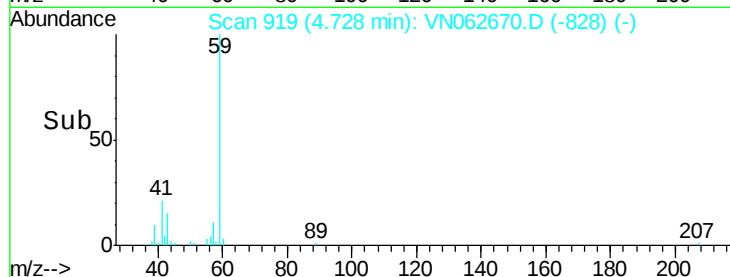
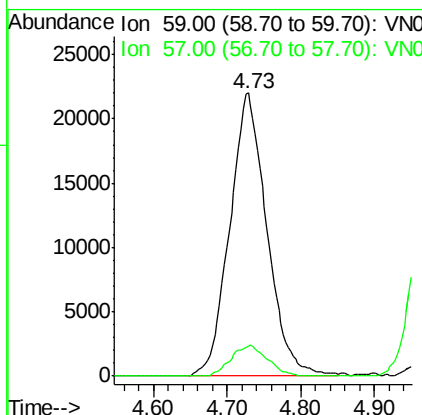
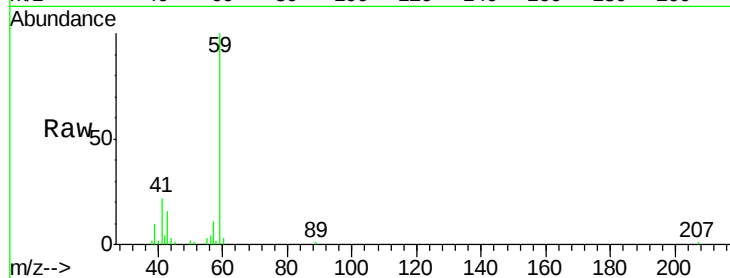
Tert butyl alcohol
 Concen: 182.700 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	77035
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.2

Manual Integrations
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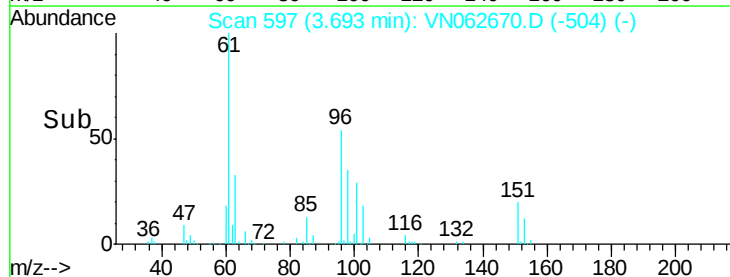
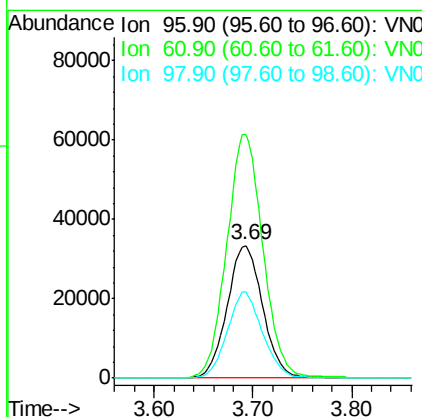
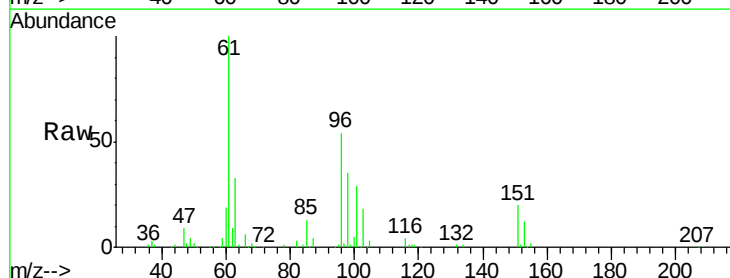
MMDadoda
 7/31/2020 11:56:55 AM

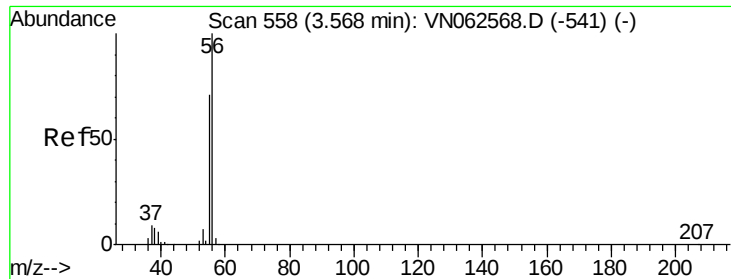


#12

1,1-Dichloroethene
 Concen: 45.975 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	96	Resp	83993
Ion Ratio	100	Lower	Upper
61	183.5	148.6	222.8
98	65.0	50.6	75.8





#13

Acrolein

Concen: 155.820 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67071

Ion Ratio Lower Upper

56 100

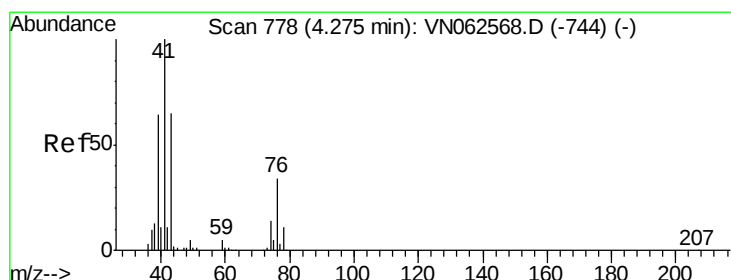
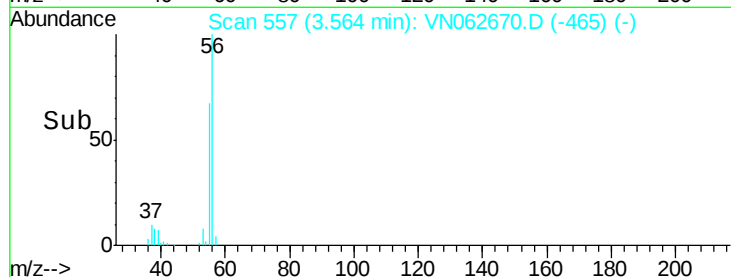
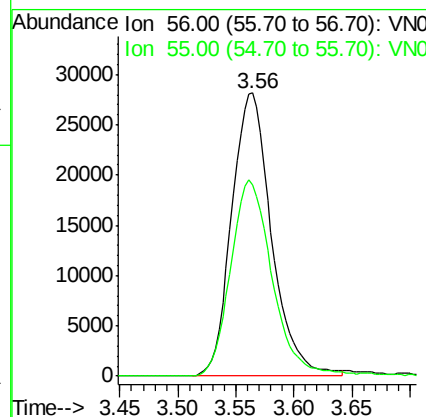
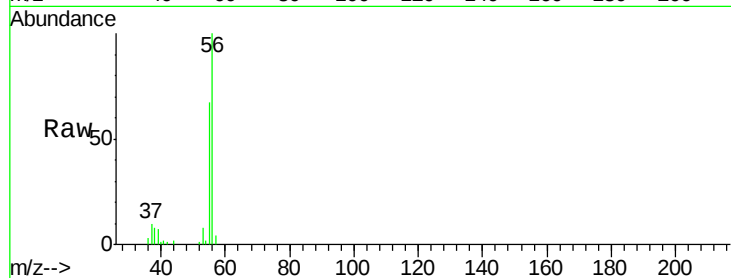
55 72.2 57.0 85.4

Manual Integrations

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MMDadoda

7/31/2020 11:56:55 AM



#14

Allyl chloride

Concen: 42.268 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

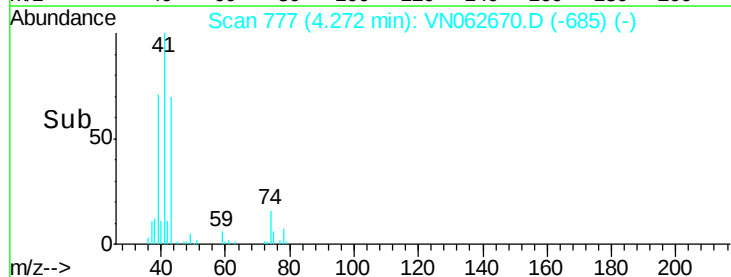
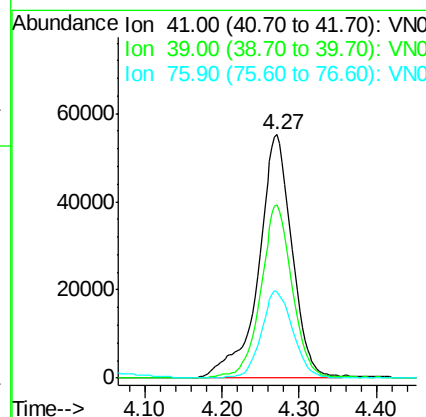
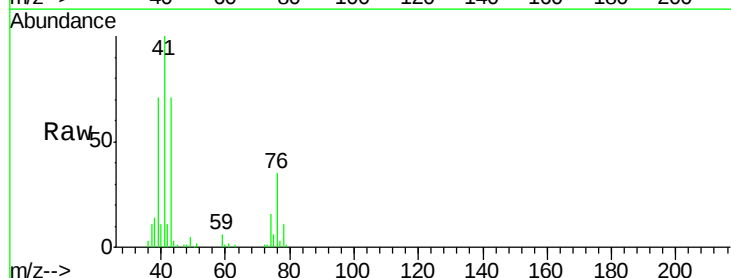
Tgt Ion: 41 Resp: 167036

Ion Ratio Lower Upper

41 100

39 66.7 49.0 73.4

76 33.6 24.0 36.0





#15

Acrylonitrile

Concen: 214.536 ug/l

RT: 4.92 min Scan# 979

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

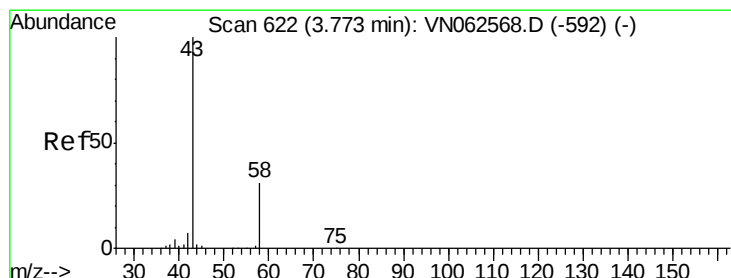
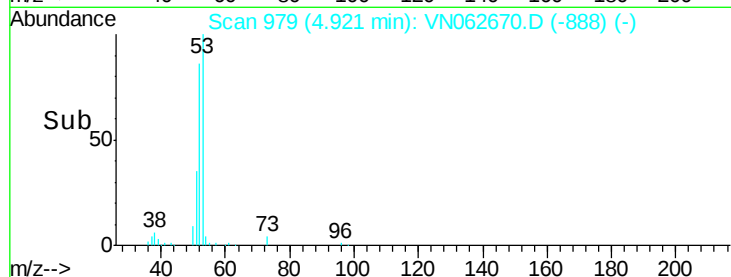
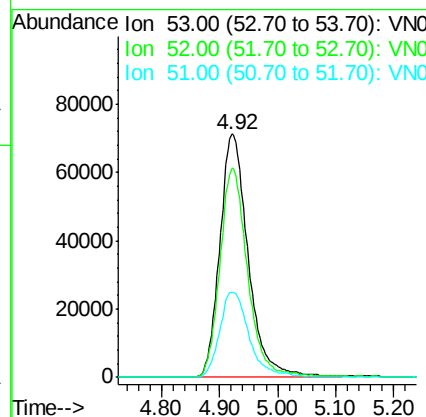
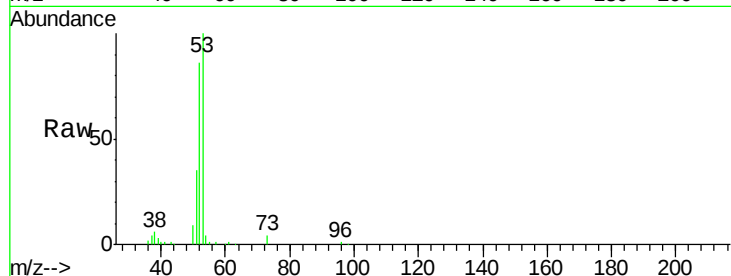
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	242290
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.3	99.5
51	35.8	28.6	43.0

Manual Integrations
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7/31/2020 11:56:55 AM



#16

Acetone

Concen: 218.462 ug/l

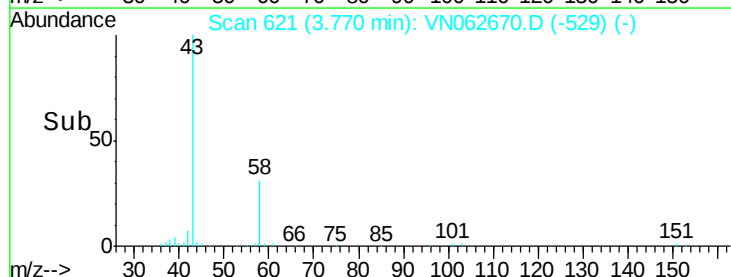
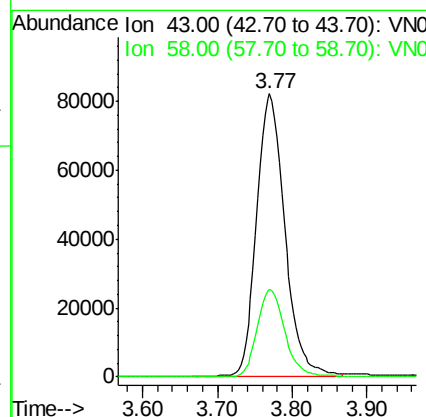
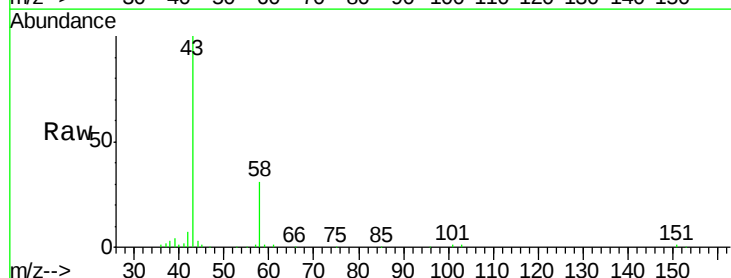
RT: 3.77 min Scan# 621

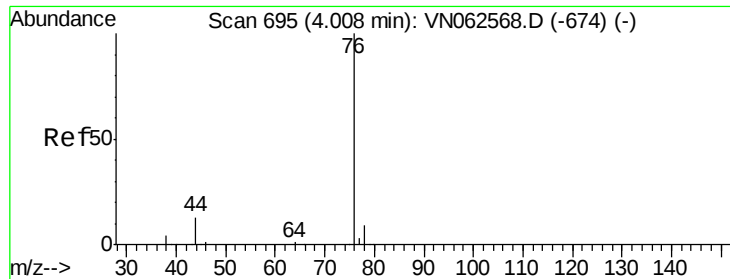
Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion:	43	Resp:	217897
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.6	37.0





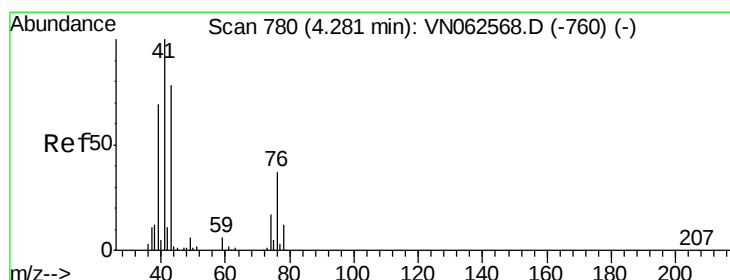
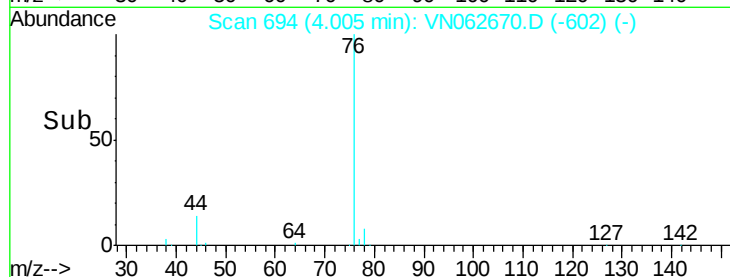
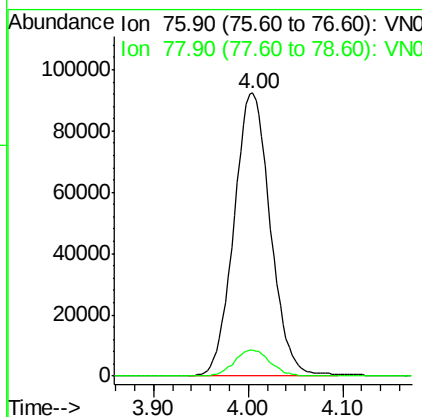
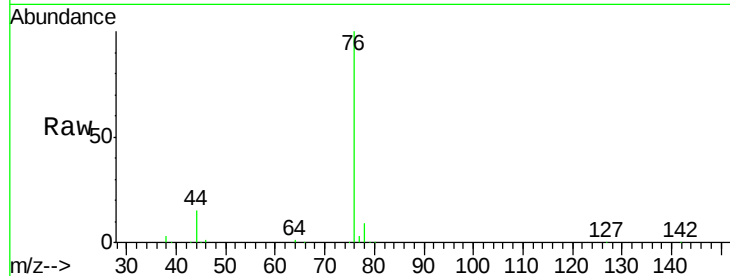
#17
Carbon Disulfide
Concen: 41.170 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.1	7.3	10.9	

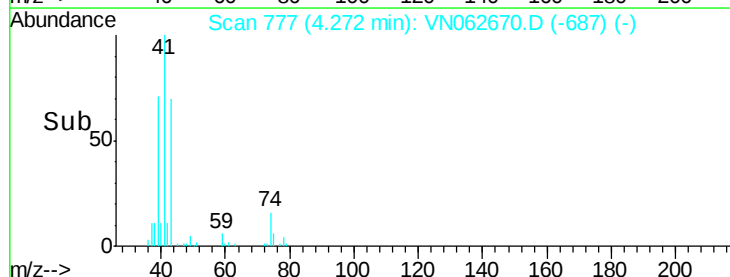
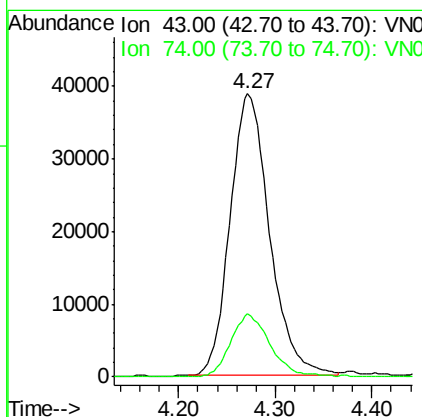
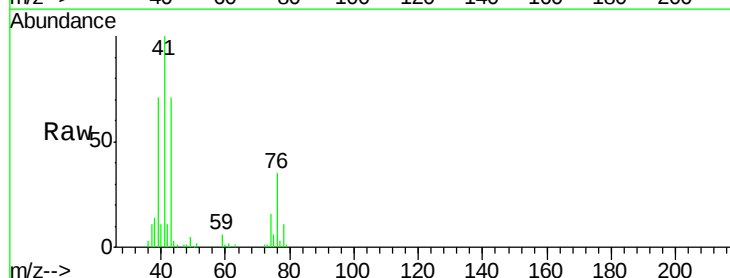
Manual Integrations
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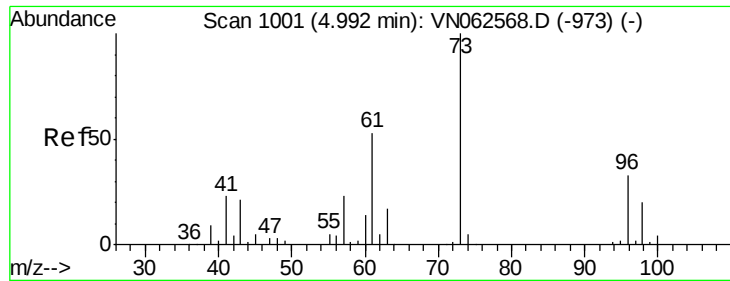
MMDadoda
7/31/2020 11:56:55 AM



#18
Methyl Acetate
Concen: 43.703 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	22.2	16.6	24.8	





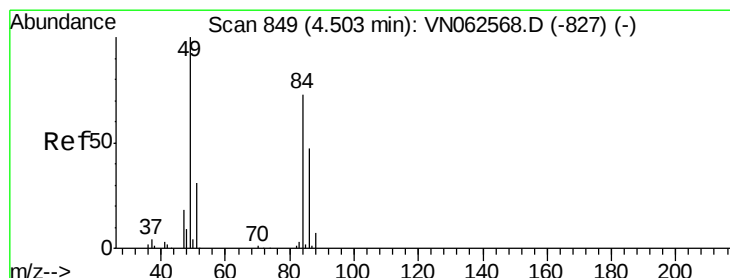
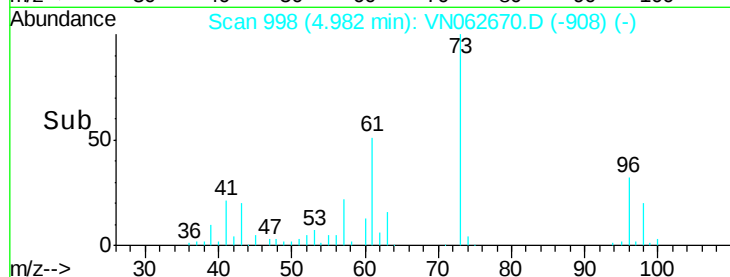
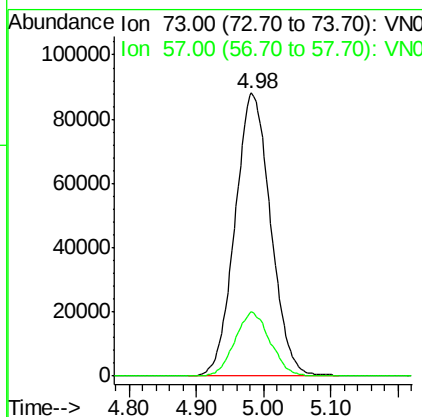
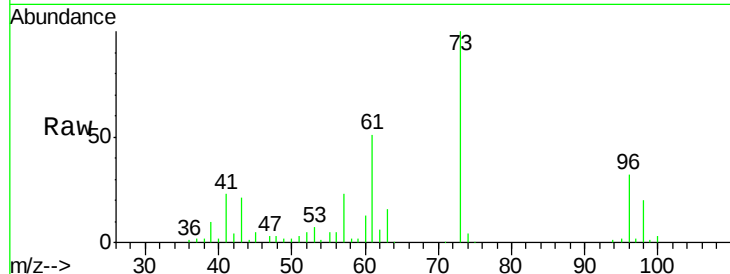
#19
Methvl tert-butvl Ether
Concen: 48.279 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 324637
Ion Ratio Lower Upper
73 100
57 22.8 18.6 27.8

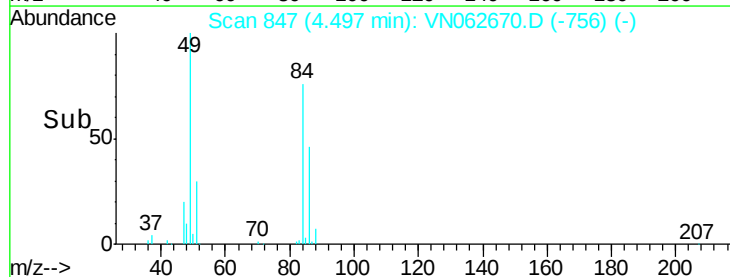
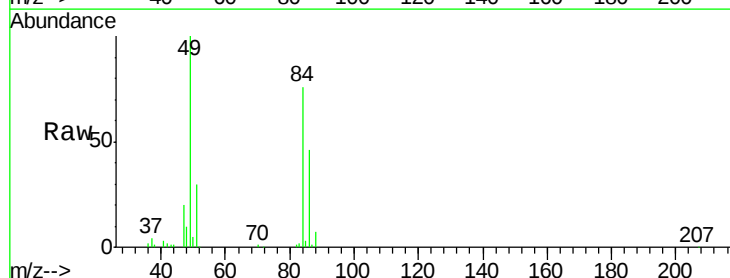
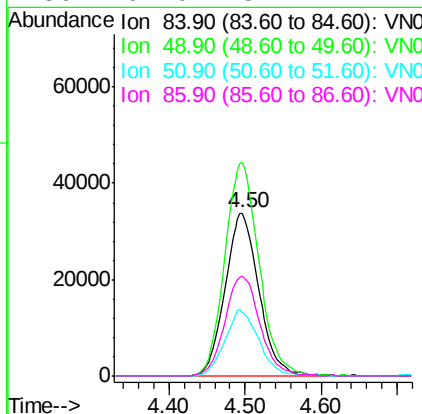
Manual Integrations
APPROVED

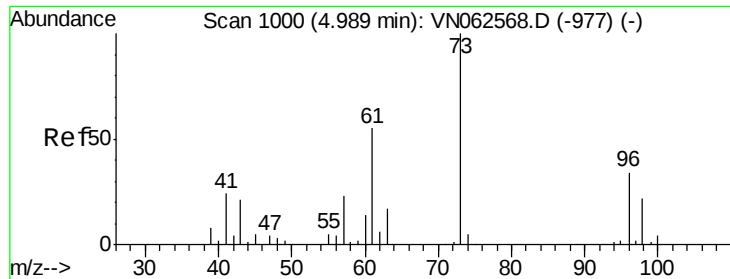
MMDadoda
7/31/2020 11:56:55 AM



#20
Methylene Chloride
Concen: 43.534 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion: 84 Resp: 104142
Ion Ratio Lower Upper
84 100
49 131.1 109.4 164.0
51 39.2 33.6 50.4
86 61.0 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 45.202 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

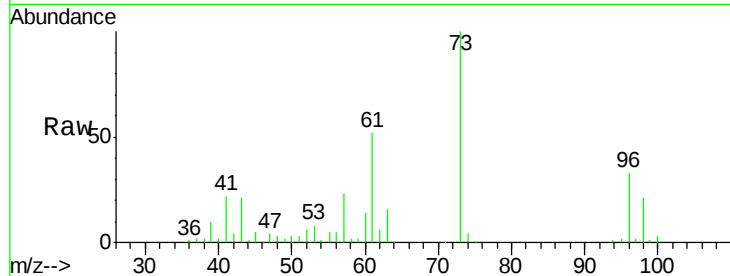
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	91655
Ion	Ratio	Lower	Upper
96	100		
61	158.4	128.6	192.8
98	63.8	50.6	76.0

Manual Integrations
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7/31/2020 11:56:55 AM

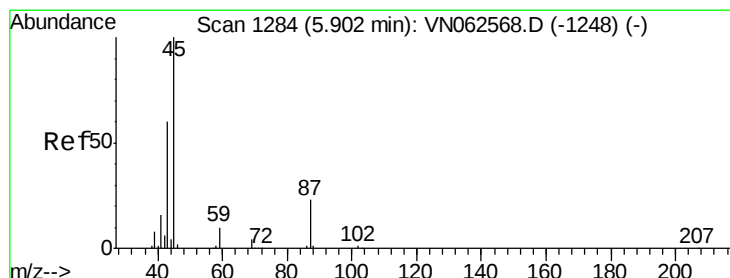
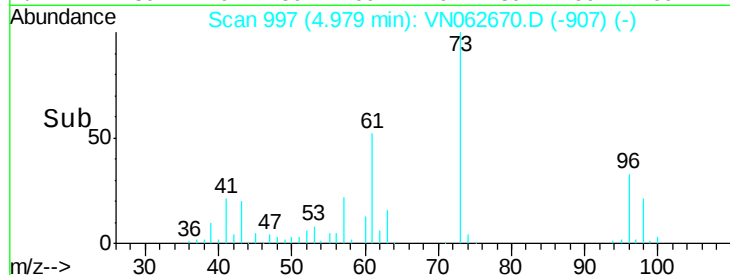
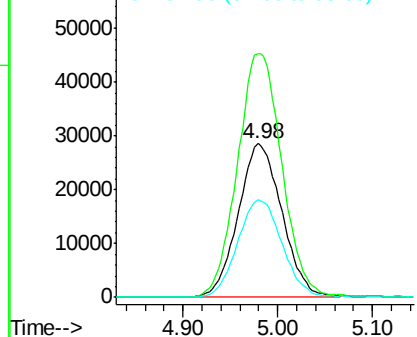


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 44.709 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion:	45	Resp:	351200
Ion	Ratio	Lower	Upper
45	100		
43	63.0	48.7	73.1
87	25.6	19.0	28.6
59	10.9	8.6	13.0

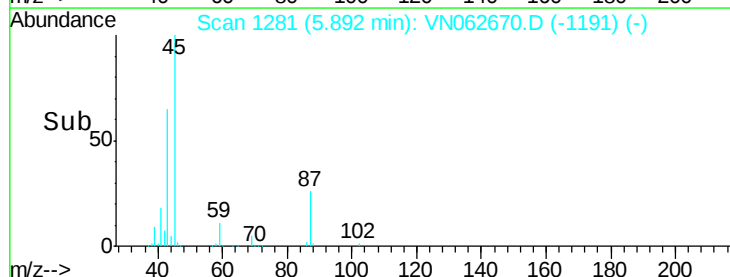
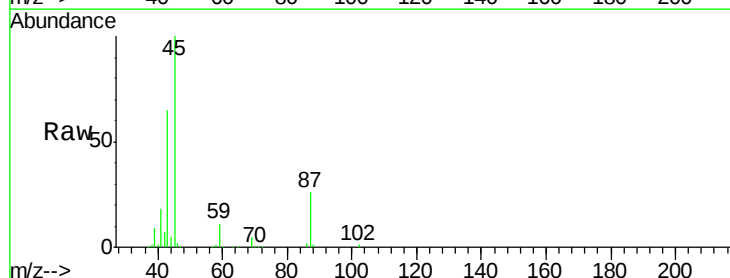
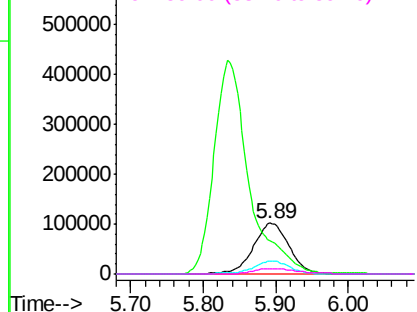
Abundance

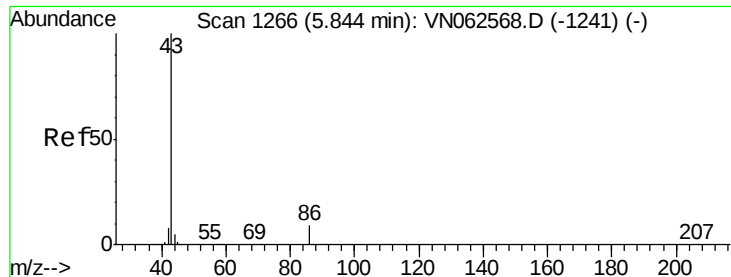
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 223.128 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1436139

Ion Ratio Lower Upper

43 100

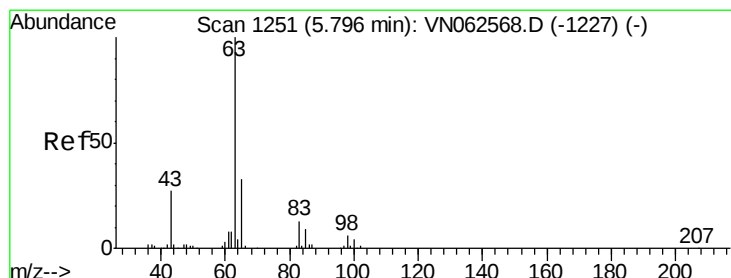
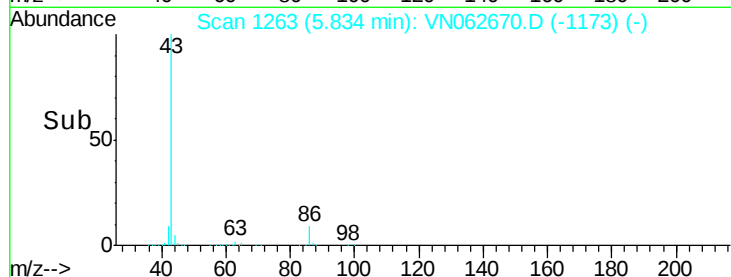
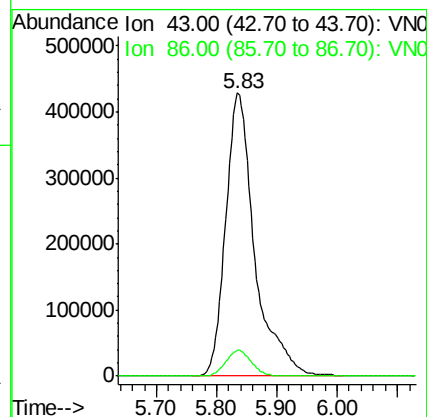
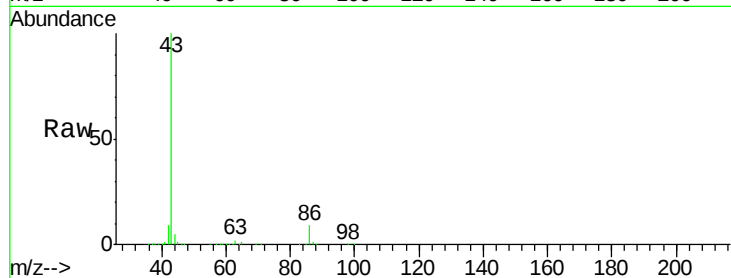
86 9.2 6.9 10.3

Manual Integrations

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MMDadoda

7/31/2020 11:56:55 AM



#24

1,1-Dichloroethane

Concen: 46.228 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

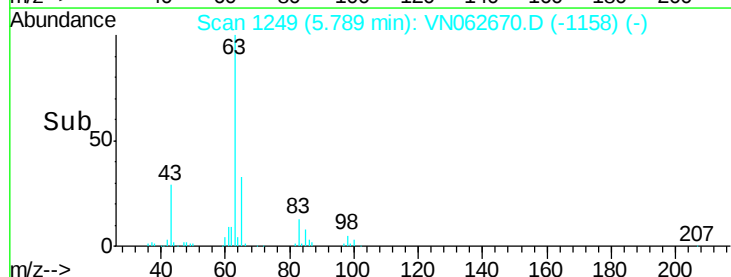
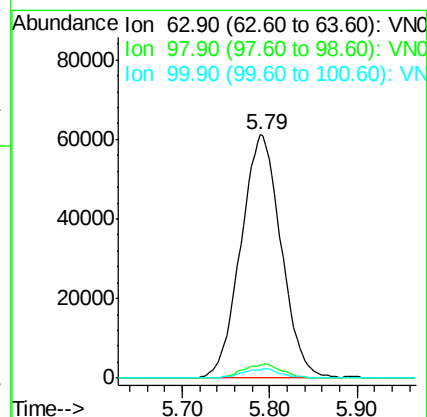
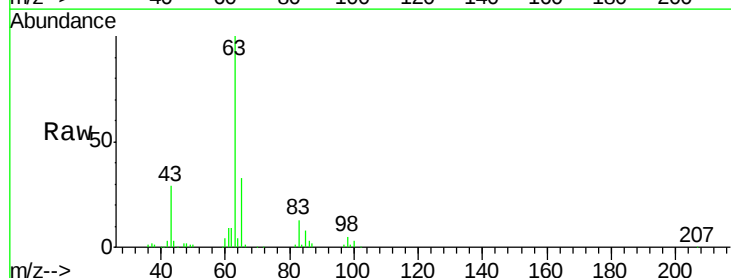
Tgt Ion: 63 Resp: 195545

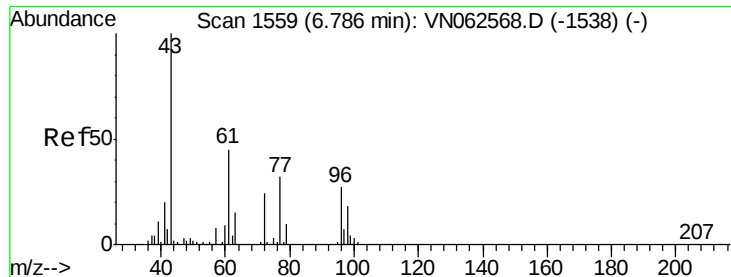
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.8

100 3.5 1.8 5.4





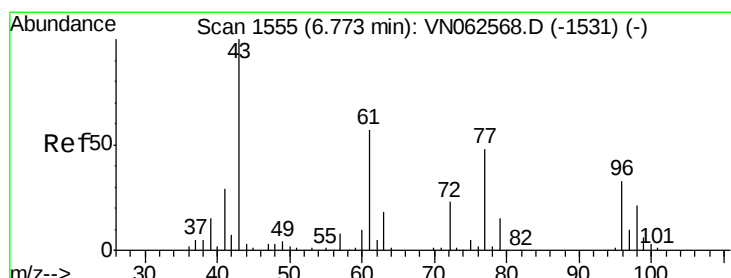
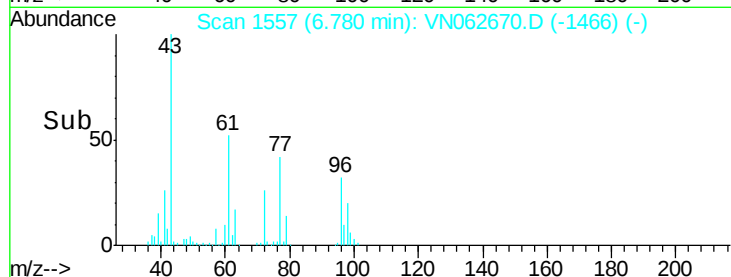
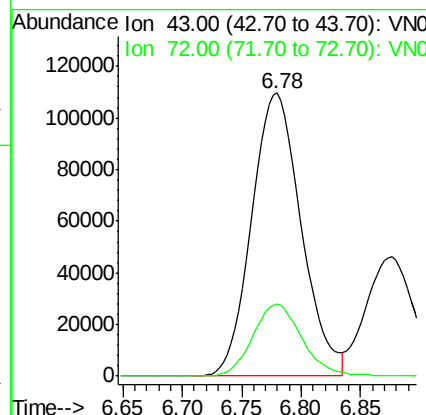
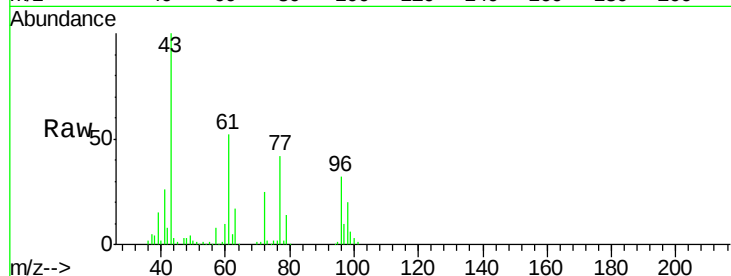
#25
2-Butanone
Concen: 207.427 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 315088
Ion Ratio Lower Upper
43 100
72 25.5 19.0 28.6

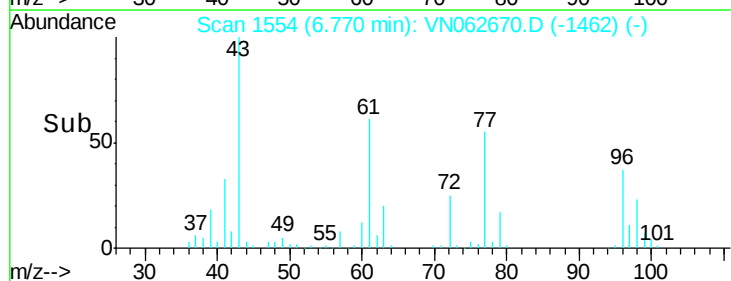
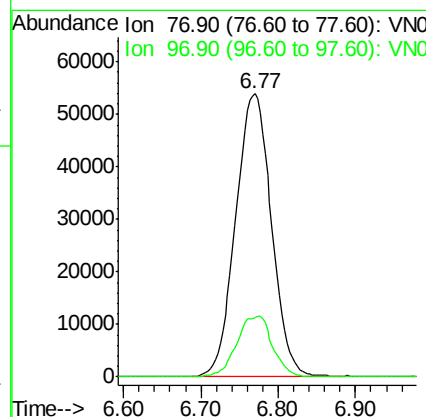
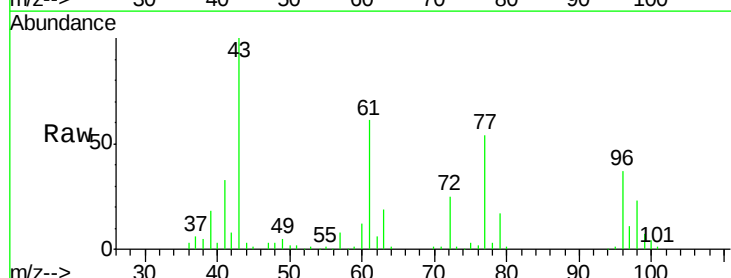
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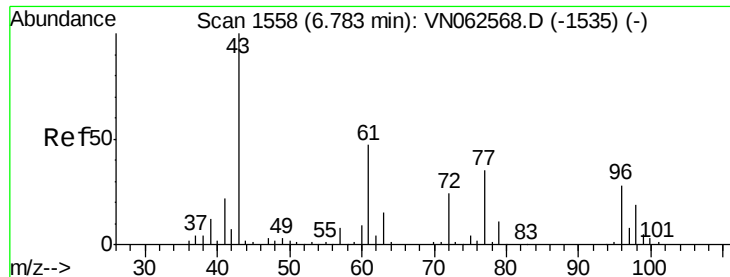
MMDadoda
7/31/2020 11:56:55 AM



#26
2,2-Dichloropropane
Concen: 49.964 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion: 77 Resp: 173498
Ion Ratio Lower Upper
77 100
97 21.2 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 46.165 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

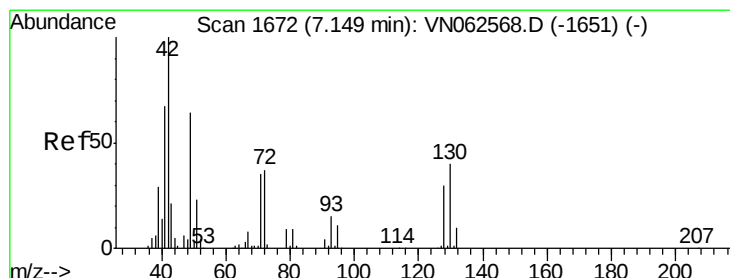
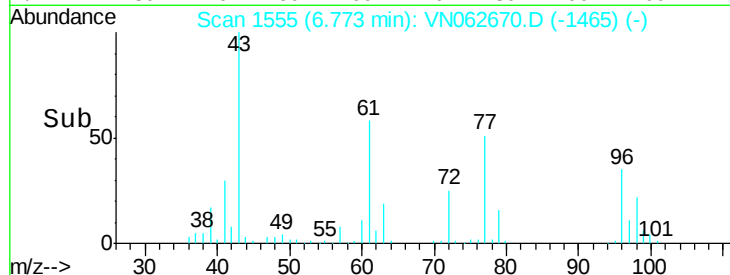
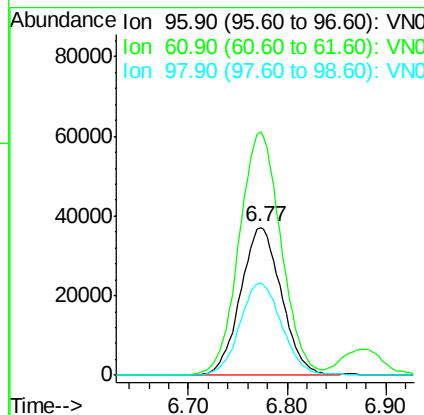
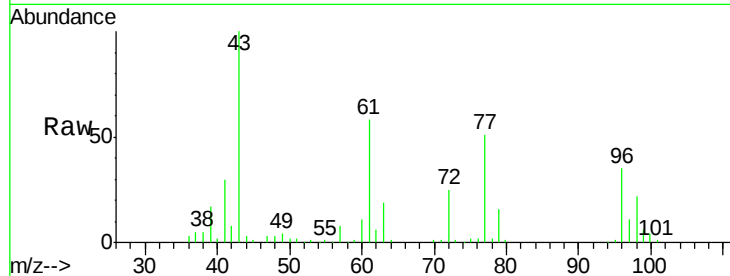
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	106814
Ion	Ratio	Lower	Upper
96	100		
61	168.2	0.0	332.4
98	64.1	0.0	127.4

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#28

Bromochloromethane

Concen: 44.482 ug/l

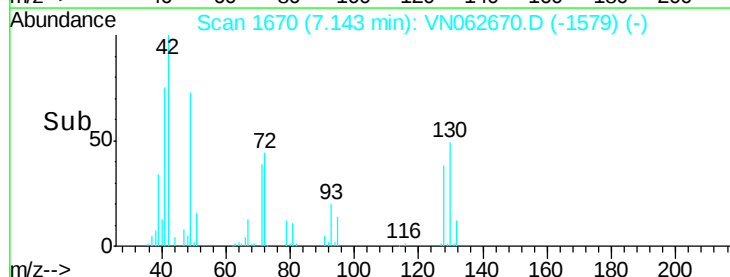
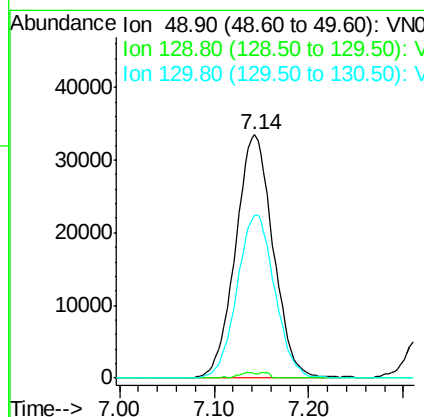
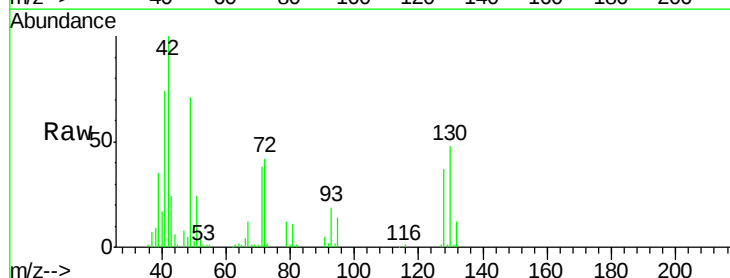
RT: 7.14 min Scan# 1670

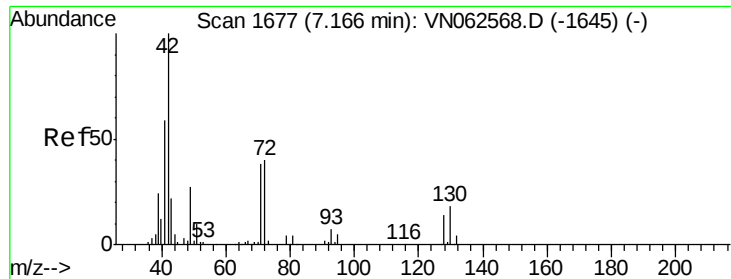
Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion:	49	Resp:	92599
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.4
130	67.1	49.8	74.8





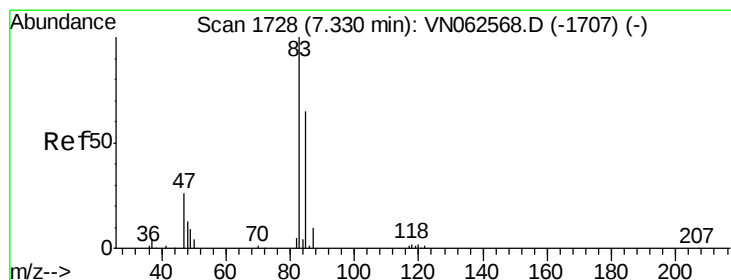
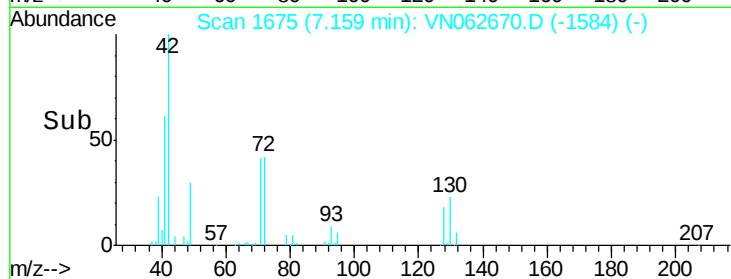
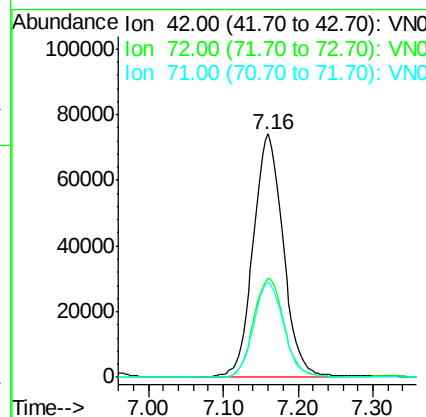
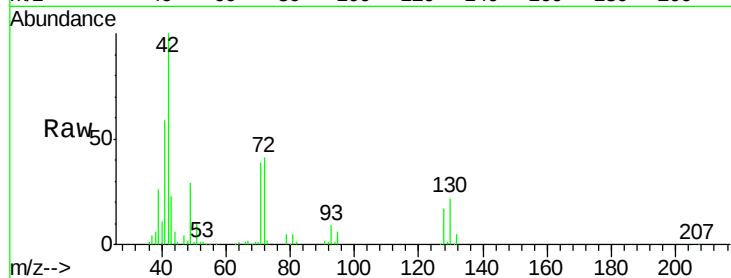
#29
Tetrahydrofuran
Concen: 202.450 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	30.7	46.1
71	39.1	29.1	43.7

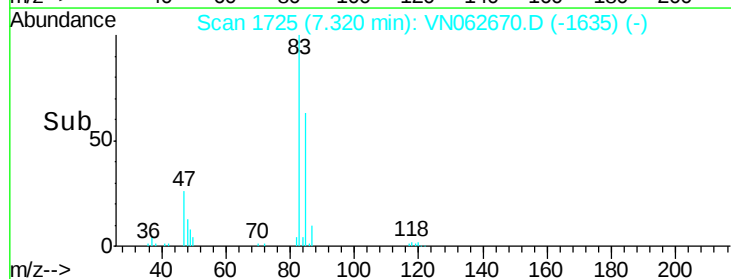
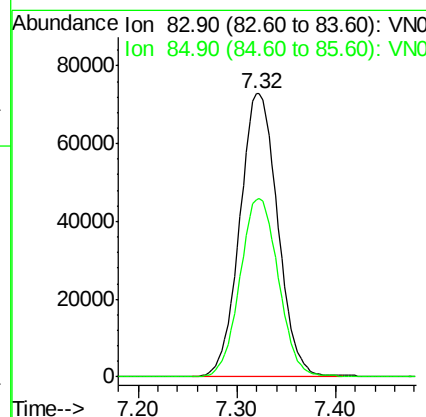
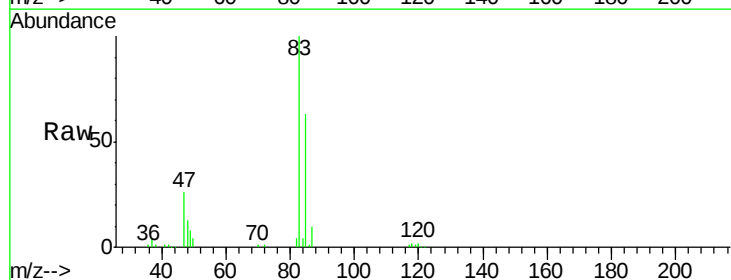
Manual Integrations
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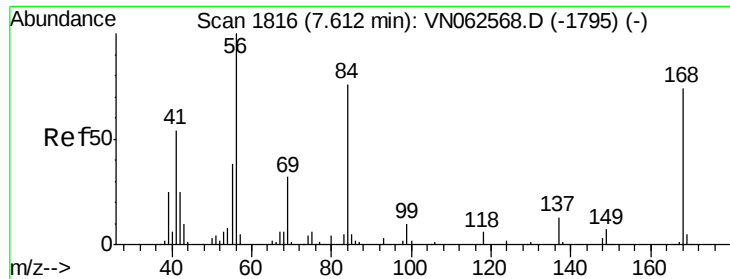
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#30
Chloroform
Concen: 48.289 ug/l
RT: 7.32 min Scan# 1725
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0





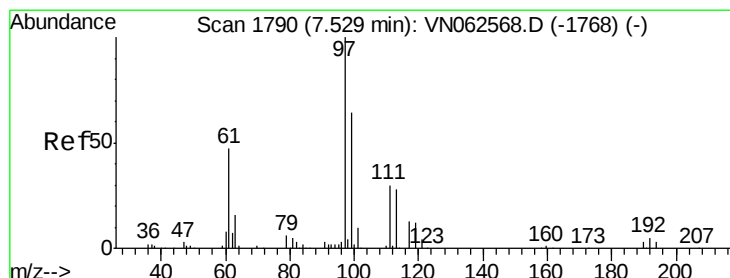
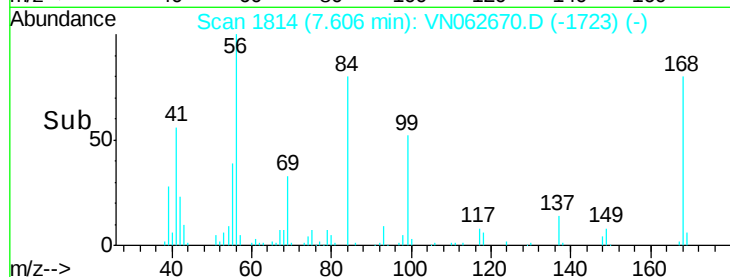
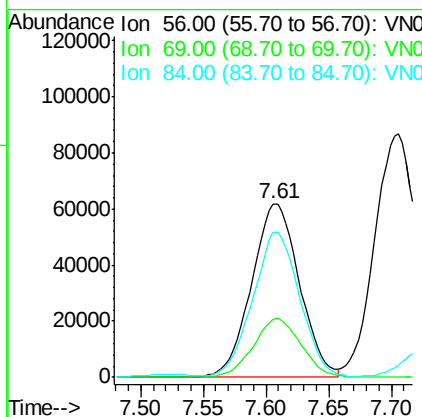
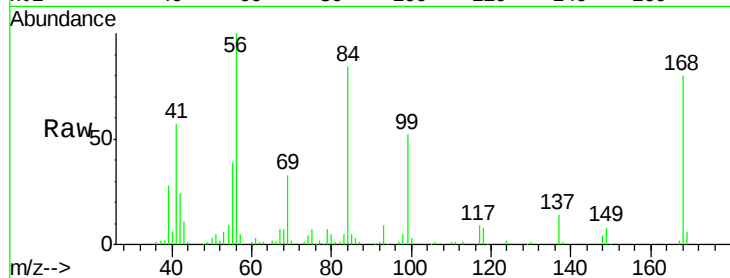
#31
Cyclohexane
Concen: 41.966 ug/l
RT: 7.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.3	37.9
84	82.5	61.0	91.4

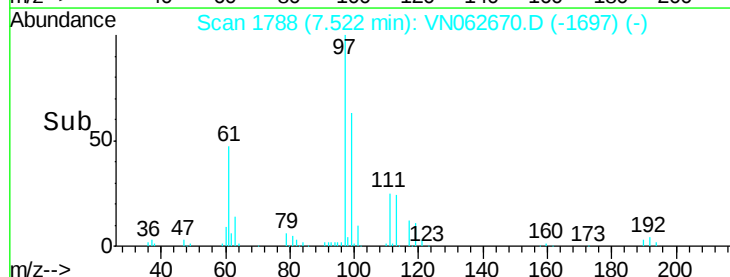
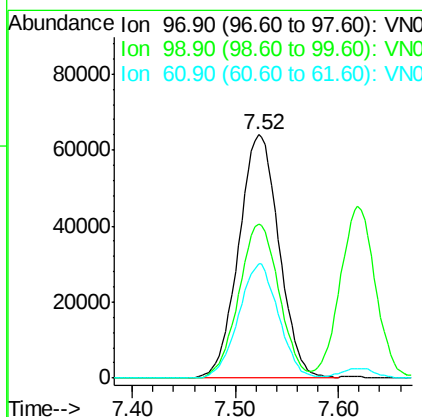
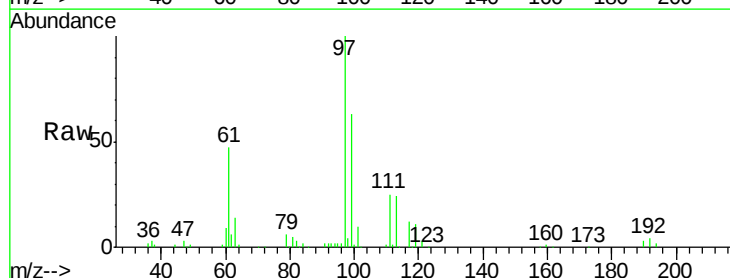
Manual Integrations
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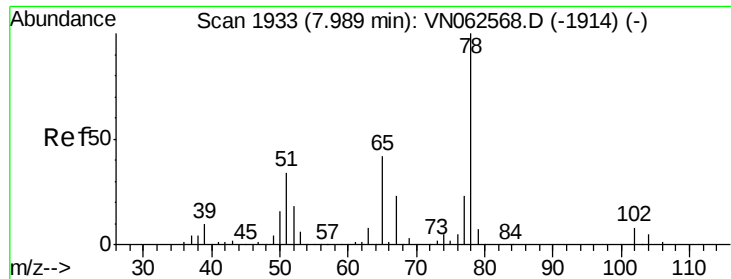
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#32
1,1,1-Trichloroethane
Concen: 51.687 ug/l
RT: 7.52 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	46.6	38.4	57.6





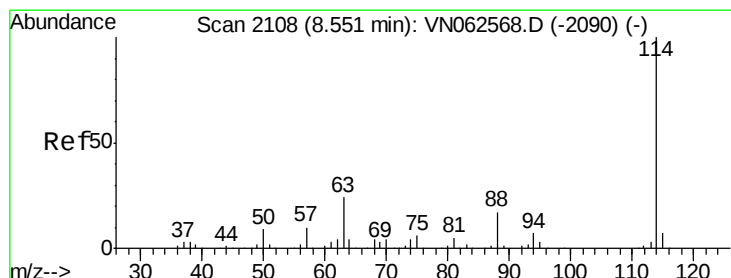
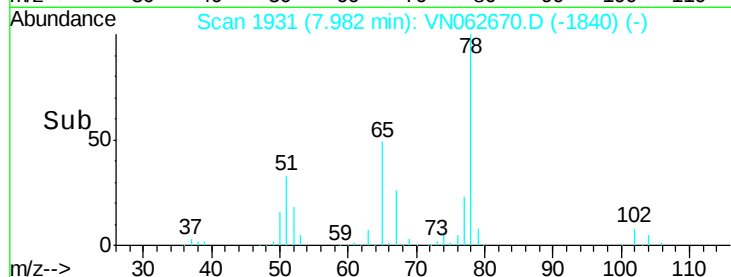
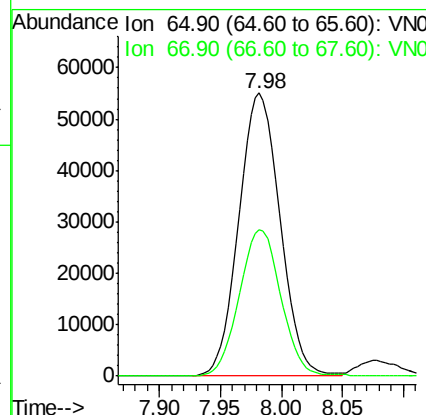
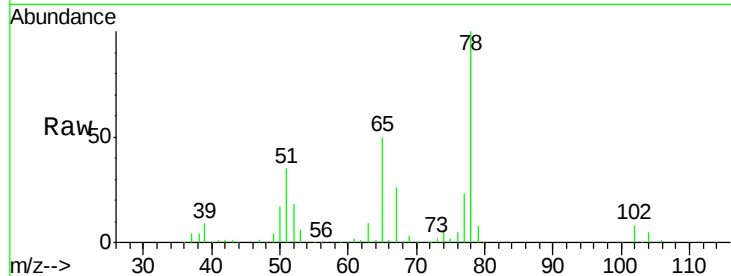
#33
 1,2-Dichloroethane-d4
 Concen: 48.727 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	106.0	

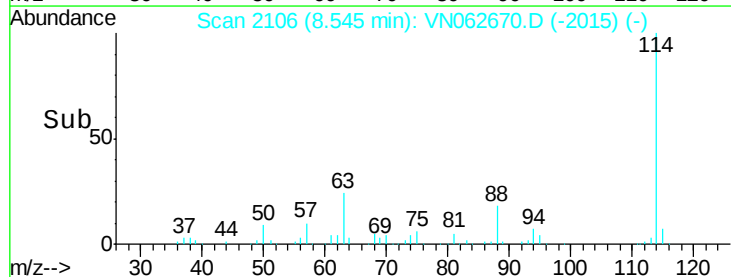
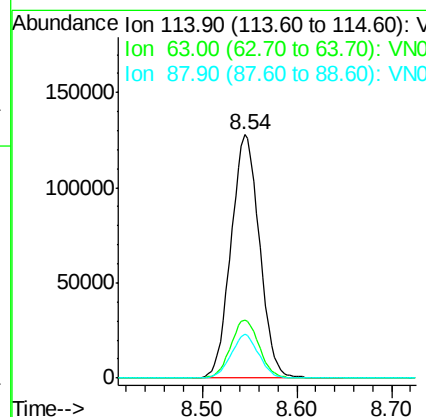
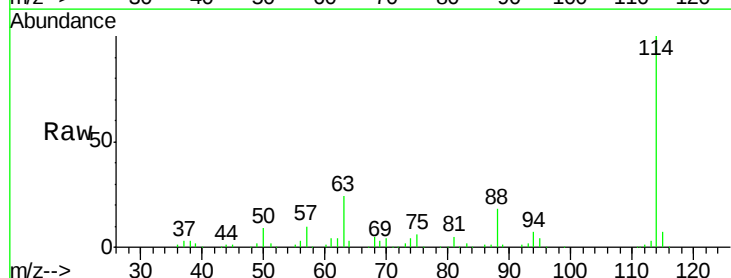
Manual Integrations
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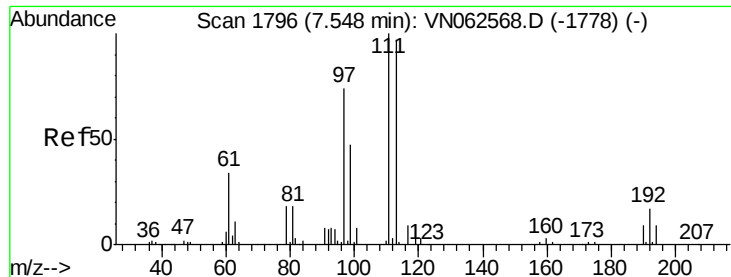
MMDadoda
 7/31/2020 11:56:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.0	0.0	48.4	
88	18.1	0.0	33.8	





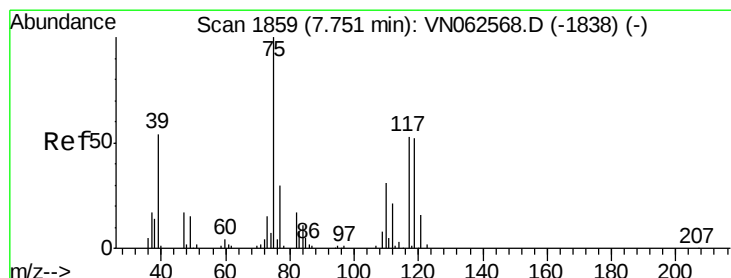
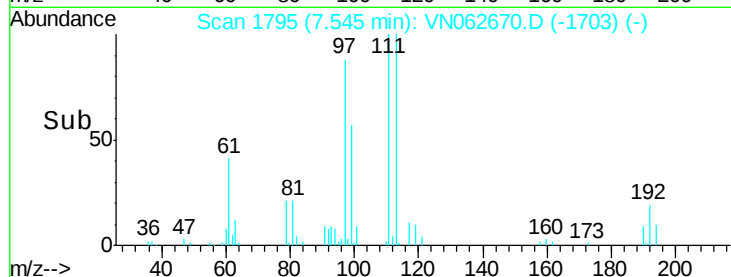
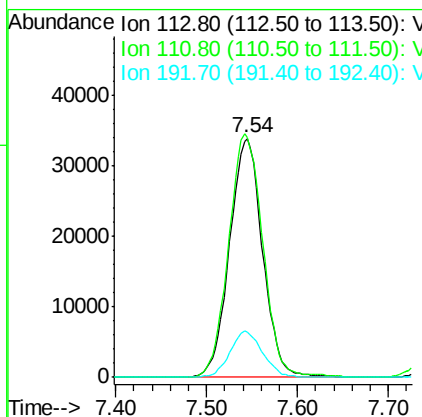
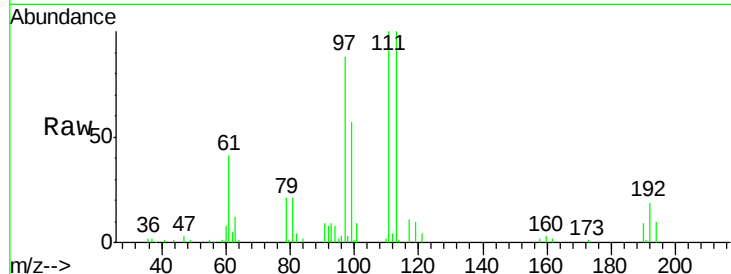
#35
 Dibromofluoromethane
 Concen: 48.600 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85569		
111	104.9	82.7	124.1	
192	19.0	14.8	22.2	

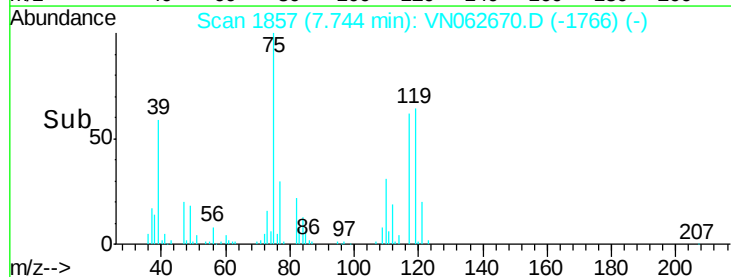
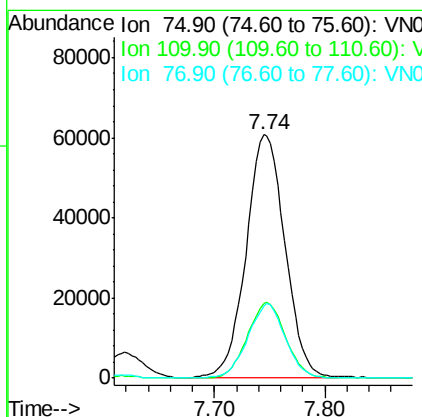
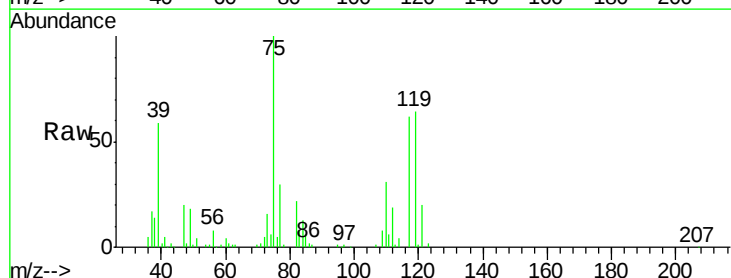
Manual Integrations
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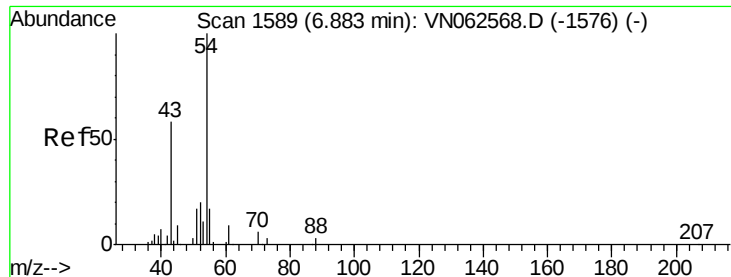
MMDadoda
 7/31/2020 11:56:55 AM



#36
 1,1-Dichloropropene
 Concen: 51.414 ug/l
 RT: 7.74 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146895		
110	30.7	16.0	48.0	
77	29.9	24.6	36.8	





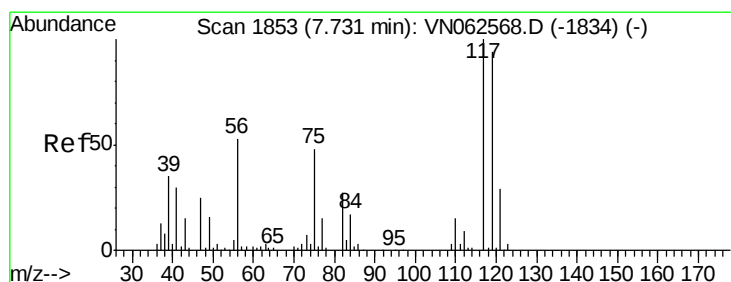
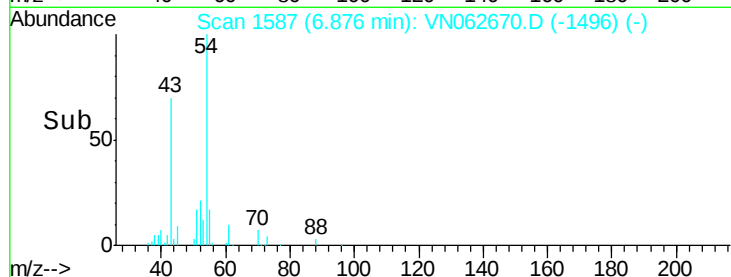
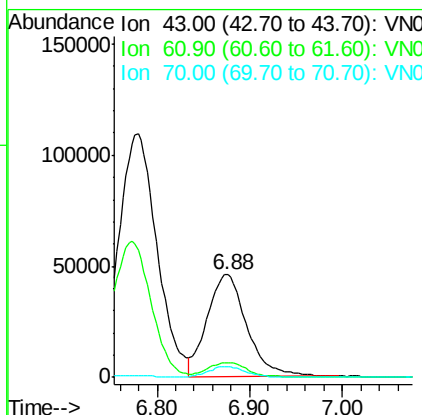
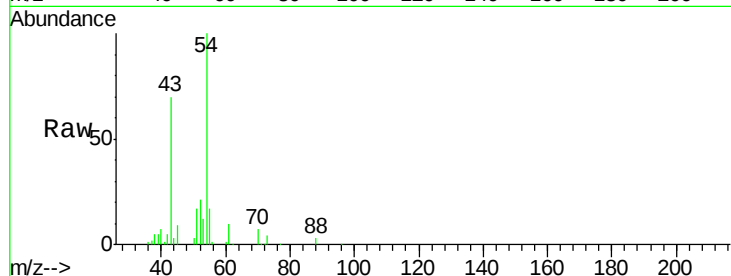
#37
Ethyl Acetate
Concen: 44.236 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.0	7.7	11.5

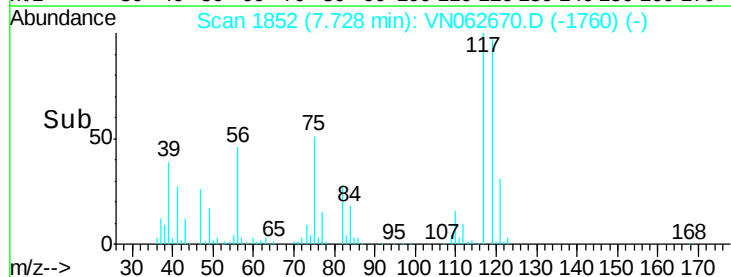
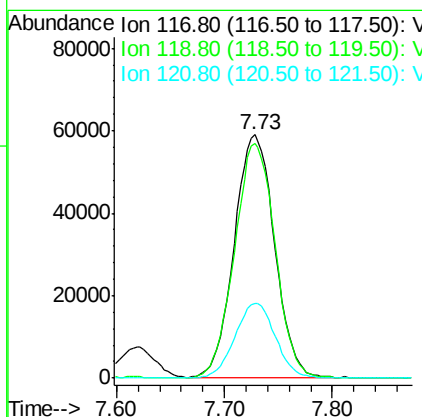
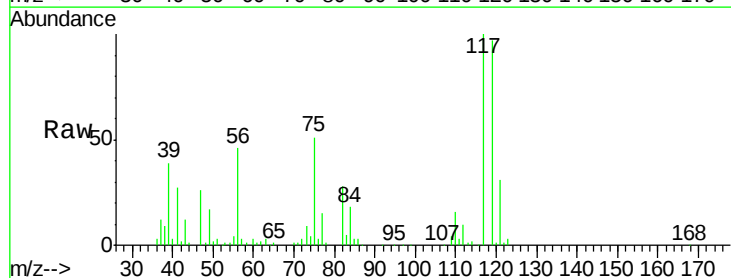
Manual Integrations
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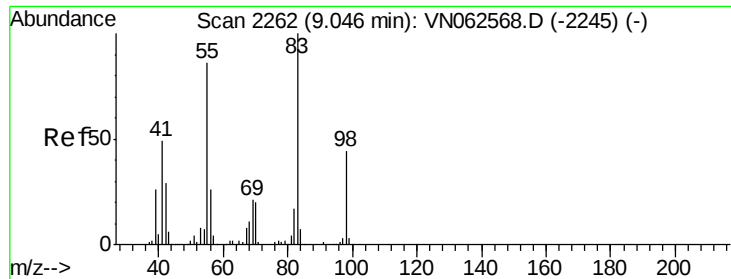
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7/31/2020 11:56:55 AM



#38
Carbon Tetrachloride
Concen: 55.628 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	74.8	112.2
121	30.7	23.0	34.6





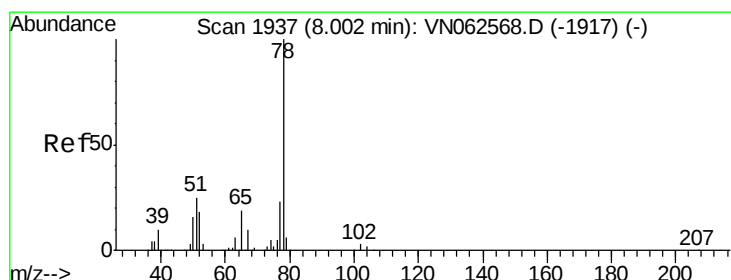
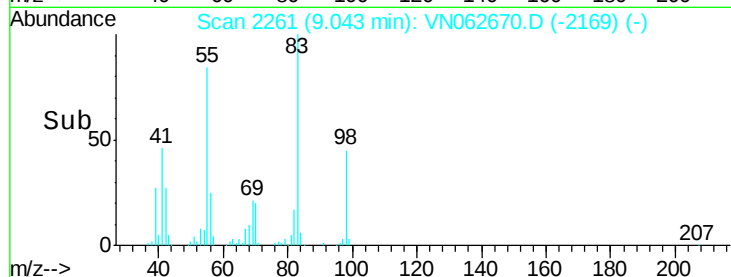
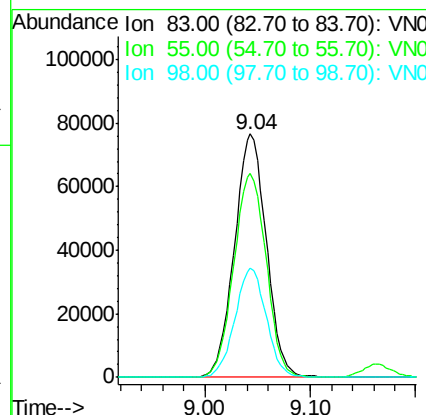
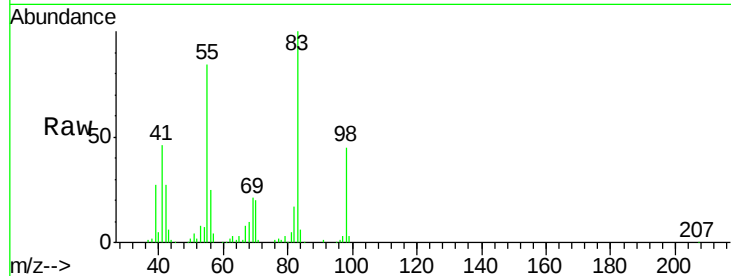
#39
Methvlcvclohexane
Concen: 52.222 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	68.9	103.3
98	44.7	35.1	52.7

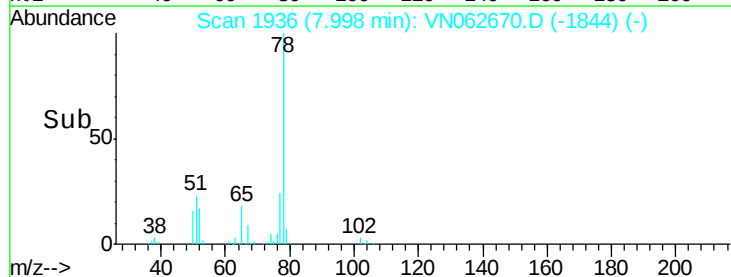
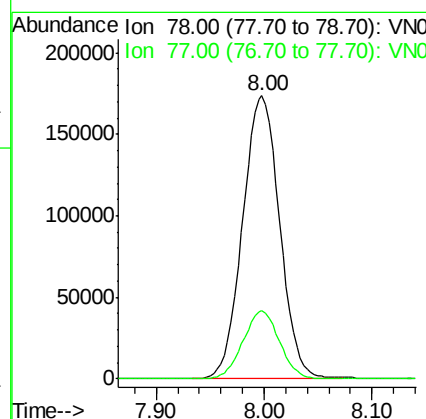
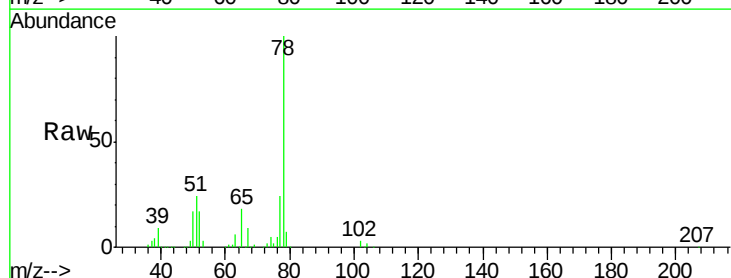
Manual Integrations
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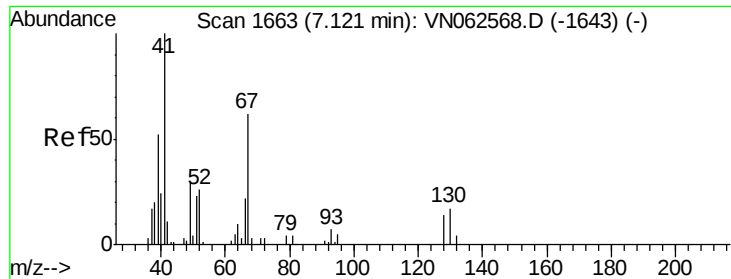
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7/31/2020 11:56:55 AM



#40
Benzene
Concen: 47.941 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





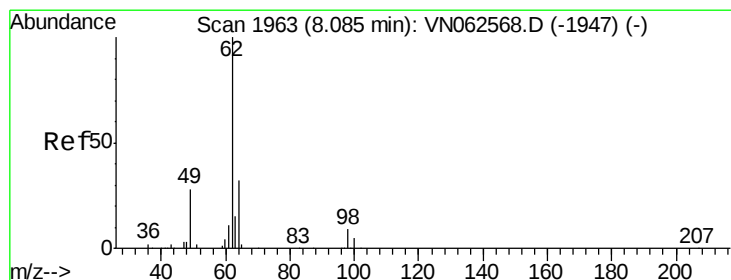
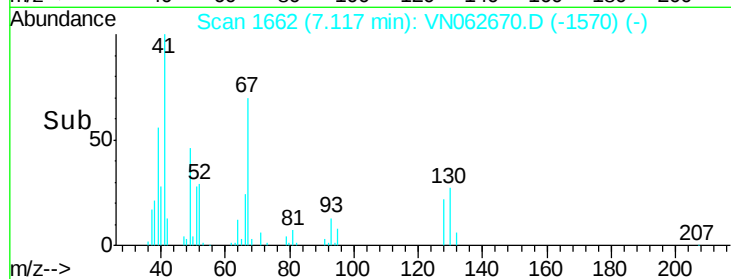
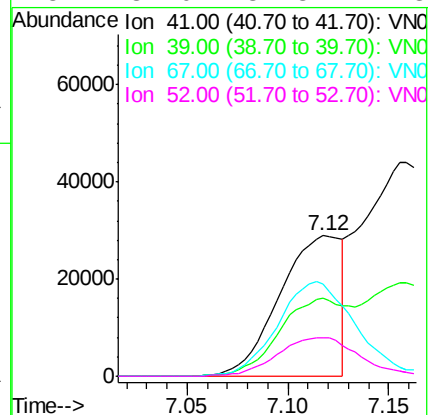
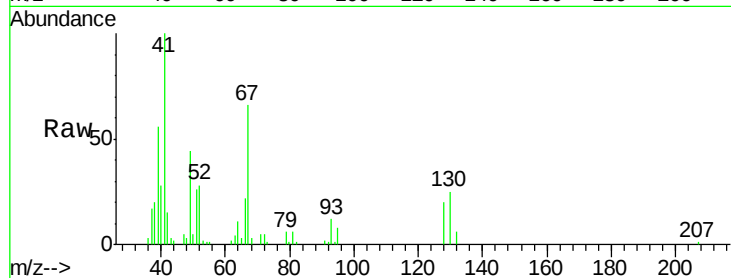
#41
Methacrylonitrile
Concen: 46.565 ug/l
RT: 7.12 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	61463
Ion	Ratio	Lower	Upper
41	100		
39	63.5	55.8	83.6
67	86.0	72.5	108.7
52	37.0	31.8	47.8

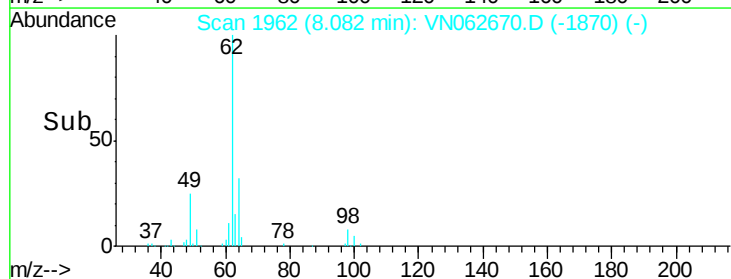
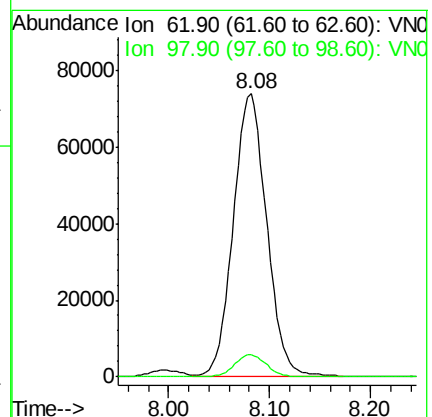
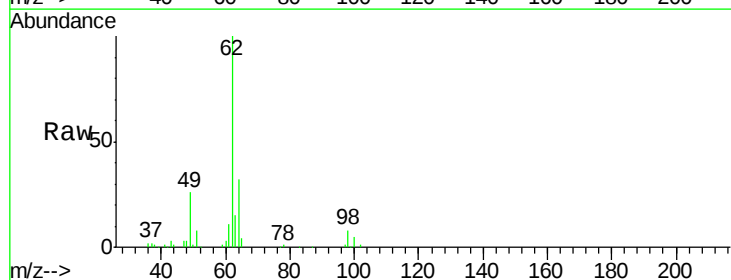
Manual Integrations
APPROVED

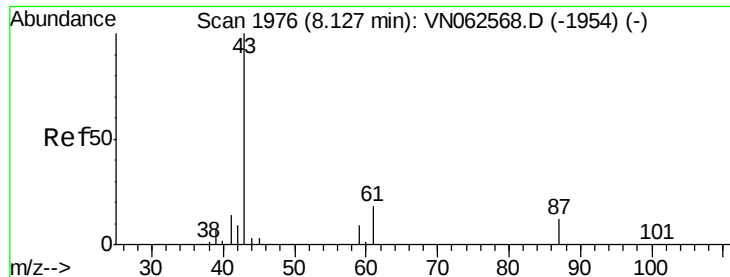
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7/31/2020 11:56:55 AM



#42
1,2-Dichloroethane
Concen: 53.586 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion:	62	Resp:	169456
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	16.2





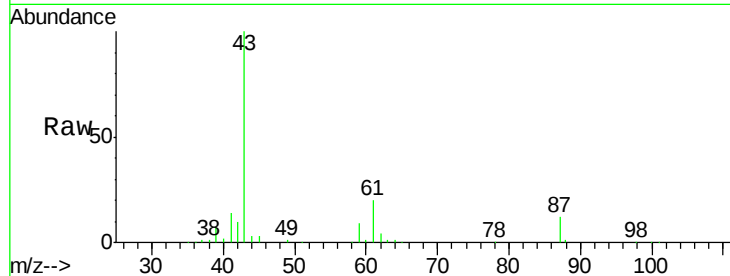
#43
Isopropyl Acetate
Concen: 46.260 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

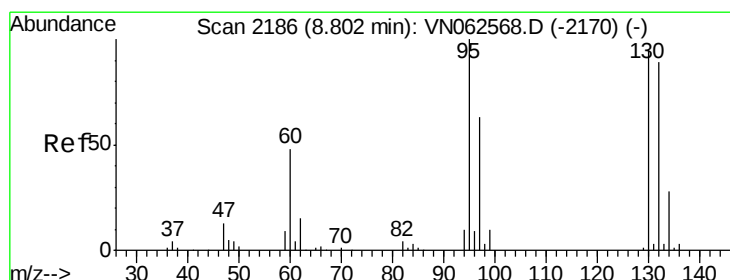
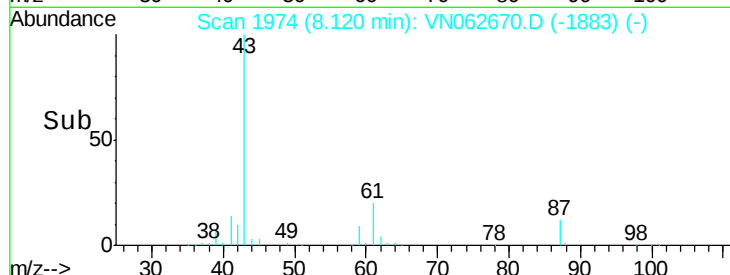
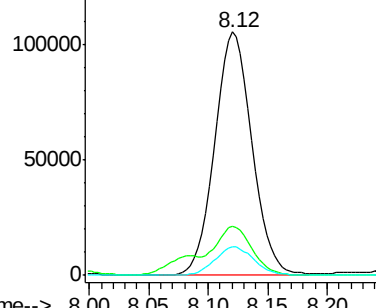
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	20.8	31.2#
87	12.2	9.2	13.8

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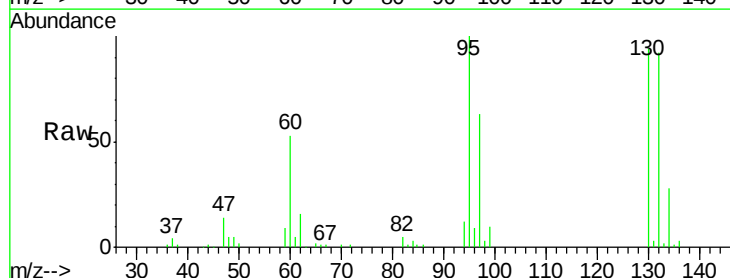


Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

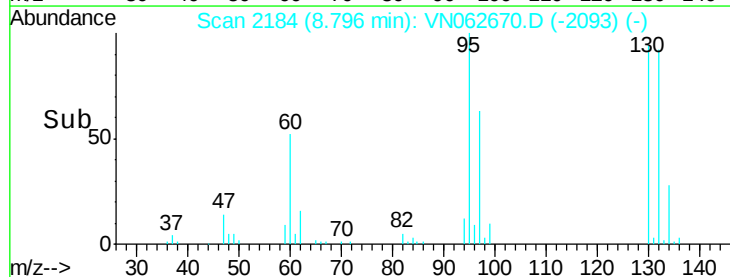
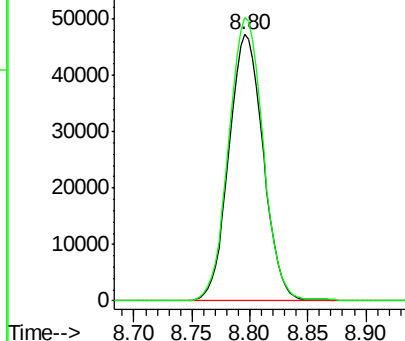


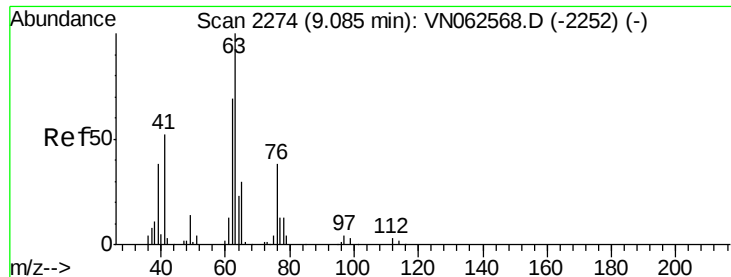
#44
Trichloroethene
Concen: 49.596 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.01 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	210.4



Abundance Ion 129.80 (129.50 to 130.50): VN062568.D (-2170) (-)





#45

1,2-Dichloropropane

Concen: 47.713 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.01 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 115876

Ion Ratio Lower Upper

63 100

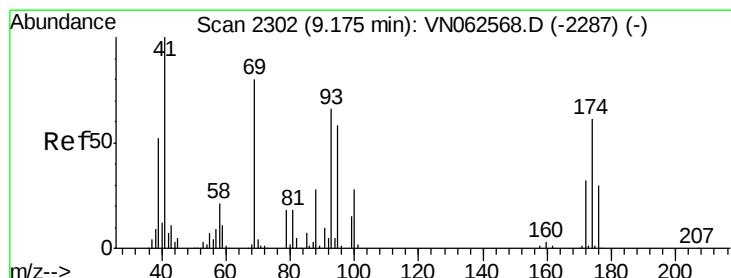
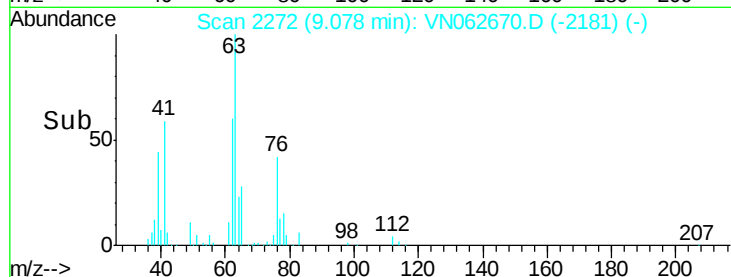
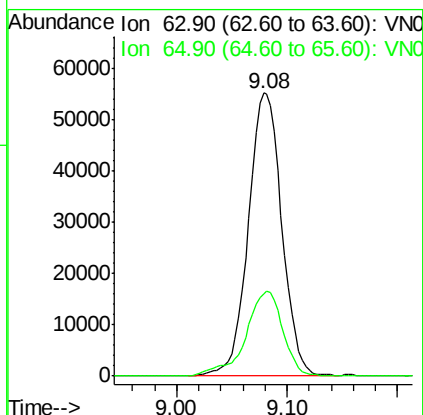
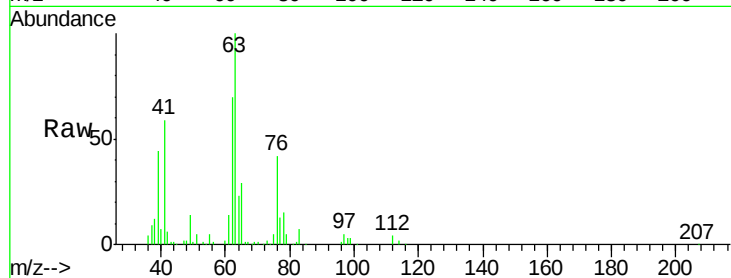
65 28.9 24.4 36.6

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#46

Dibromomethane

Concen: 50.950 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

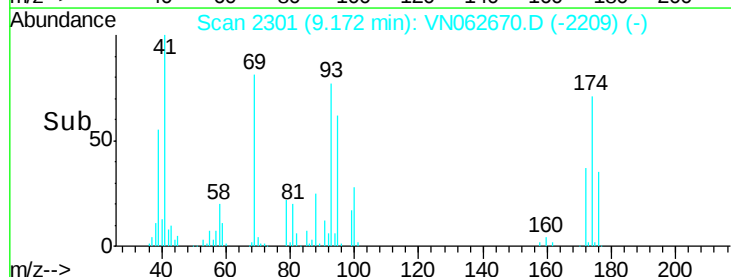
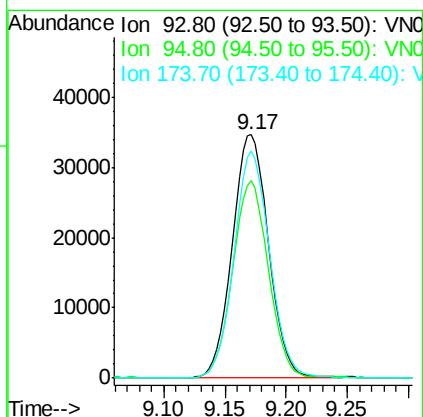
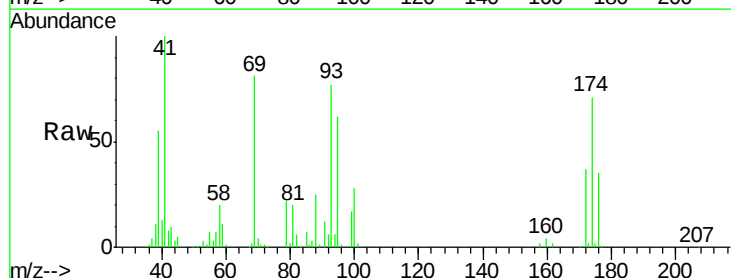
Tgt Ion: 93 Resp: 71517

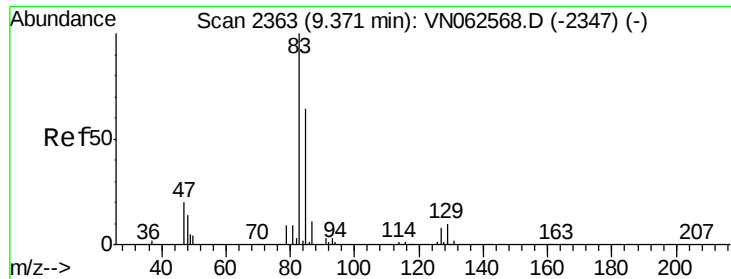
Ion Ratio Lower Upper

93 100

95 79.5 67.6 101.4

174 91.6 72.5 108.7





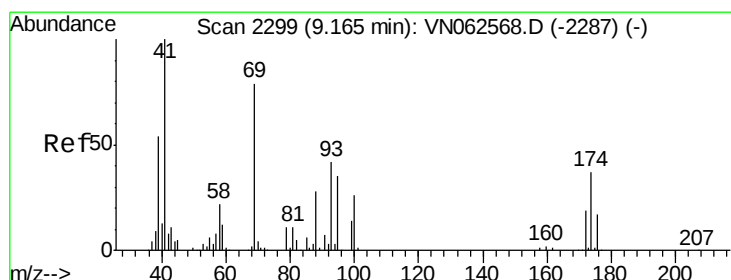
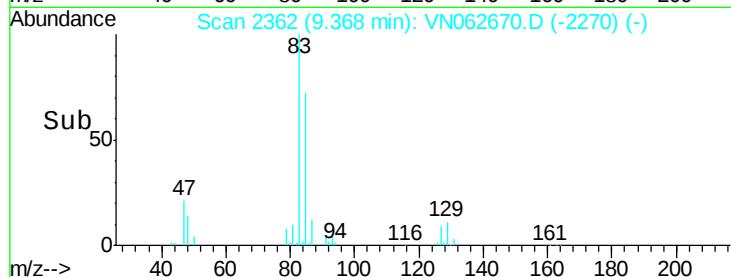
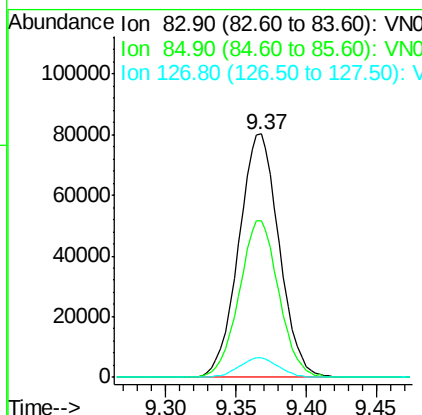
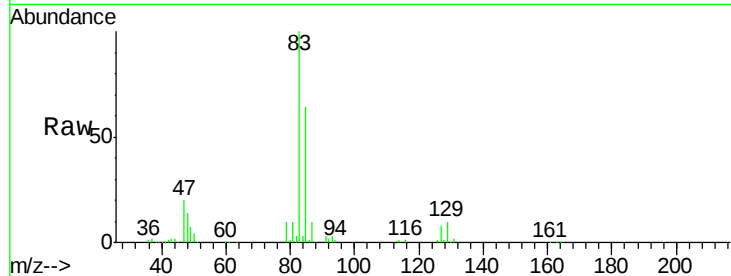
#47
Bromodichloromethane
Concen: 52.787 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	160524
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	51.6	77.4
127	8.2	6.2	9.2

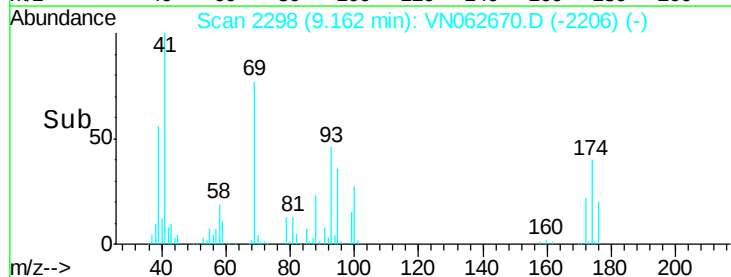
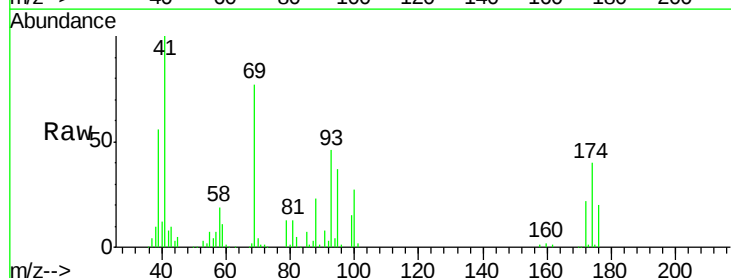
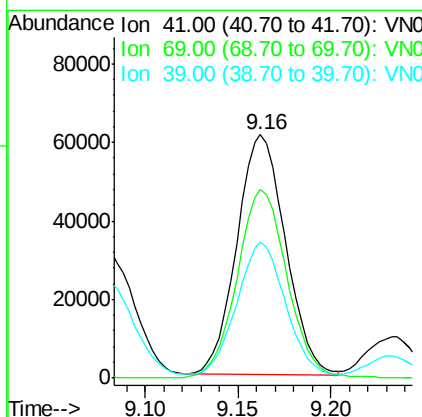
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#48
Methyl methacrylate
Concen: 47.433 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	41	Resp	111947
Ion Ratio	100	Lower	Upper
41	100		
69	80.5	64.4	96.6
39	57.2	43.5	65.3





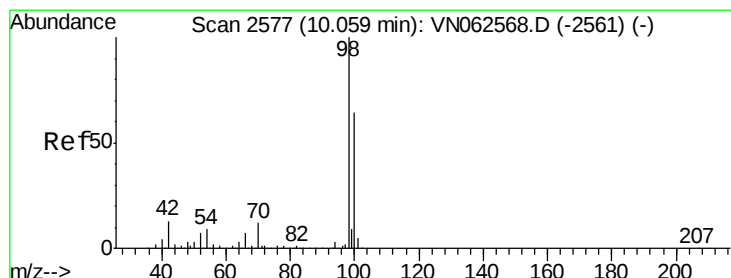
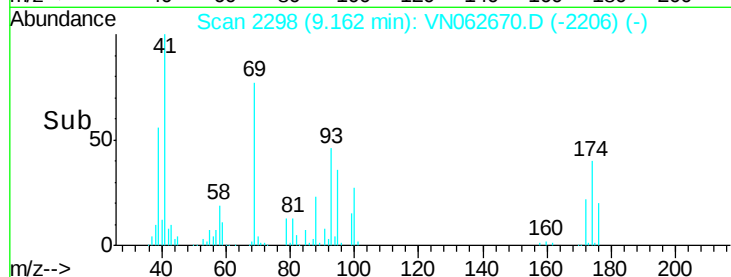
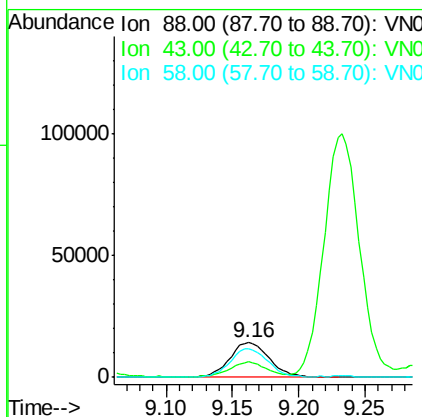
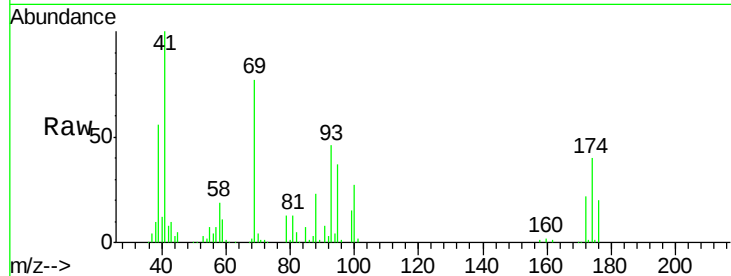
#49
1,4-Dioxane
Concen: 818.480 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	29669
Ion Ratio	Lower	Upper	
88	100		
43	38.9	32.0	48.0
58	79.2	62.8	94.2

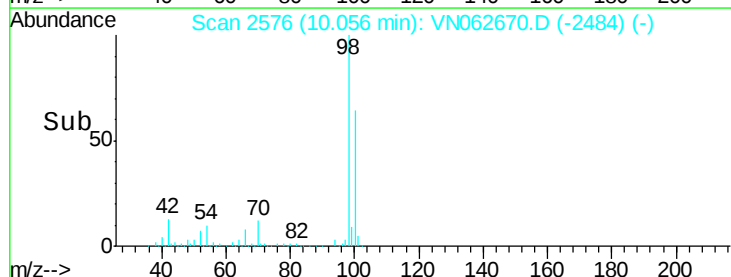
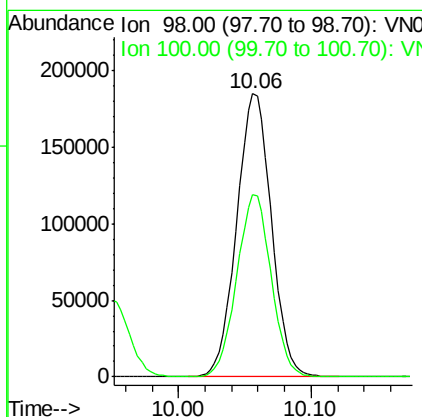
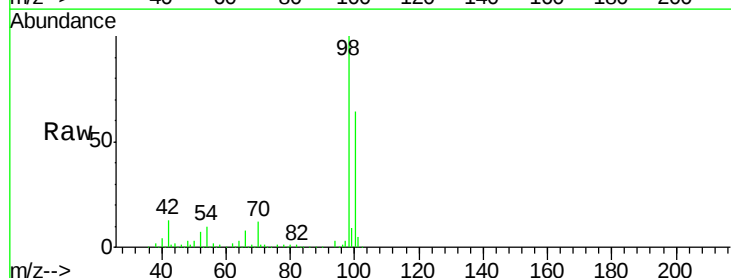
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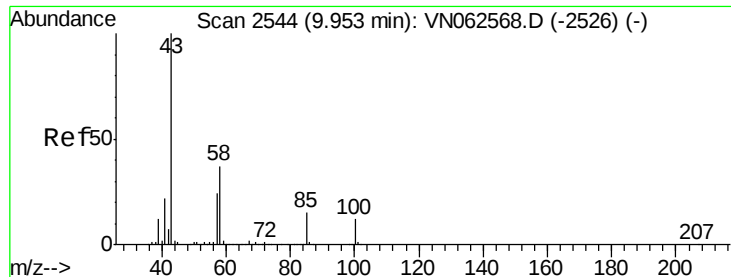
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#50
Toluene-d8
Concen: 47.873 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	98	Resp	336312
Ion Ratio	Lower	Upper	
98	100		
100	63.5	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 230.250 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 683999

Ion Ratio Lower Upper

43 100

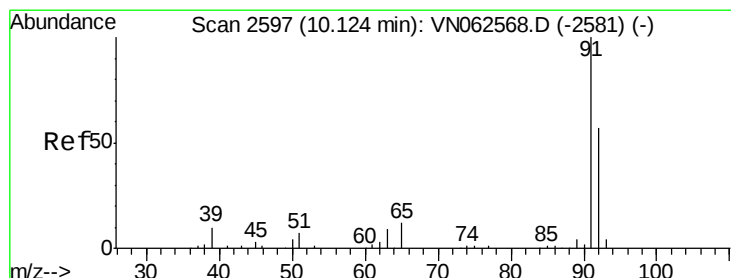
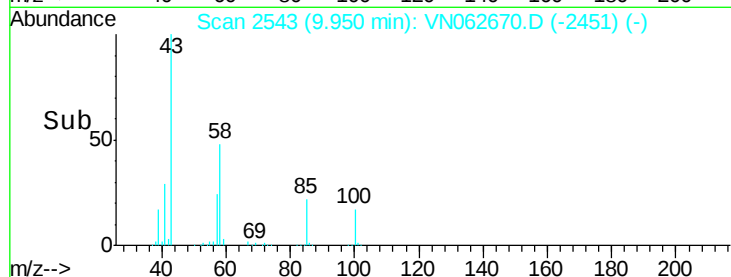
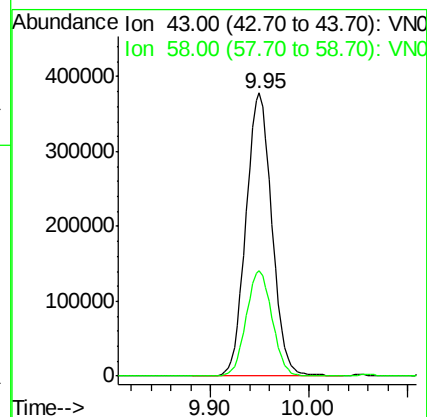
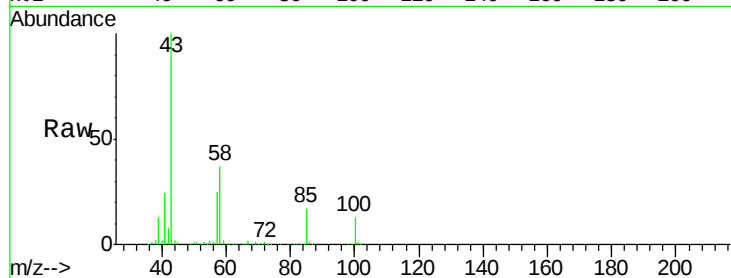
58 37.3 29.8 44.6

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#52

Toluene

Concen: 50.779 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.00 min

Lab File: VN062670.D

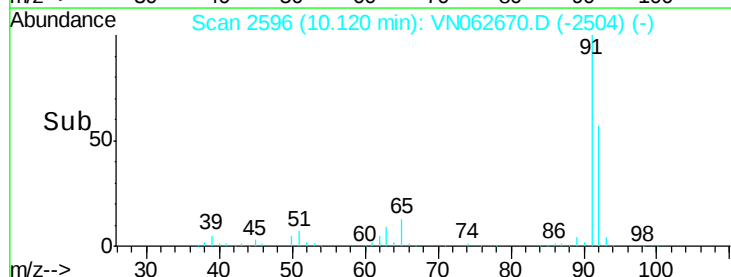
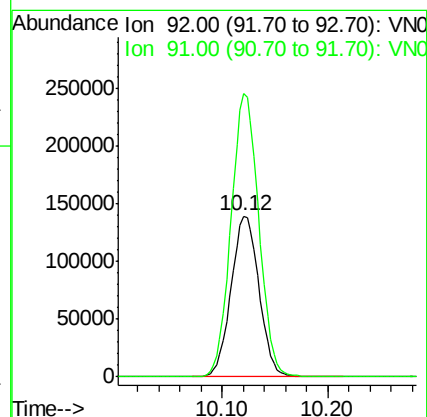
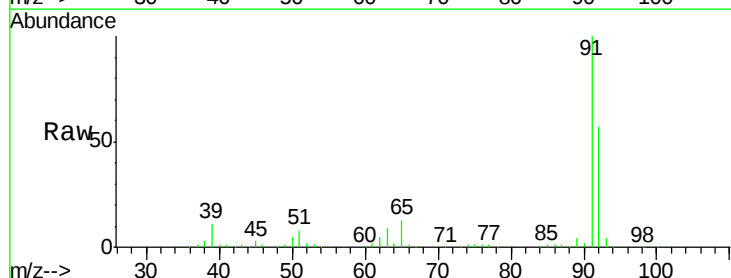
Acq: 30 Jul 2020 15:49

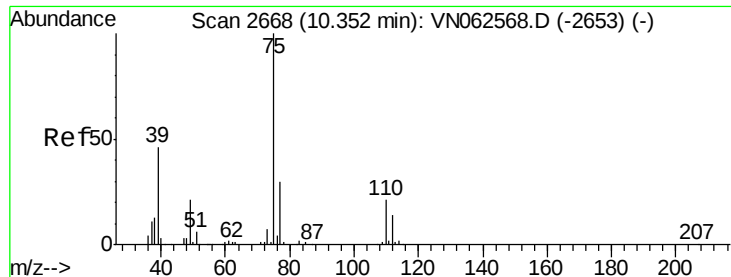
Tgt Ion: 92 Resp: 255047

Ion Ratio Lower Upper

92 100

91 175.0 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 52.189 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 176675

Ion Ratio Lower Upper

75 100

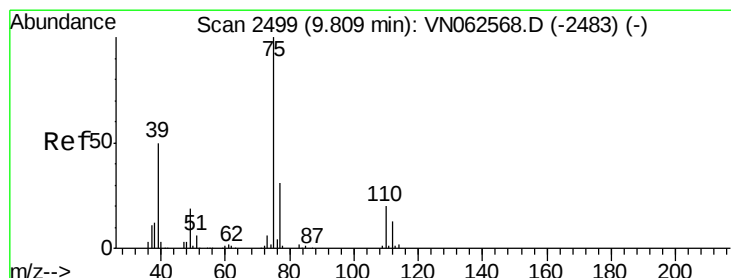
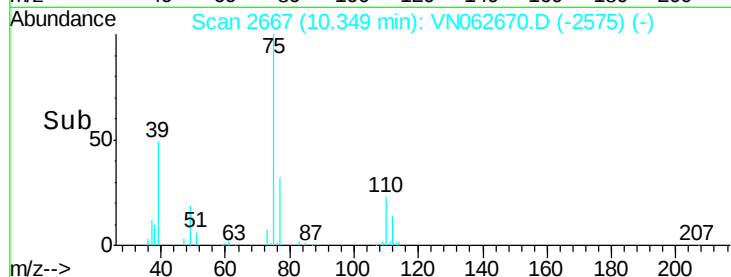
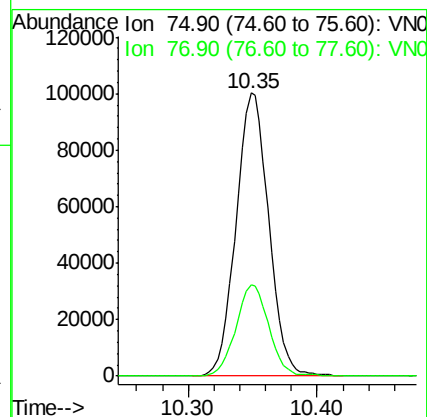
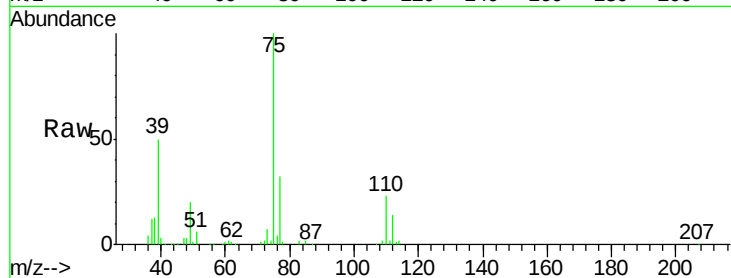
77 32.1 24.3 36.5

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#54

cis-1,3-Dichloropropene

Concen: 51.445 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

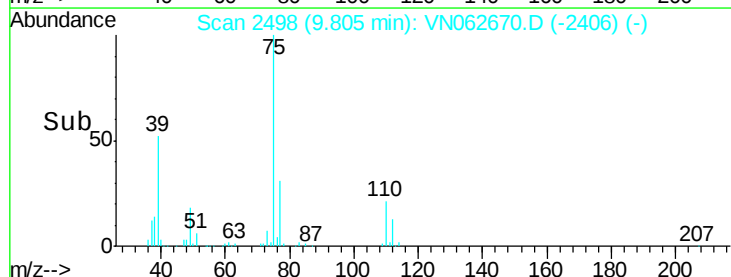
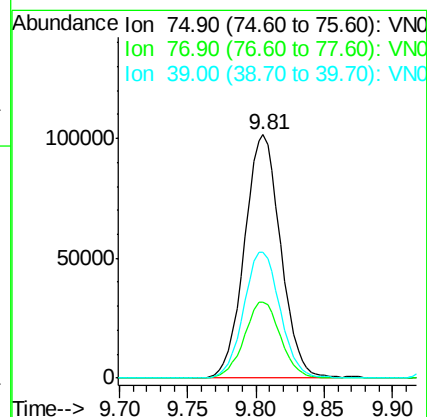
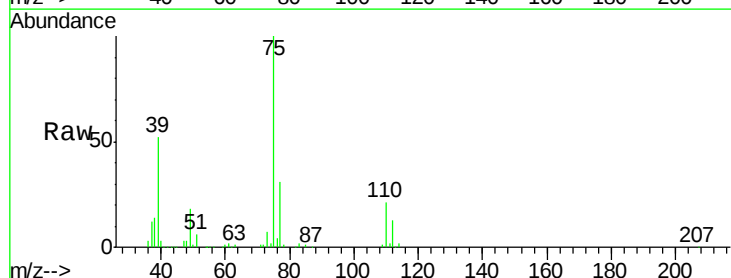
Tgt Ion: 75 Resp: 186876

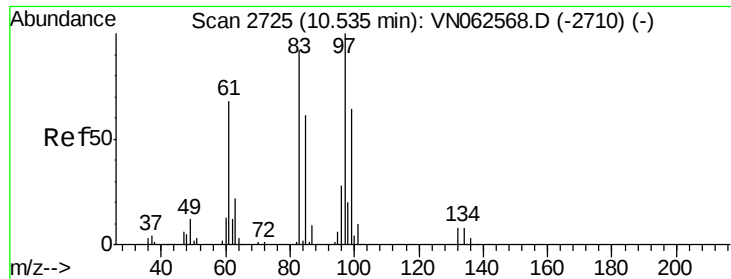
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6

39 51.9 39.8 59.8





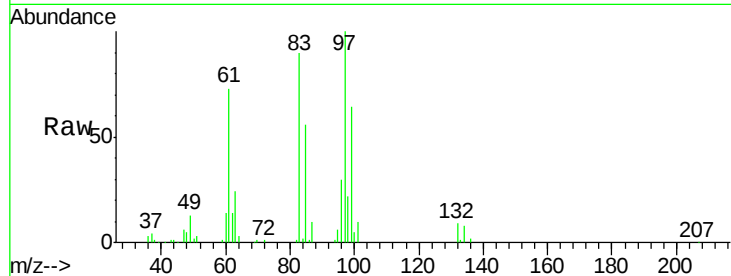
#55
 1,1,2-Trichloroethane
 Concen: 50.583 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98547
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.7	110.5
85	55.9	48.5	72.7
99	64.1	50.8	76.2

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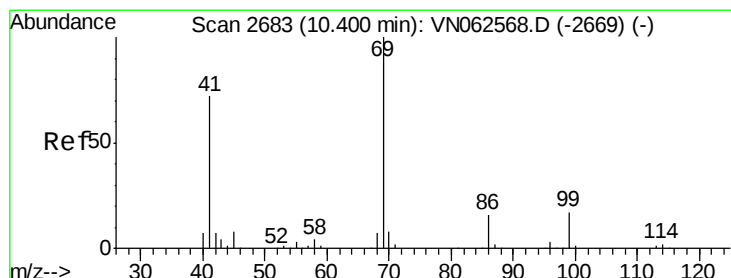
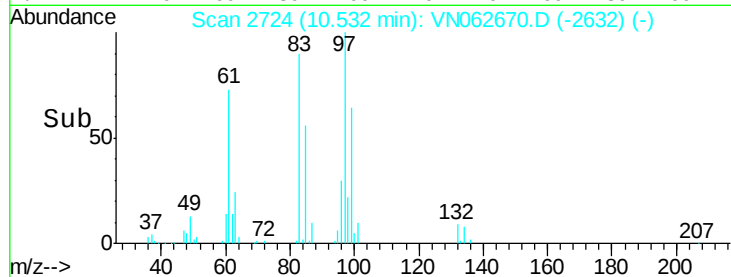
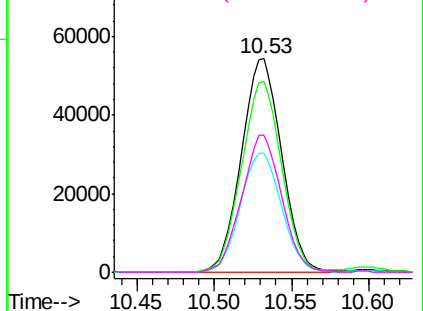
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

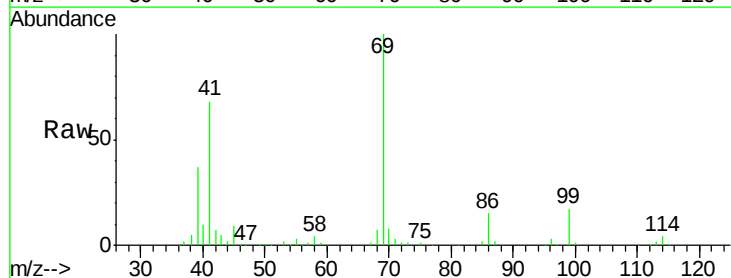
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 46.428 ug/l
 RT: 10.40 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion:	69	Resp:	161960
Ion	Ratio	Lower	Upper
69	100		
41	68.1	57.2	85.8
39	37.7	28.6	43.0

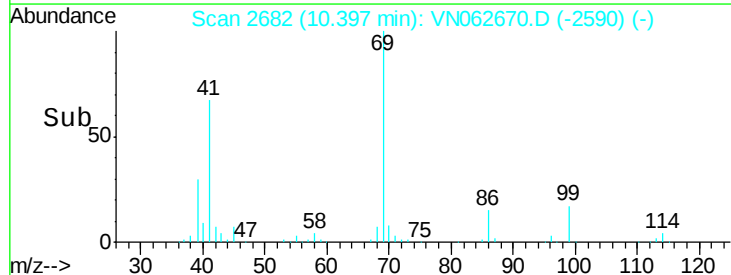
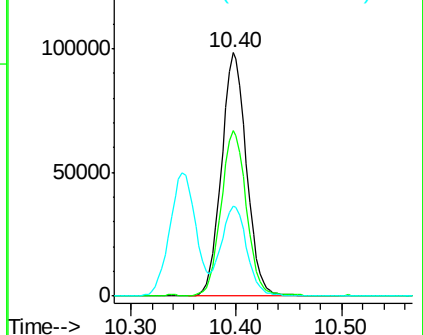


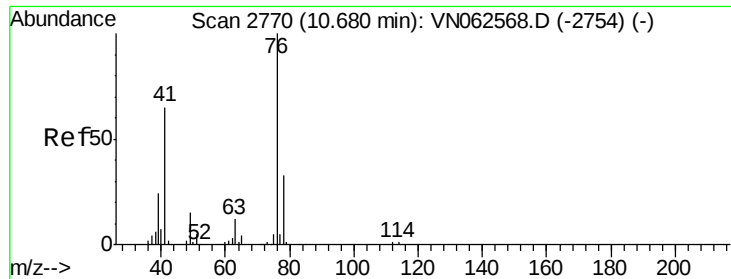
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.278 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 179453

Ion Ratio Lower Upper

76 100

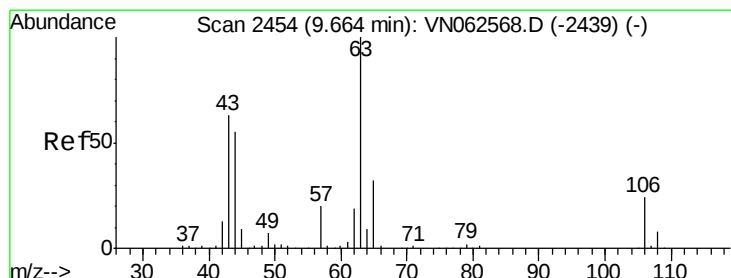
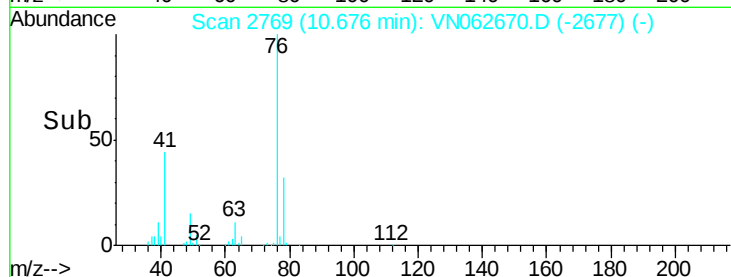
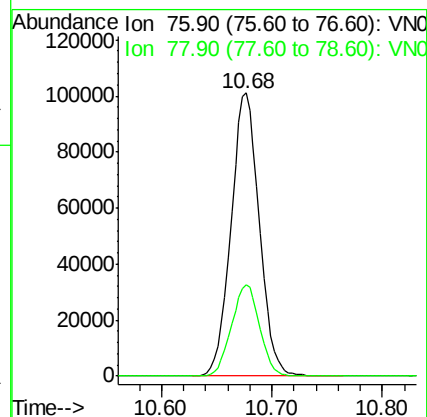
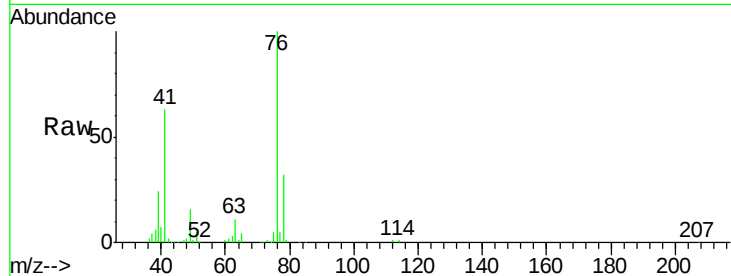
78 32.1 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 250.488 ug/l

RT: 9.66 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VN062670.D

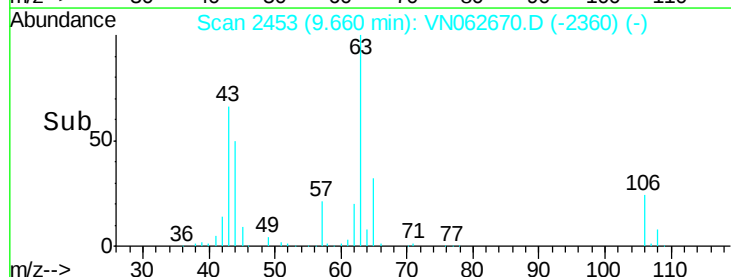
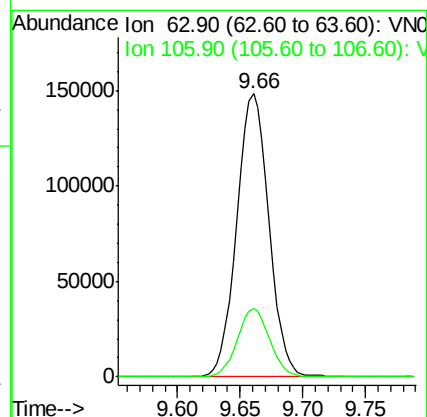
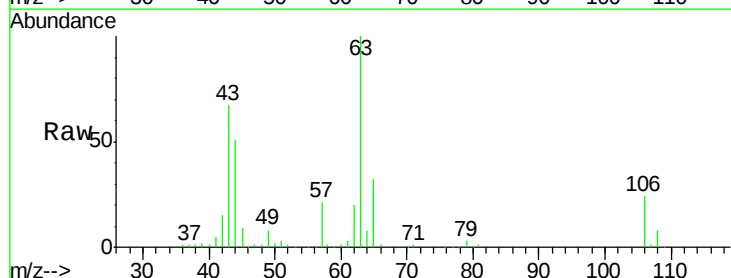
Acq: 30 Jul 2020 15:49

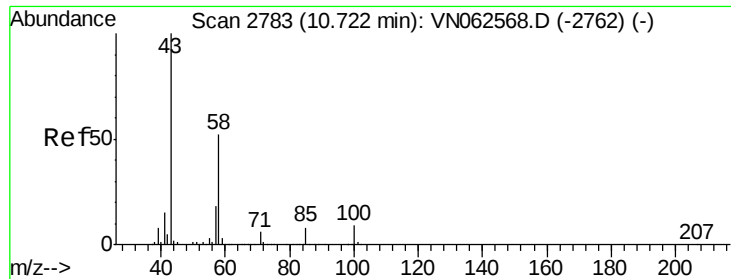
Tgt Ion: 63 Resp: 264117

Ion Ratio Lower Upper

63 100

106 24.2 18.9 28.3





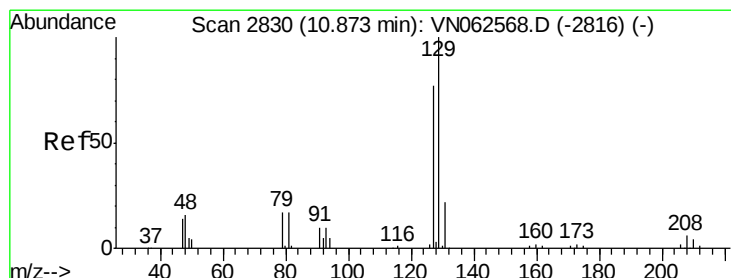
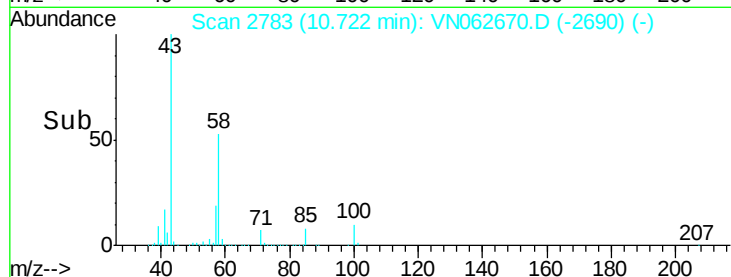
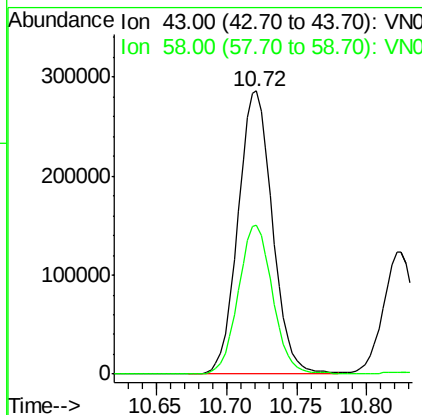
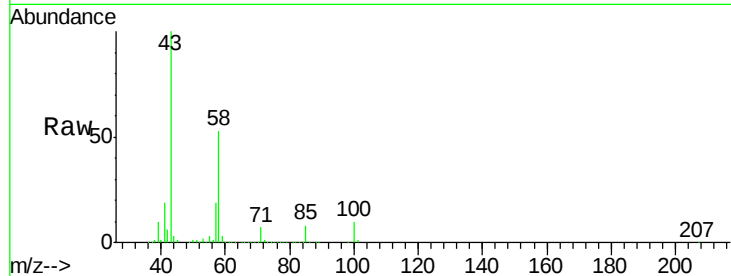
#59
2-Hexanone
Concen: 212.593 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 487390
Ion Ratio Lower Upper
43 100
58 52.8 26.0 78.0

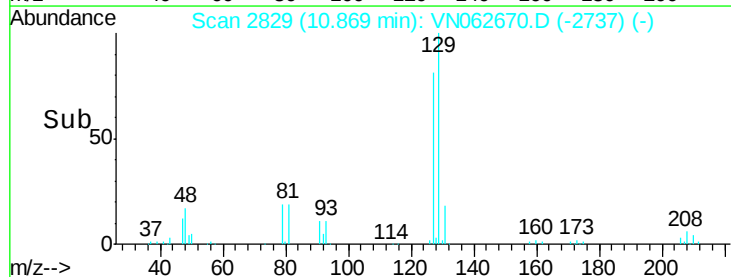
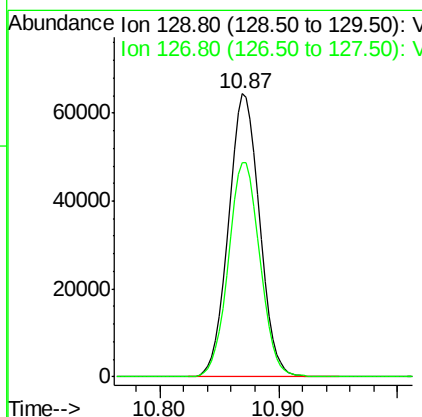
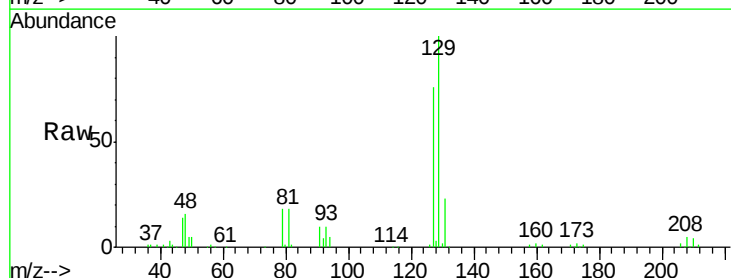
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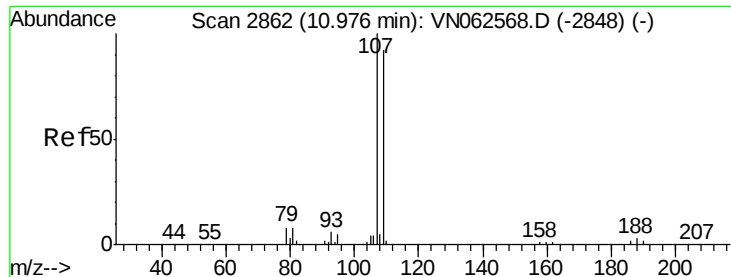
MMDadoda
7/31/2020 11:56:55 AM



#60
Dibromochloromethane
Concen: 53.731 ug/l
RT: 10.87 min Scan# 2829
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion: 129 Resp: 116781
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





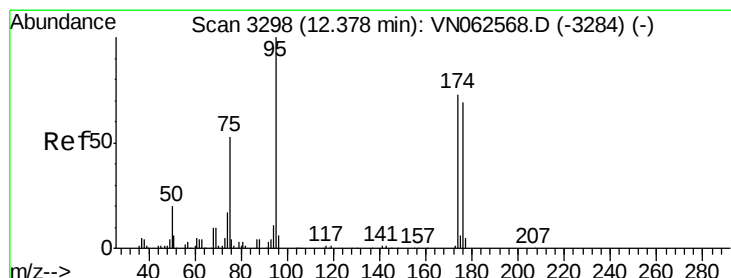
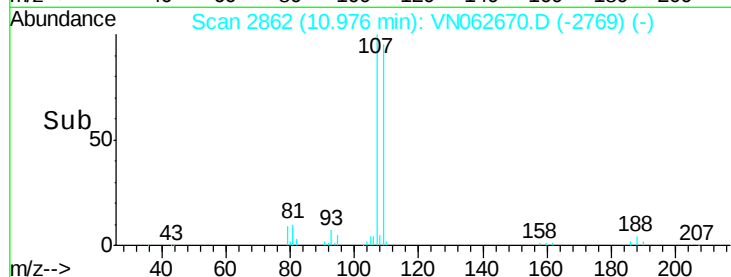
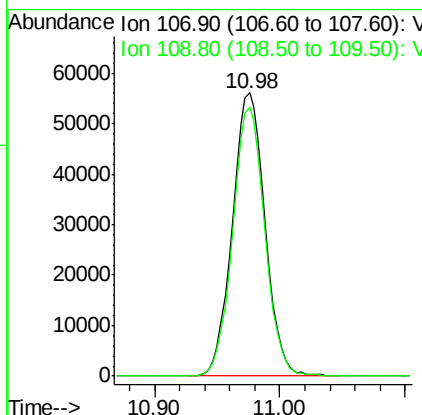
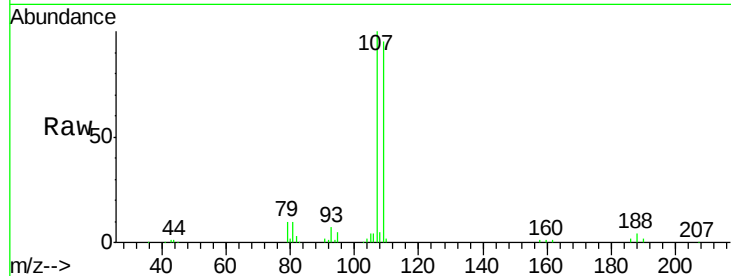
#61
 1,2-Dibromoethane
 Concen: 49.853 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.8	110.6

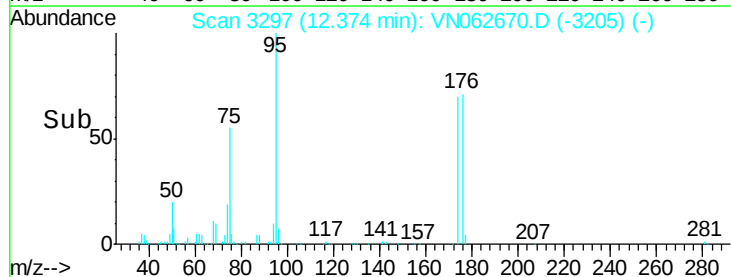
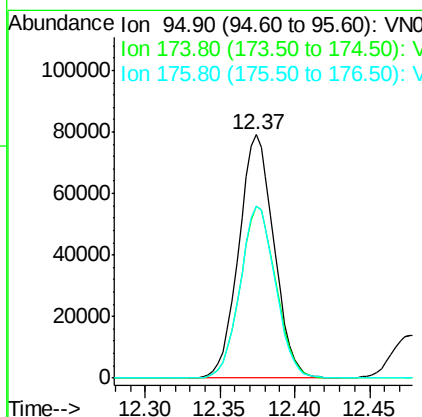
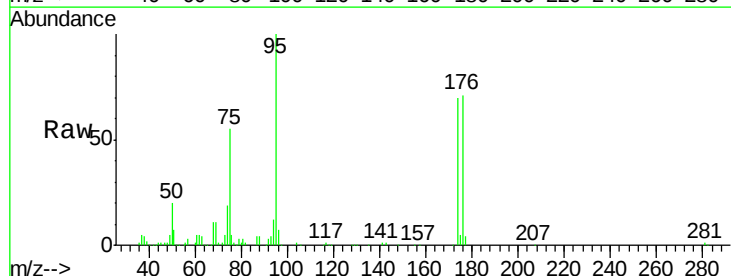
Manual Integrations
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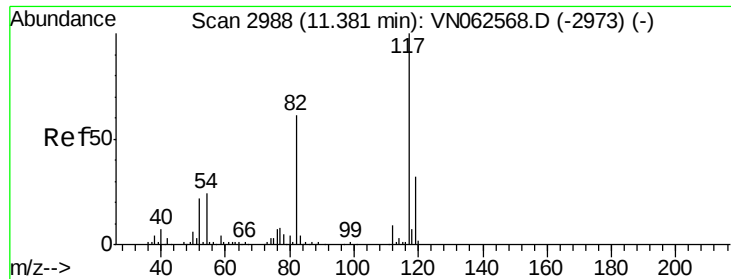
MMDadoda
 7/31/2020 11:56:55 AM



#62
 4-Bromofluorobenzene
 Concen: 50.417 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	144.6
176	70.9	0.0	139.4





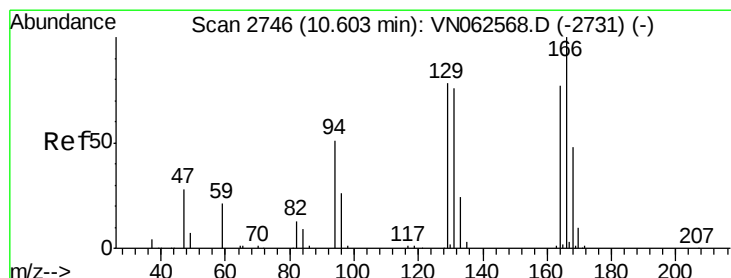
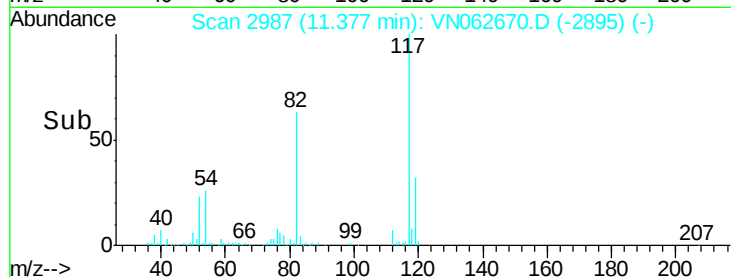
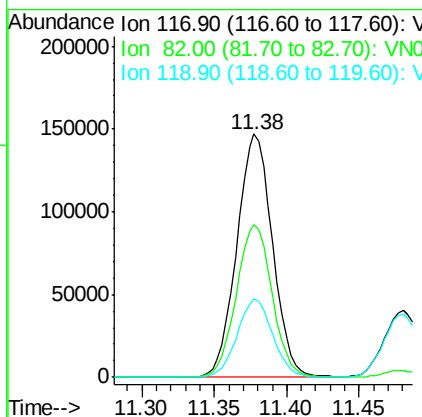
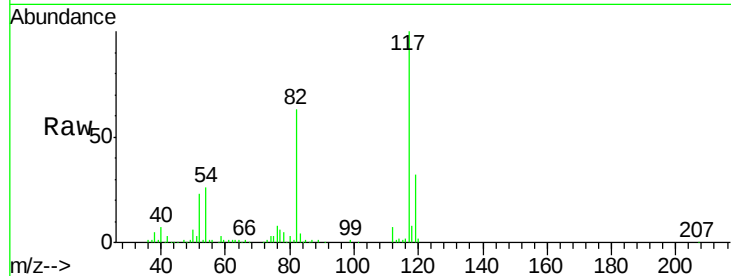
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252173		
82	62.9	49.0	73.6	
119	32.1	25.4	38.2	

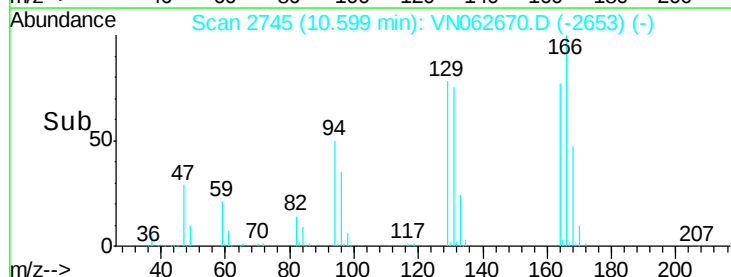
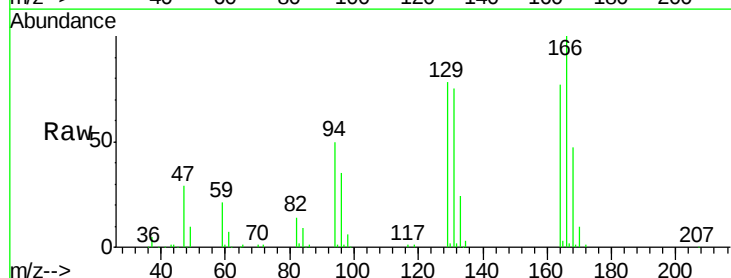
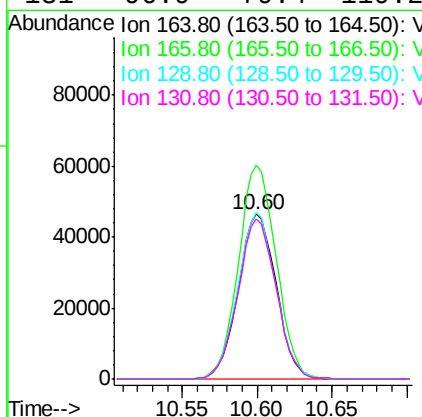
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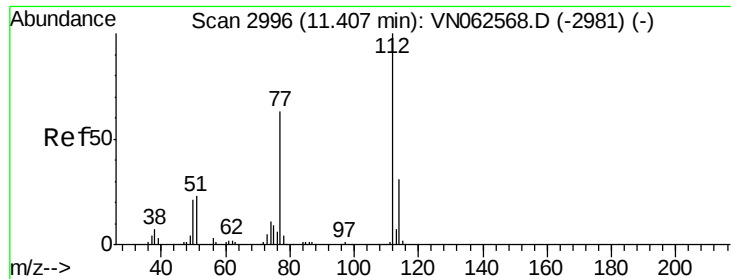
MMDadoda
7/31/2020 11:56:55 AM



#64
Tetrachloroethene
Concen: 50.232 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82302		
166	129.6	104.4	156.6	
129	100.9	81.0	121.4	
131	96.9	79.4	119.2	





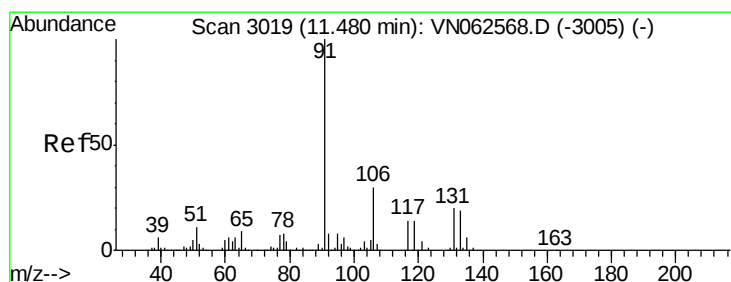
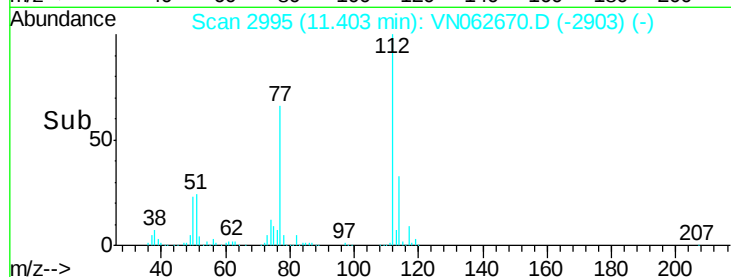
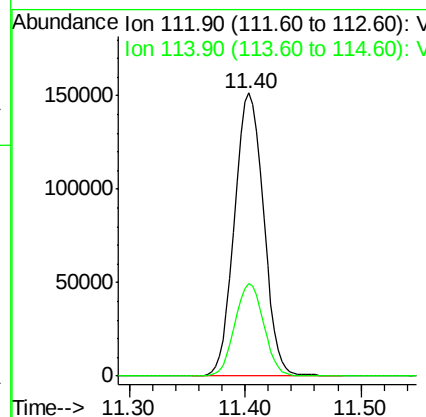
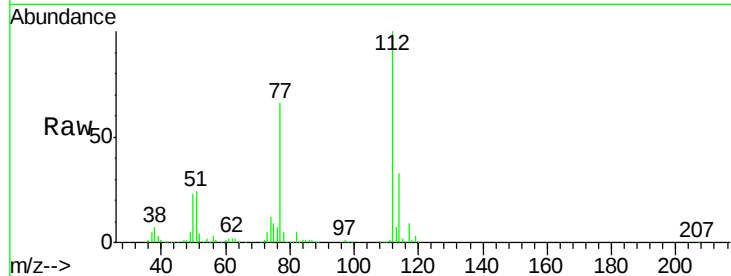
#65
Chlorobenzene
Concen: 49.855 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 263566
Ion Ratio Lower Upper
112 100
114 32.7 25.1 37.7

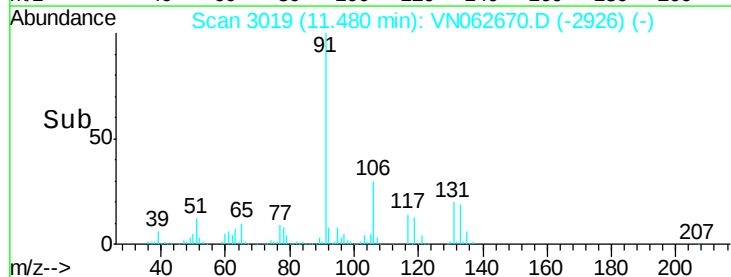
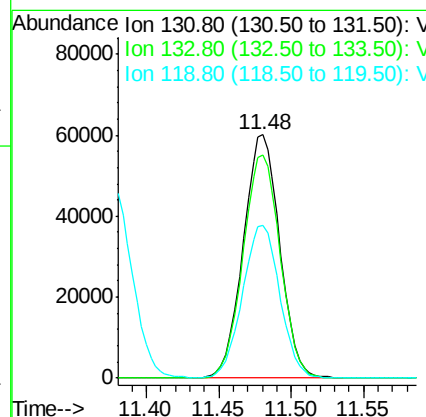
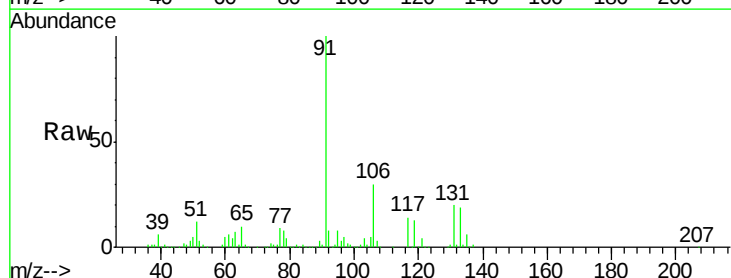
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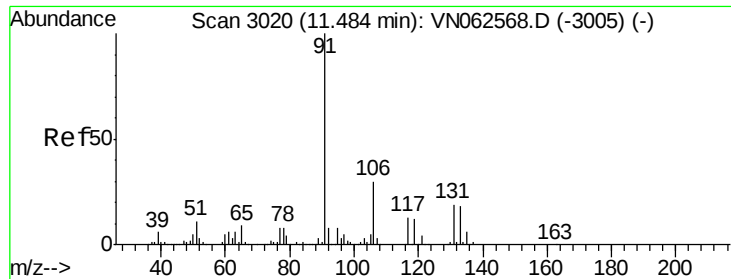
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.834 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion:131 Resp: 105077
Ion Ratio Lower Upper
131 100
133 93.5 47.3 142.0
119 64.3 33.7 101.0





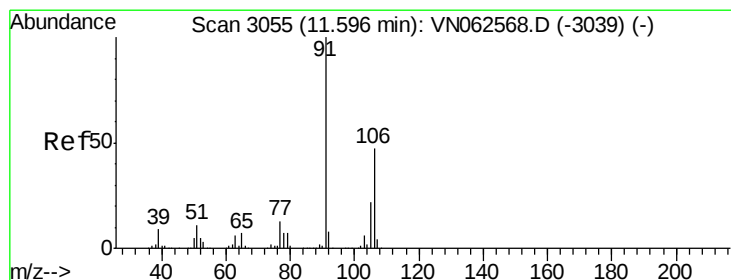
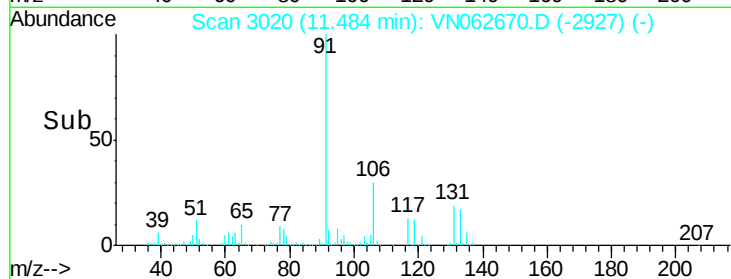
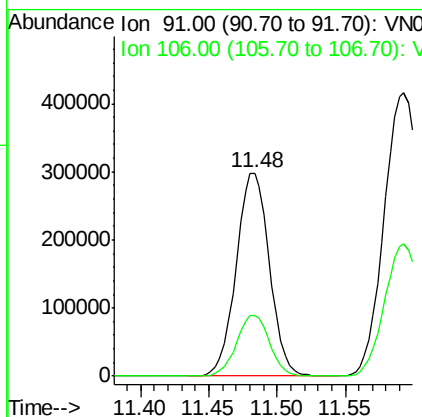
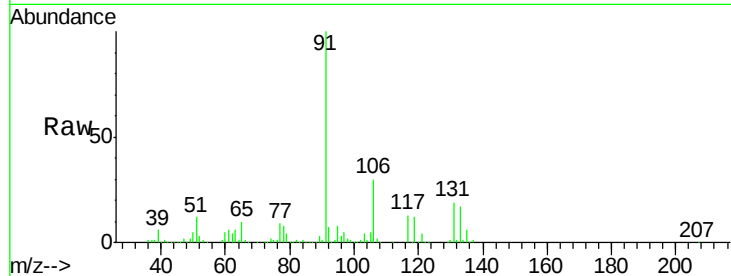
#67
Ethyl Benzene
Concen: 51.979 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 503840
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

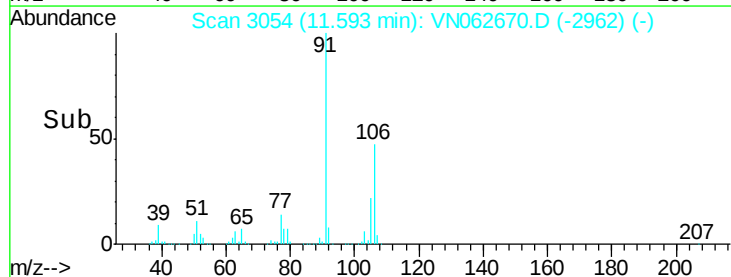
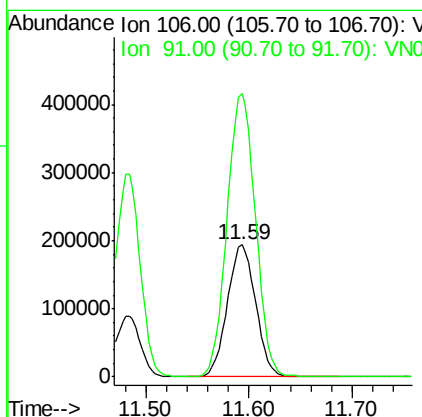
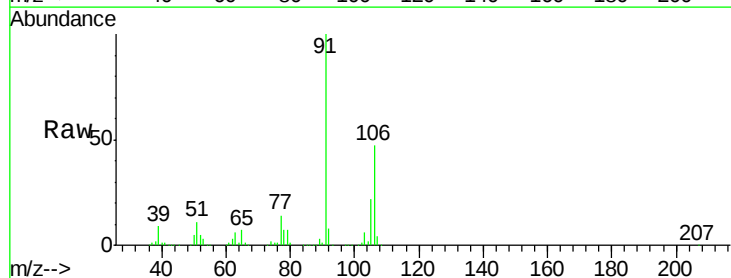
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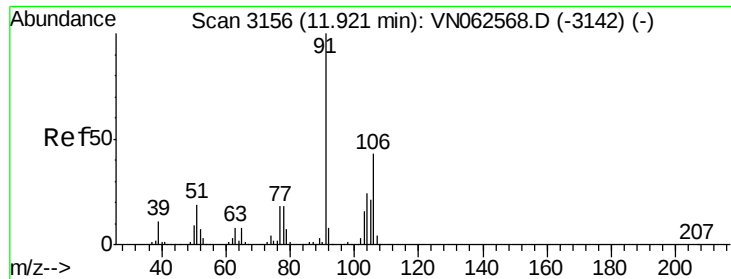
MMDadoda
7/31/2020 11:56:55 AM



#68
m/p-Xylenes
Concen: 106.145 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion: 106 Resp: 369808
Ion Ratio Lower Upper
106 100
91 216.2 171.4 257.2





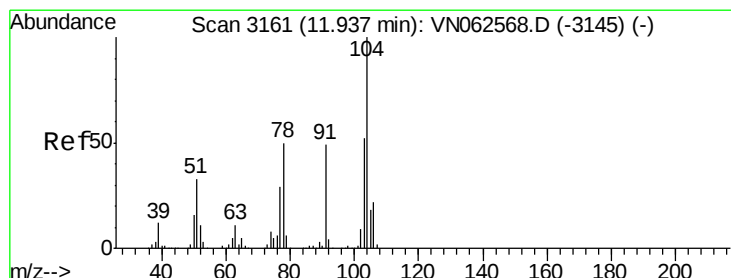
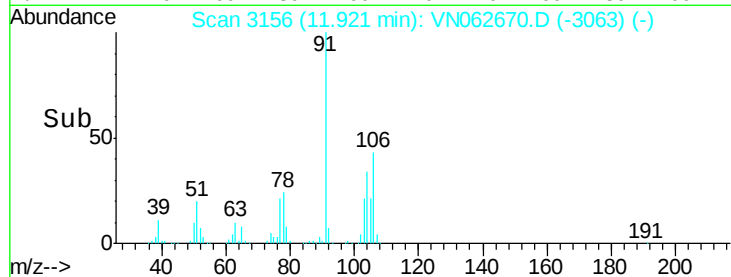
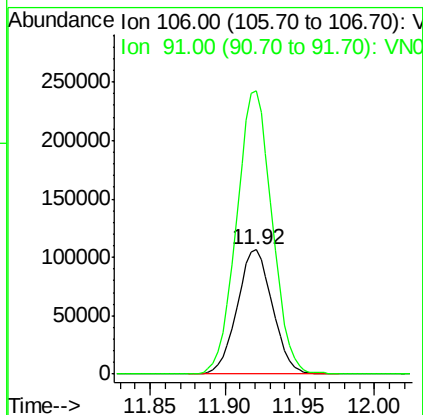
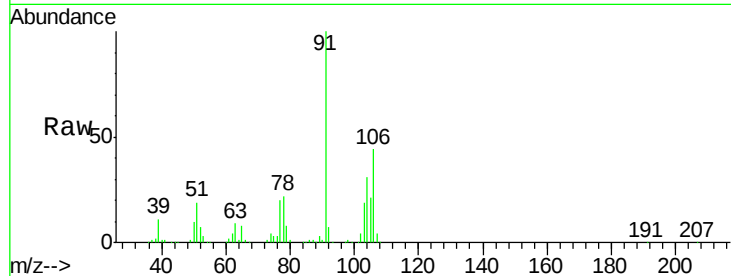
#69
o-Xylene
Concen: 53.035 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	228.7	113.8	341.2

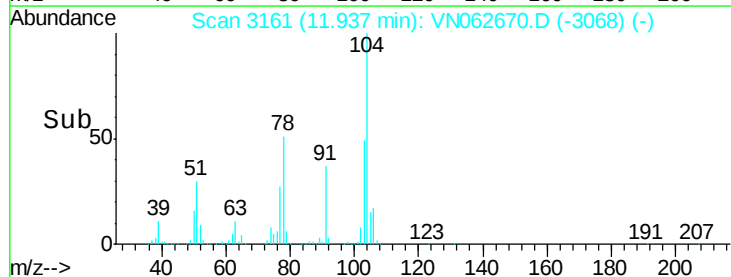
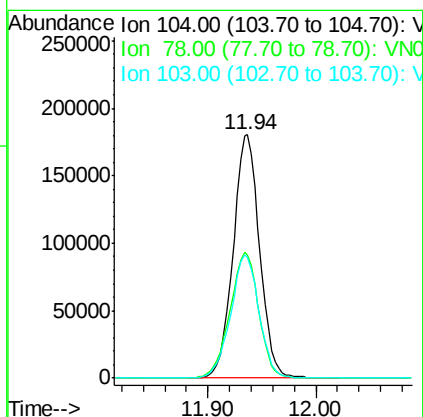
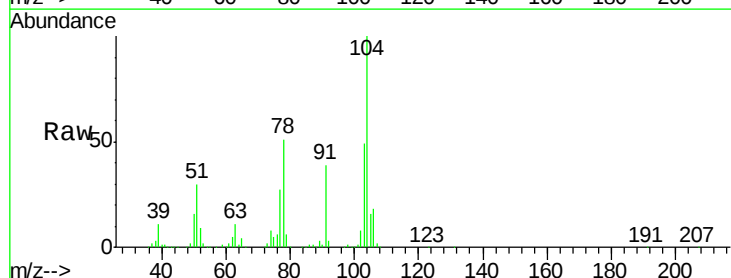
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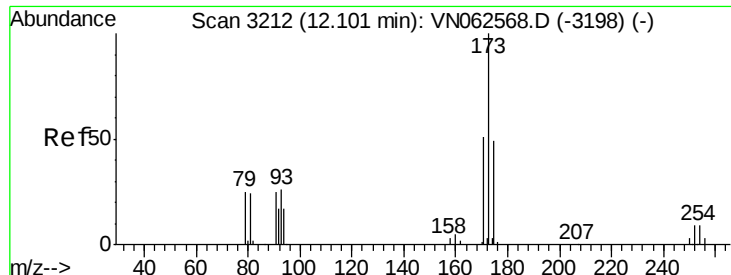
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#70
Styrene
Concen: 55.177 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.4	43.8	65.6
103	54.4	44.0	66.0





#71

Bromoform

Concen: 52.672 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 78654

Ion Ratio Lower Upper

173 100

175 50.5 24.1 72.2

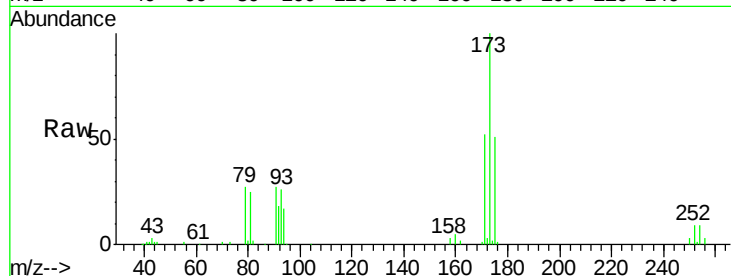
254 0.1 0.0 0.0#

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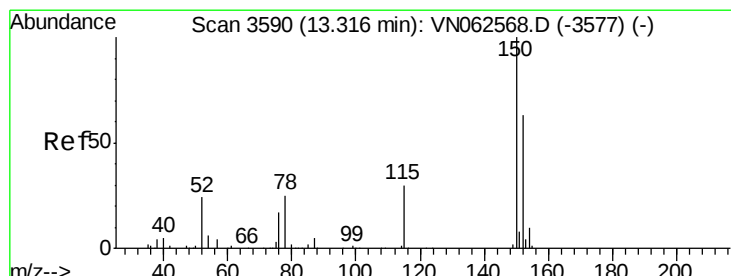
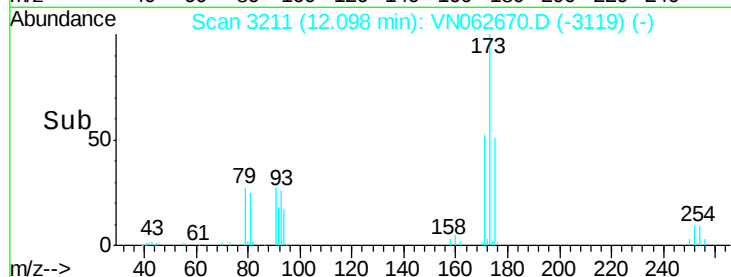
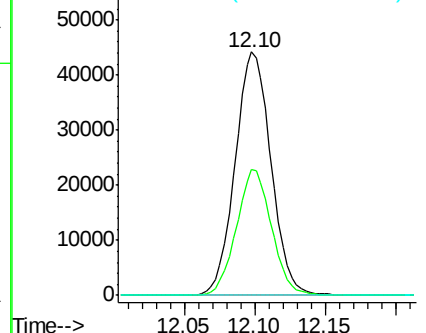
7/31/2020 11:56:55 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

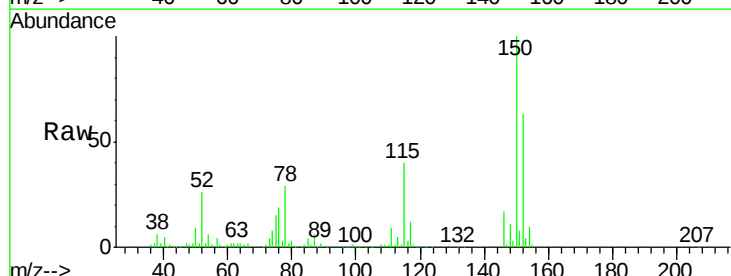
Tgt Ion:152 Resp: 127225

Ion Ratio Lower Upper

152 100

115 63.5 31.8 95.4

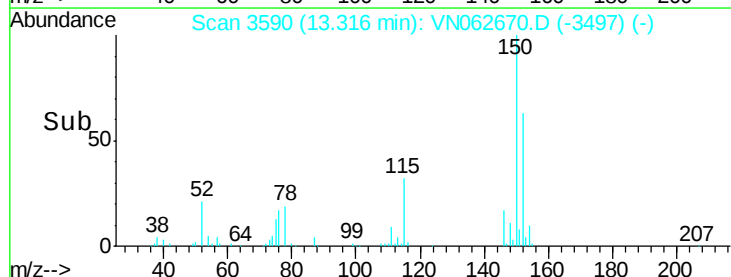
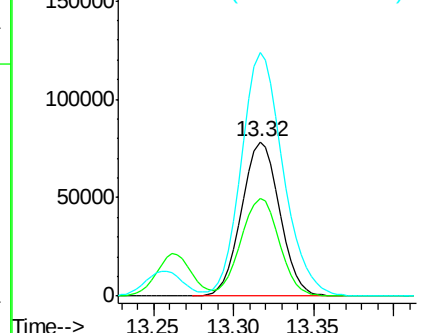
150 173.7 0.0 351.4

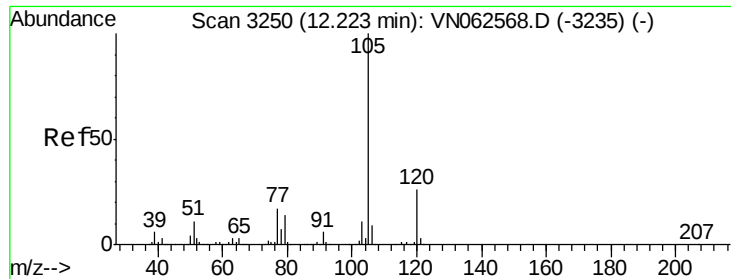


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.845 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 491370

Ion Ratio Lower Upper

105 100

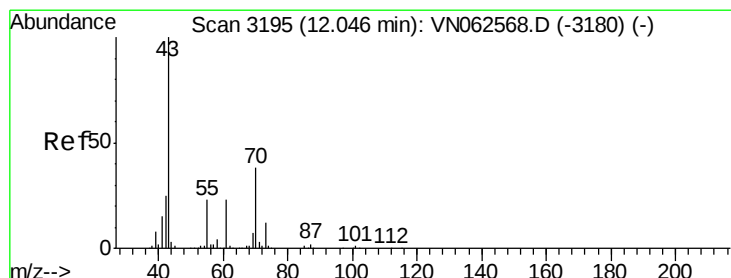
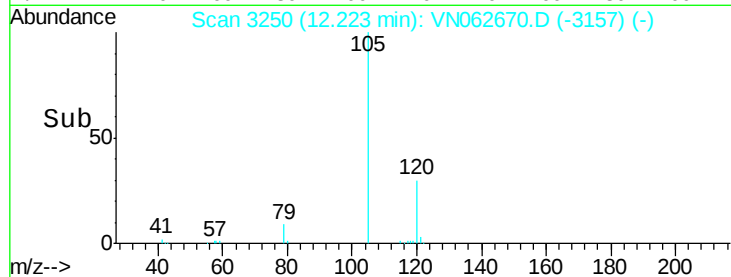
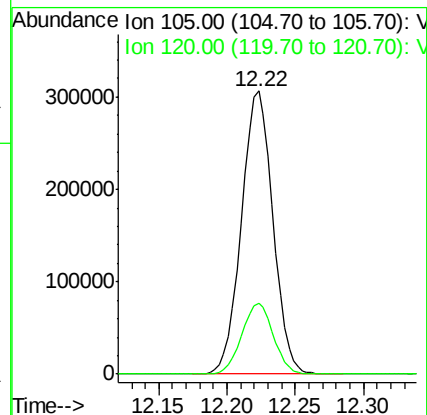
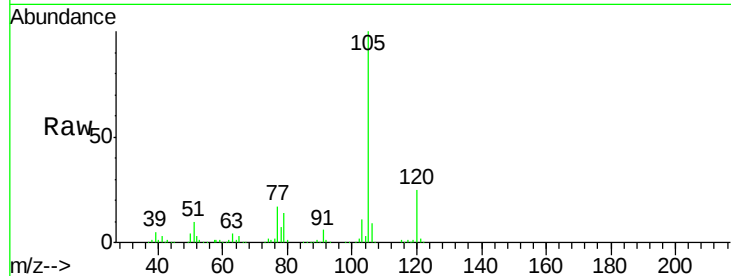
120 25.0 12.8 38.4

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#74

N-ethyl acetate

Concen: 45.790 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion: 43 Resp: 205714

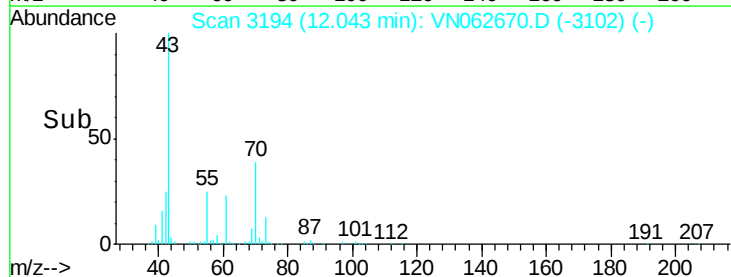
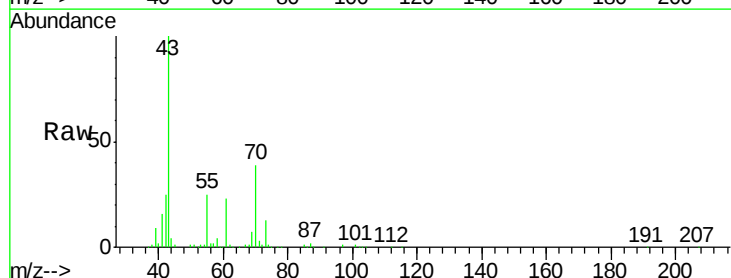
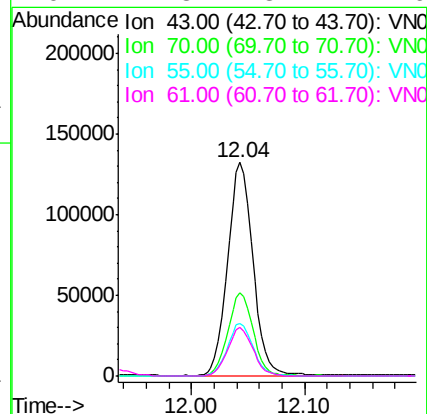
Ion Ratio Lower Upper

43 100

70 38.9 30.5 45.7

55 25.4 19.0 28.6

61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 41.485 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

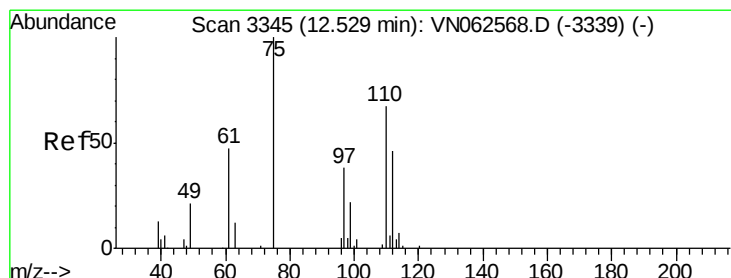
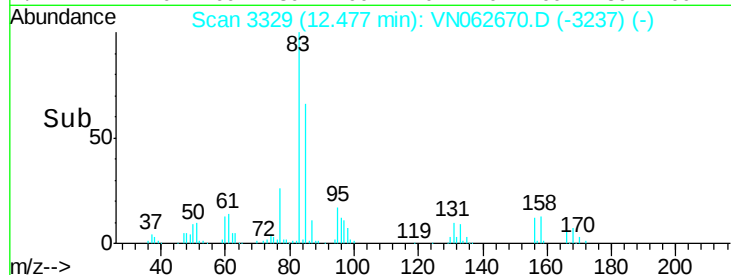
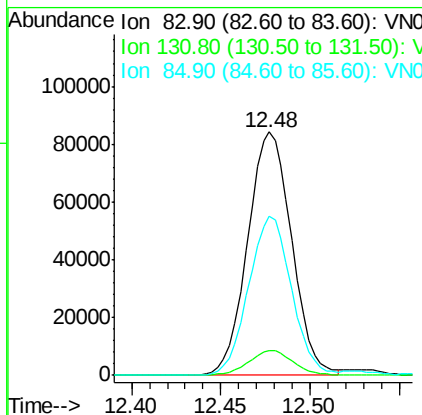
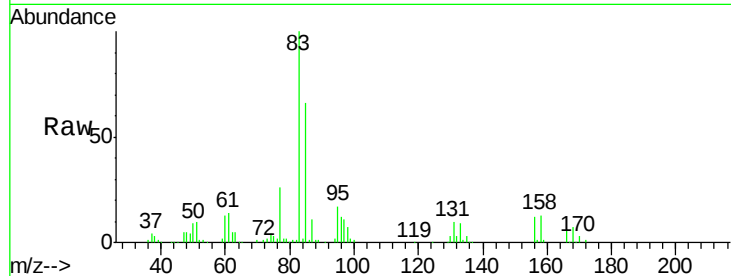
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	145023
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.8	14.3
85	63.8	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 42.302 ug/l m

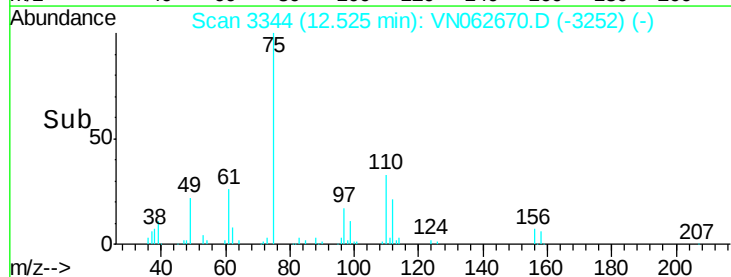
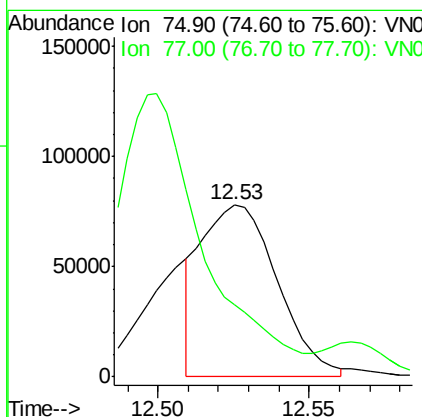
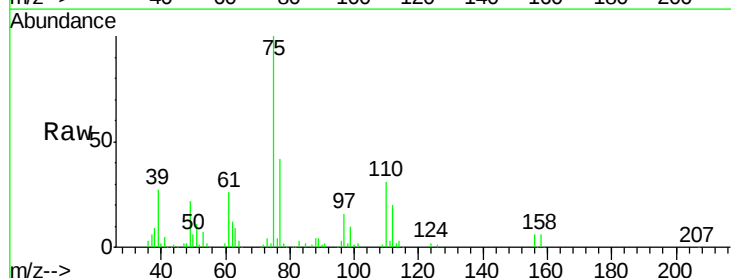
RT: 12.53 min Scan# 3344

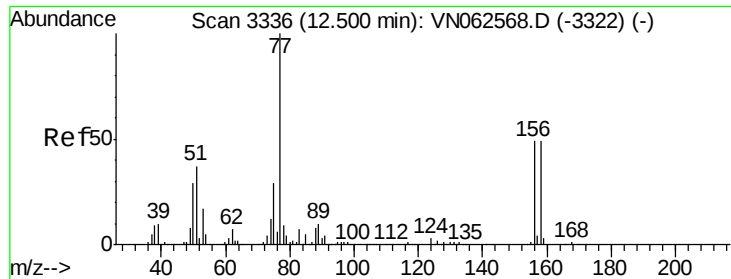
Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion:	75	Resp:	136987
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





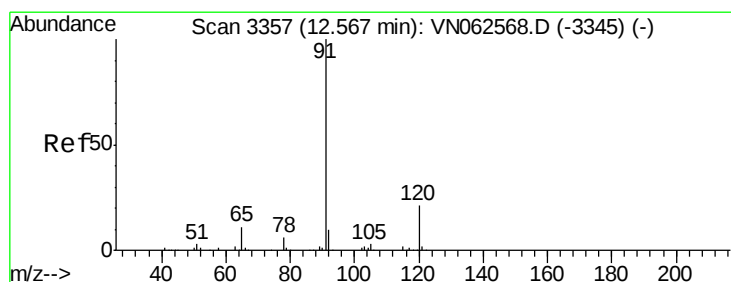
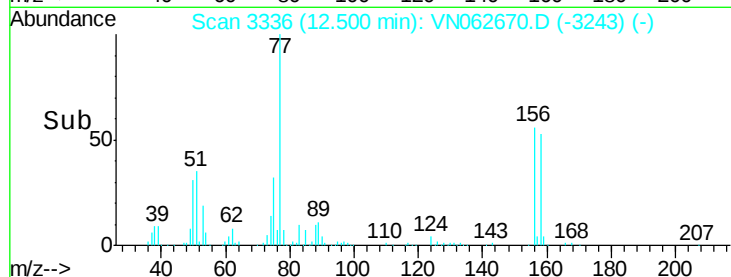
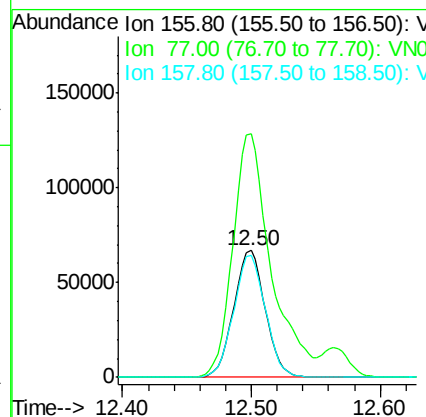
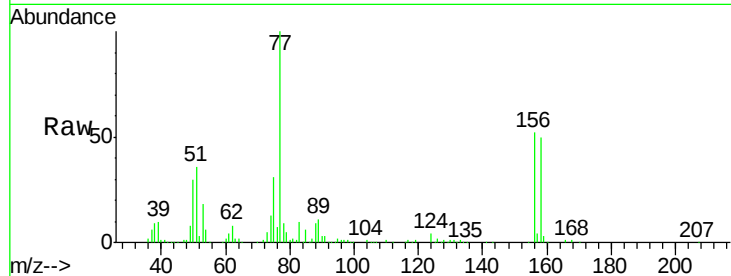
#77
Bromobenzene
Concen: 46.897 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.5	122.8	368.3
158	97.1	49.4	148.0

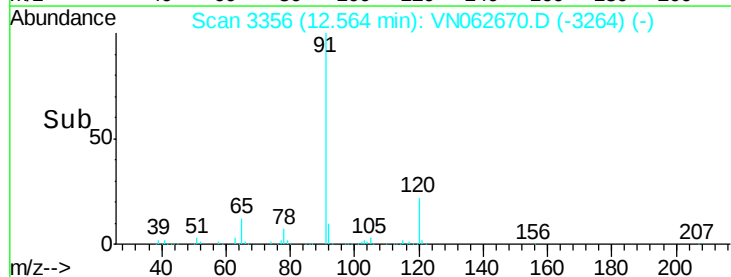
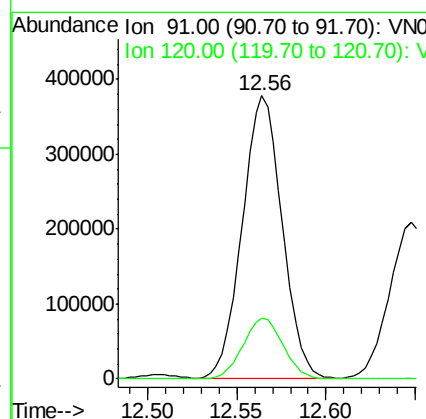
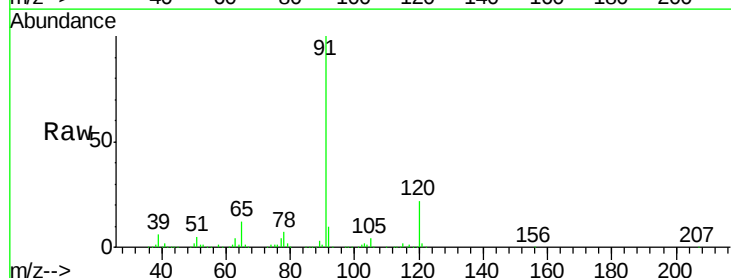
Manual Integrations
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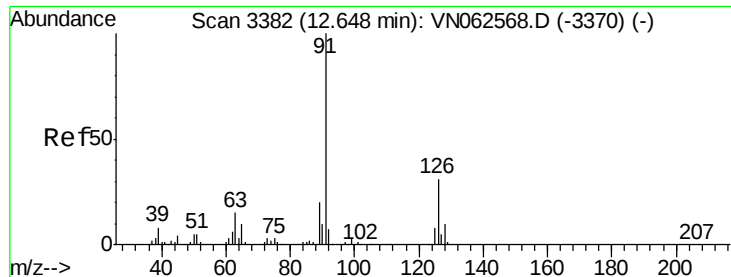
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#78
n-propylbenzene
Concen: 49.883 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





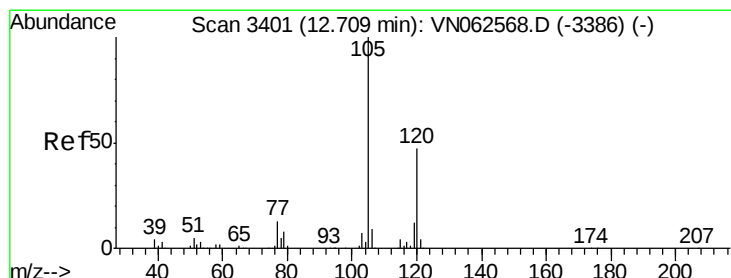
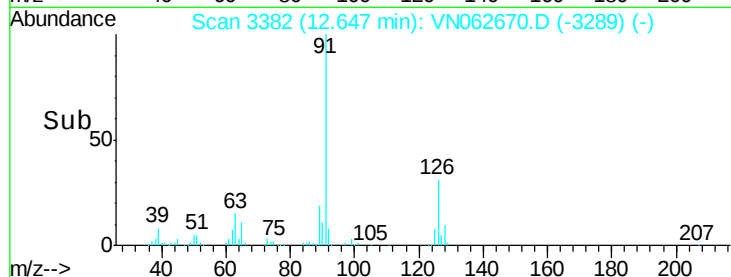
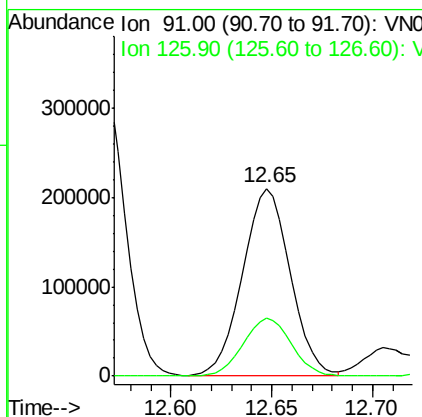
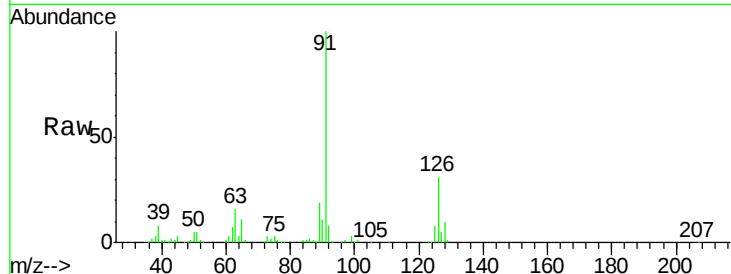
#79
 2-Chlorotoluene
 Concen: 47.524 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	31.4	15.9	47.6	

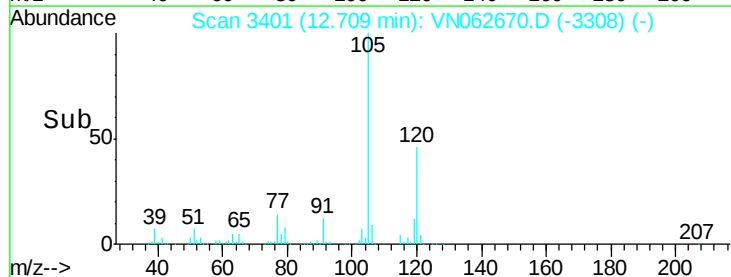
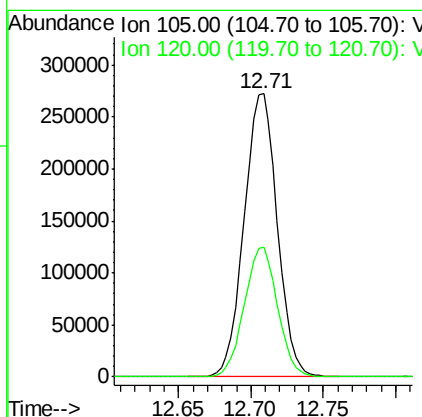
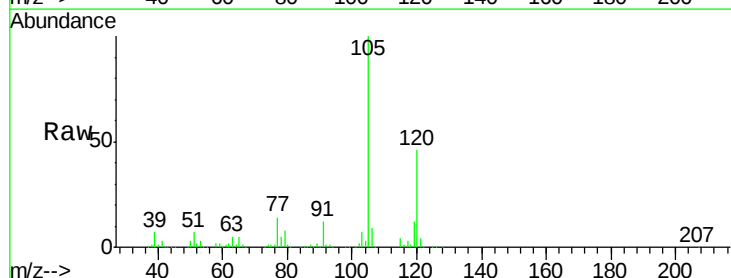
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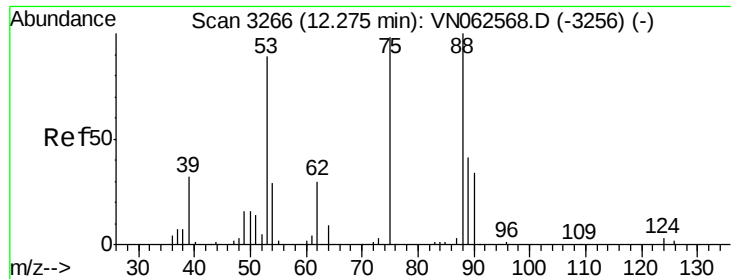
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.814 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	46.1	23.2	69.6	





#81

trans-1,4-Dichloro-2-butene

Concen: 45.649 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

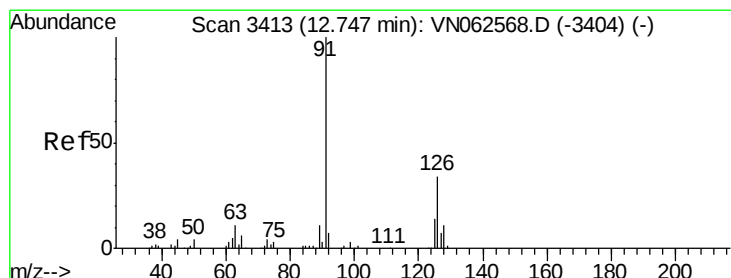
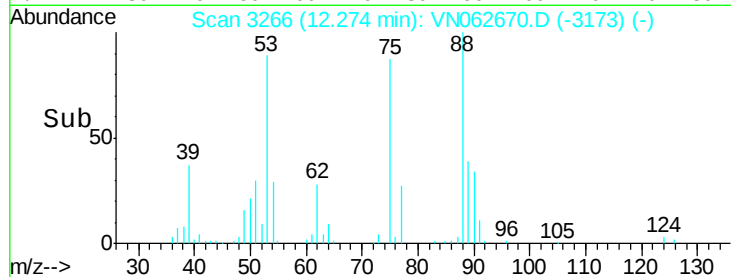
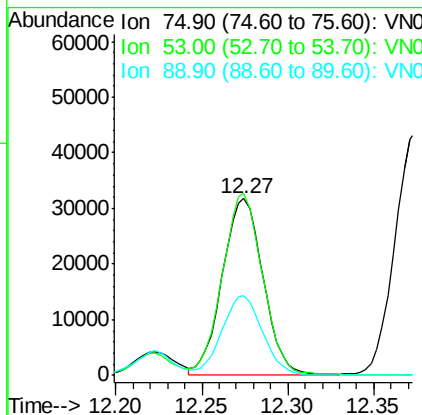
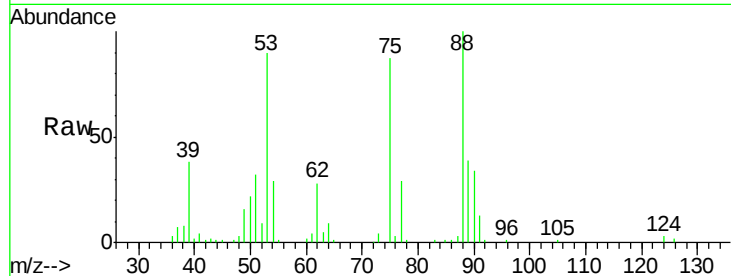
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	53103
Ion	Ratio	Lower	Upper
75	100		
53	101.2	75.4	113.0
89	44.9	34.5	51.7

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#82

4-Chlorotoluene

Concen: 48.157 ug/l

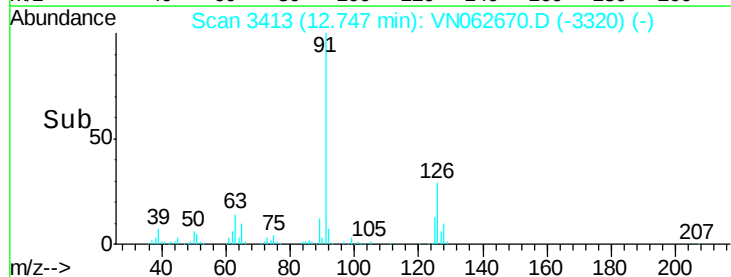
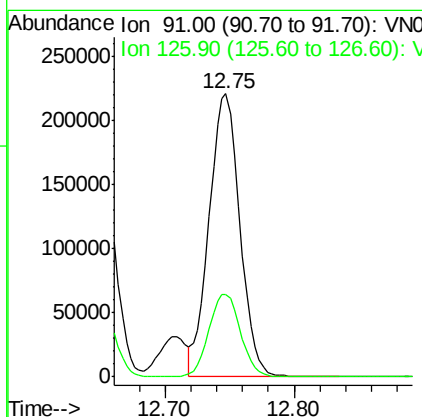
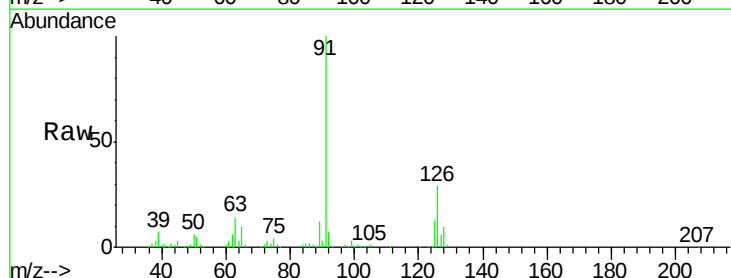
RT: 12.75 min Scan# 3413

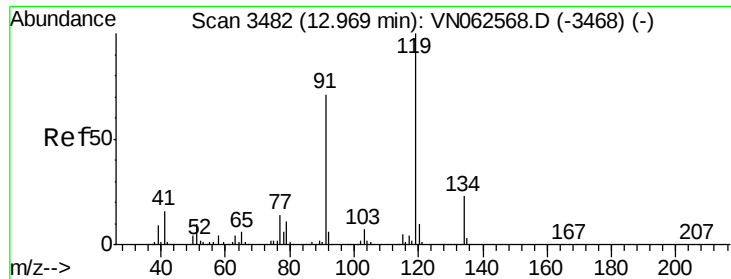
Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion:	91	Resp:	364015
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.4	46.4





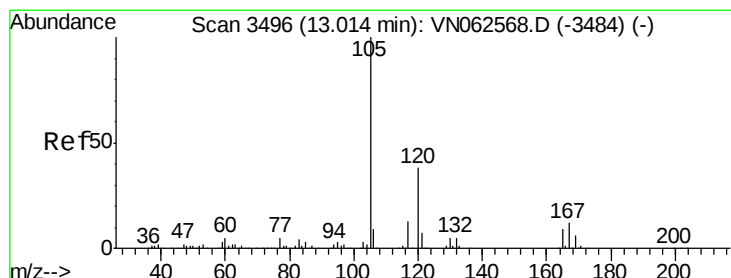
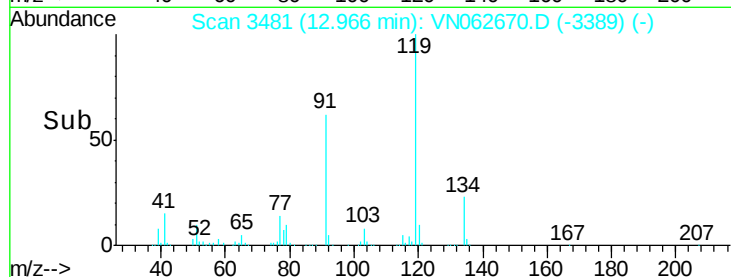
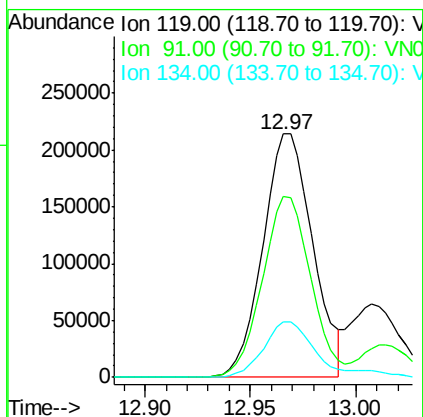
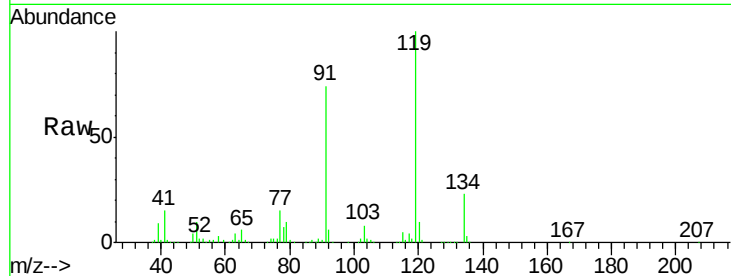
#83
tert-Butylbenzene
Concen: 50.813 ug/l
RT: 12.97 min Scan# 3481
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.1	34.6	103.8
134	22.8	11.5	34.4

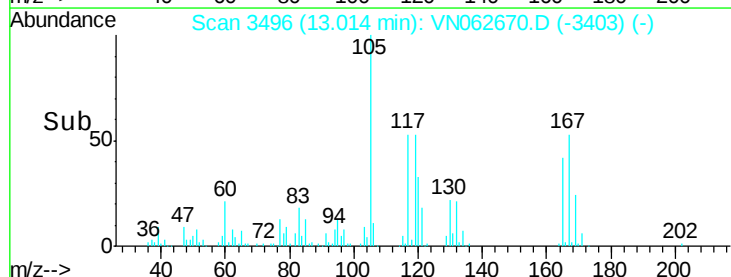
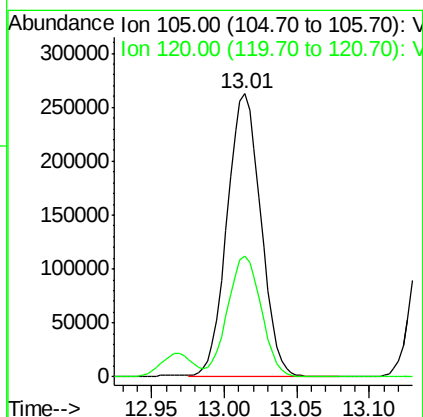
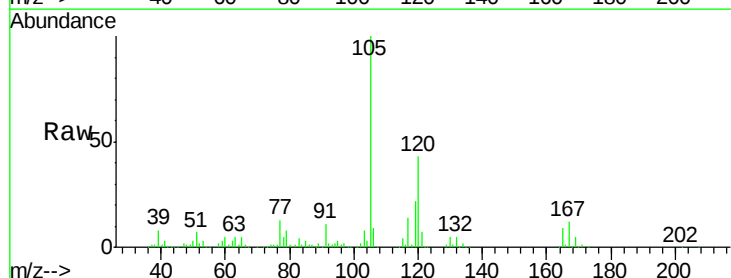
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 51.584 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.1	66.3





#85

sec-Butylbenzene

Concen: 51.963 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 482032

Ion Ratio Lower Upper

105 100

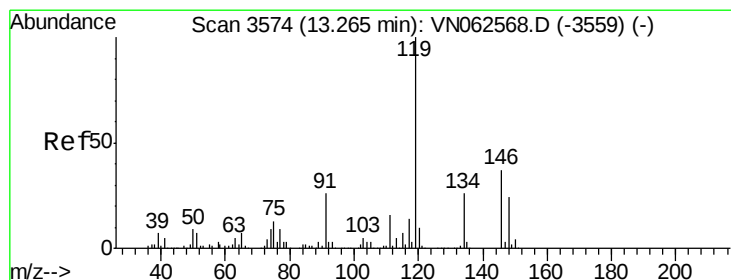
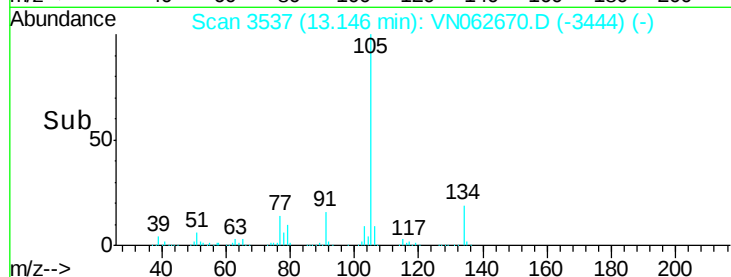
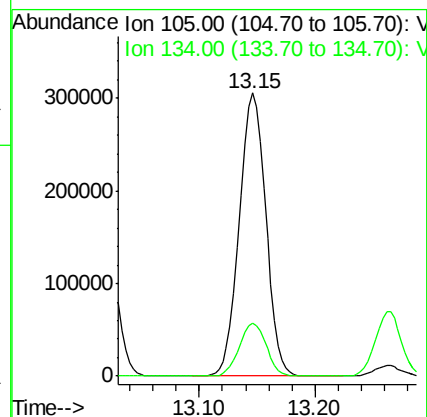
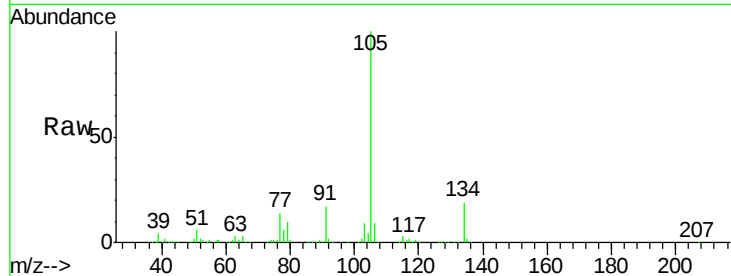
134 19.0 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.784 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

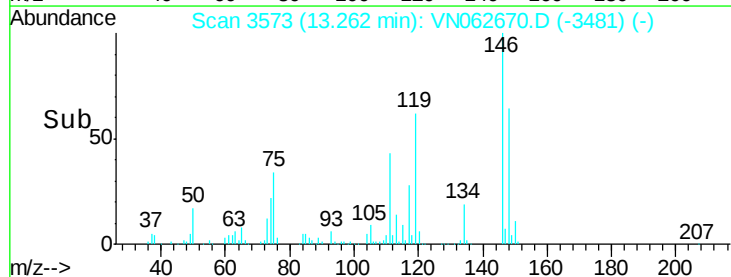
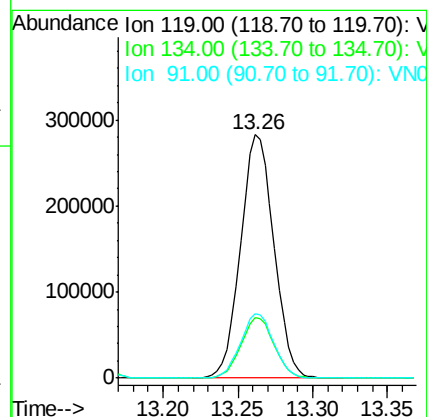
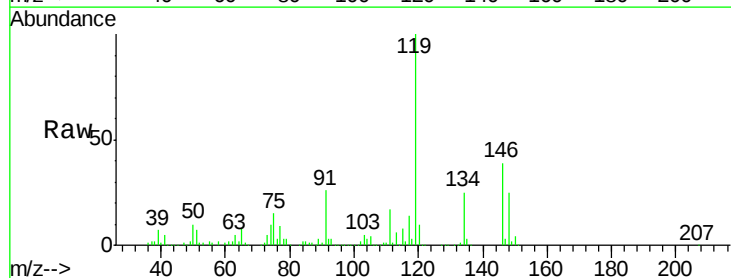
Tgt Ion:119 Resp: 437093

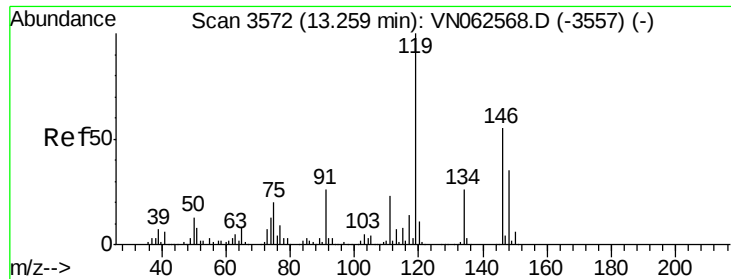
Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.4

91 26.3 12.7 38.1





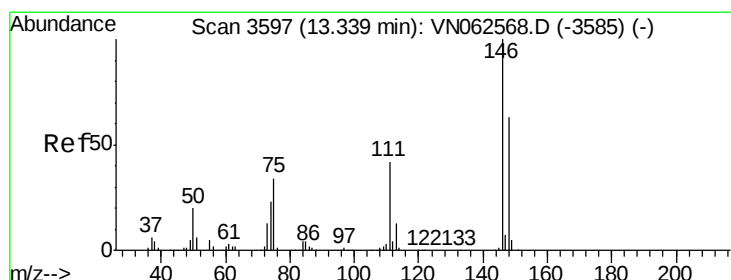
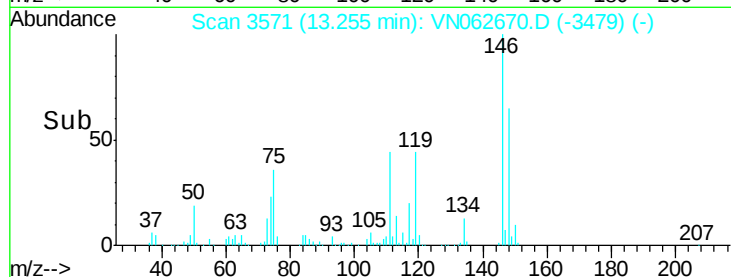
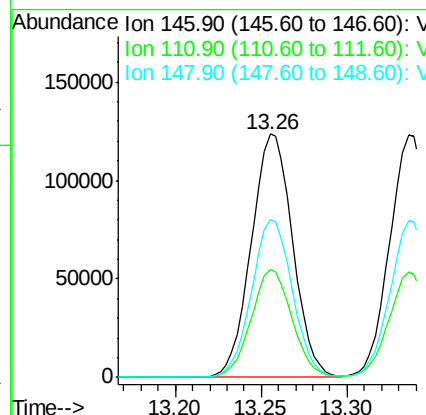
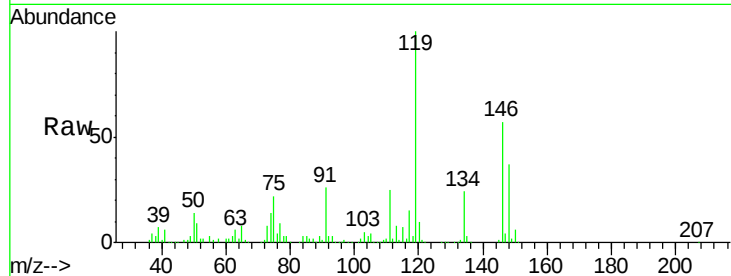
#87
 1,3-Dichlorobenzene
 Concen: 48.569 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.6
148	63.9	31.8	95.4

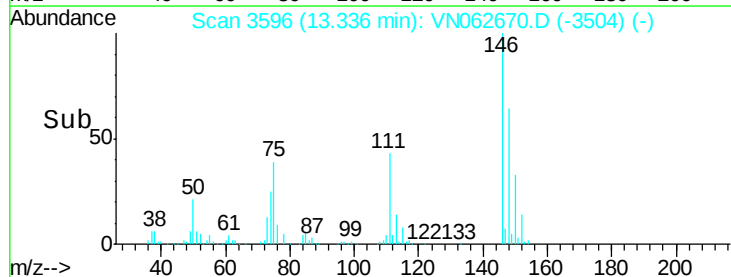
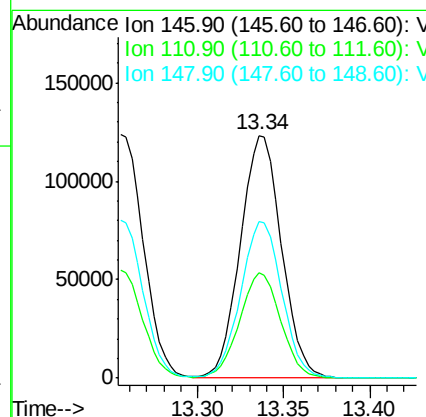
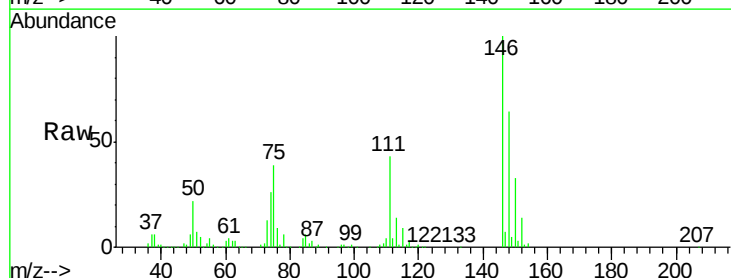
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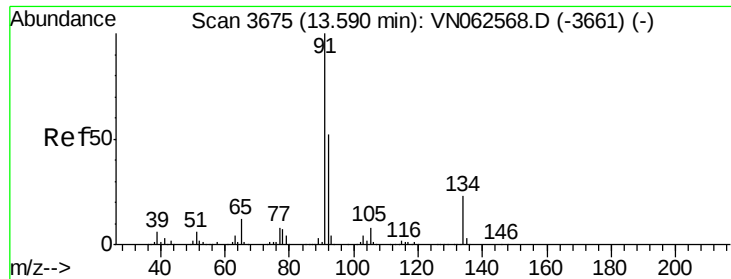
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#88
 1,4-Dichlorobenzene
 Concen: 48.584 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.1	63.1
148	65.1	31.6	94.8





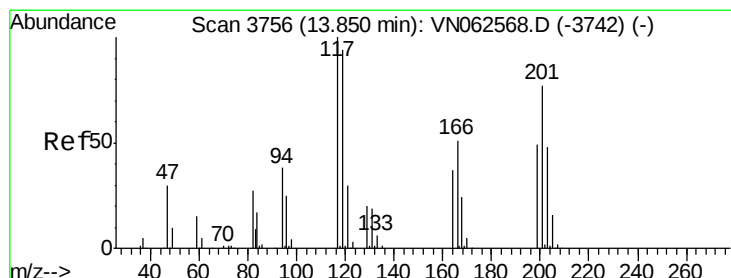
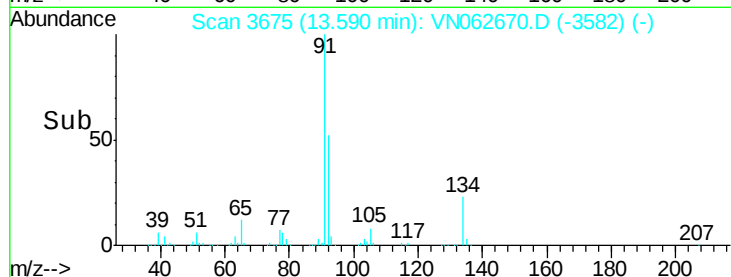
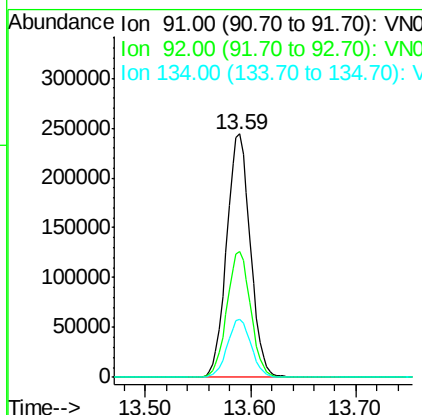
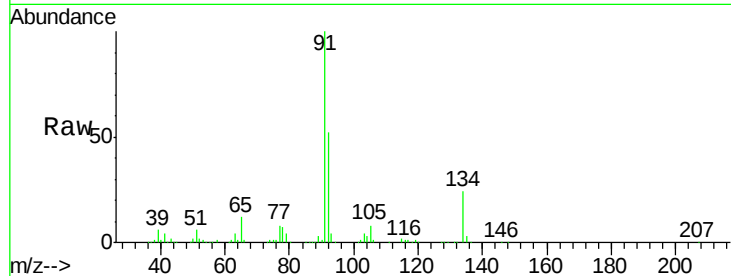
#89
n-Butylbenzene
Concen: 55.211 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.3
134	23.8	11.8	35.3

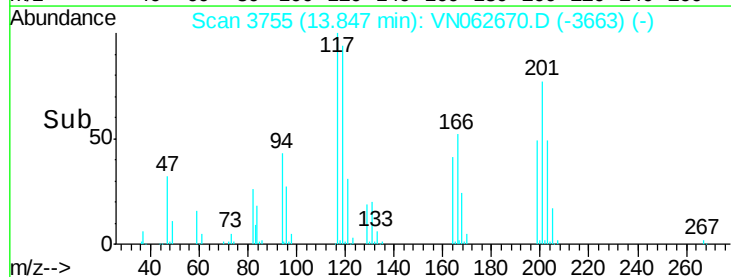
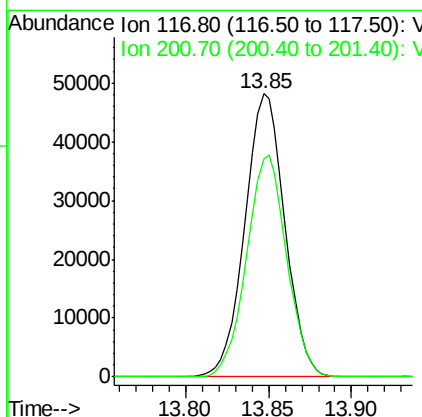
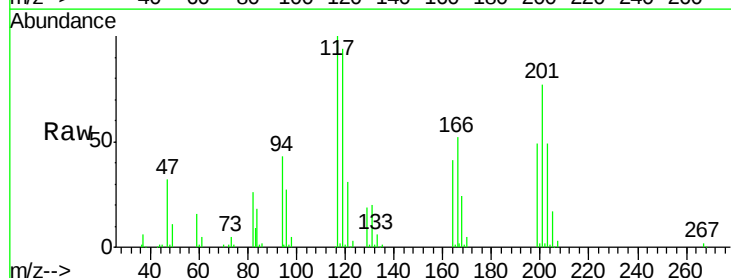
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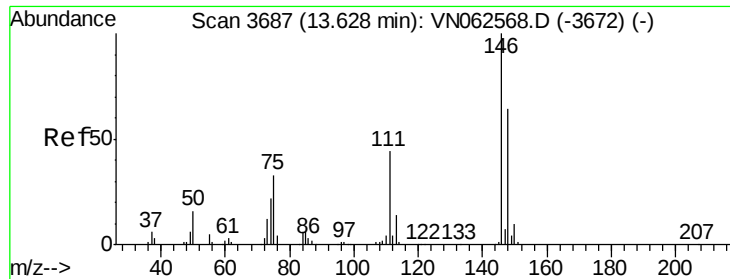
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#90
Hexachloroethane
Concen: 47.420 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062670.D
Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	39.2	117.6





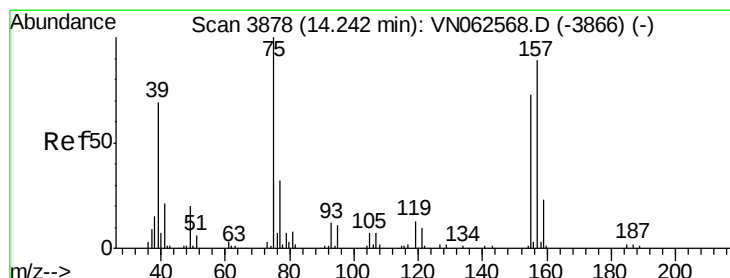
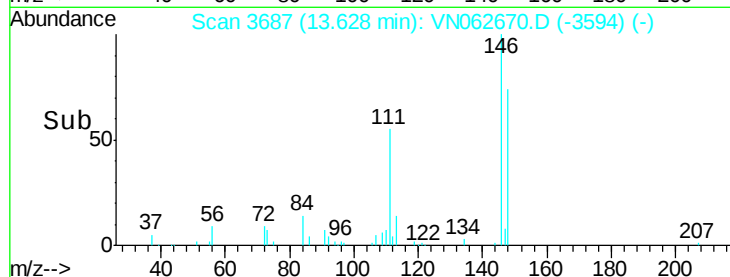
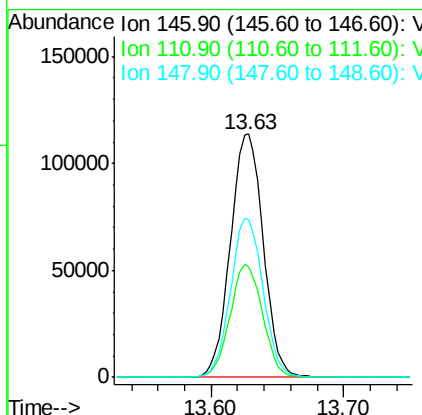
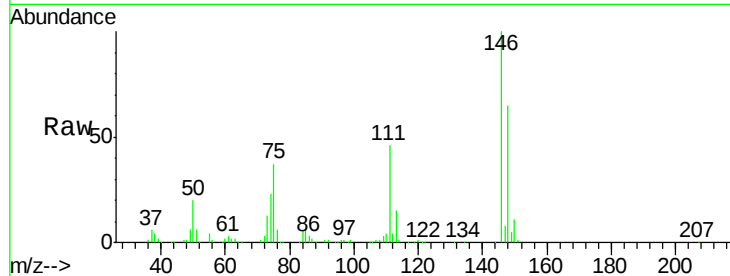
#91
 1,2-Dichlorobenzene
 Concen: 48.231 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.9	65.8
148	64.7	31.6	94.7

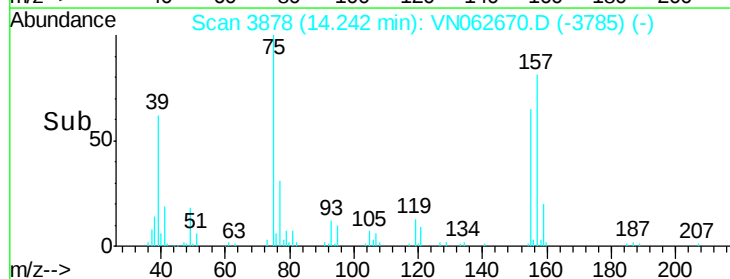
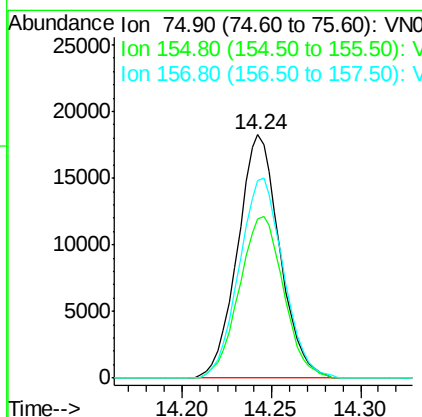
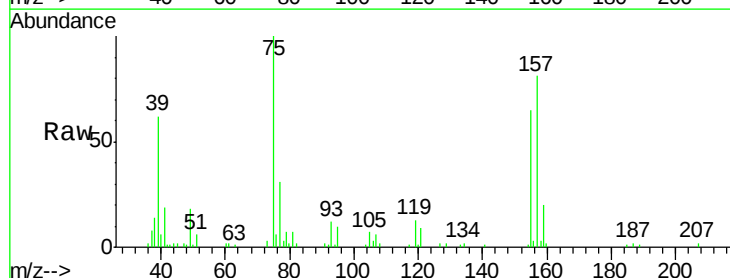
Manual Integrations
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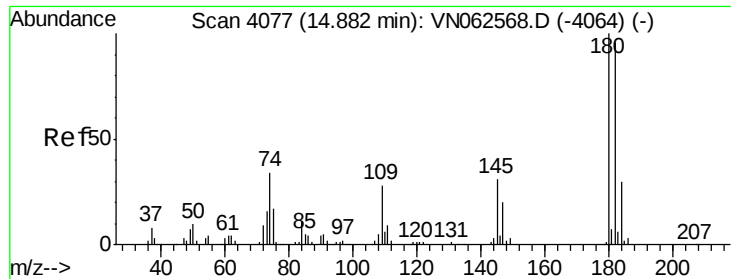
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 7/31/2020 11:56:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.355 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	35.9	107.5
157	86.2	45.0	135.0





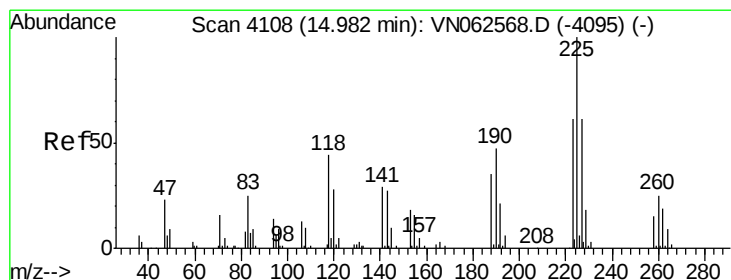
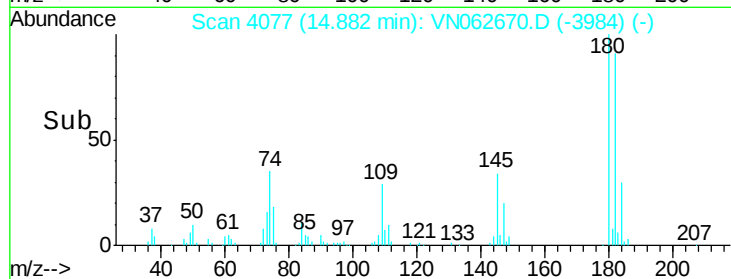
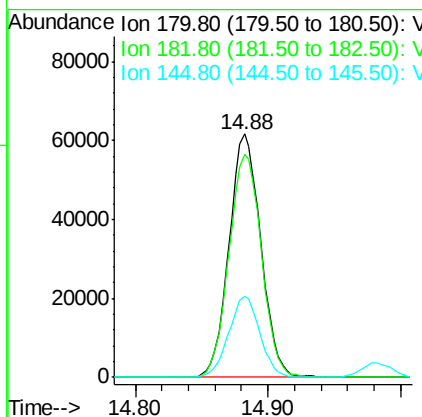
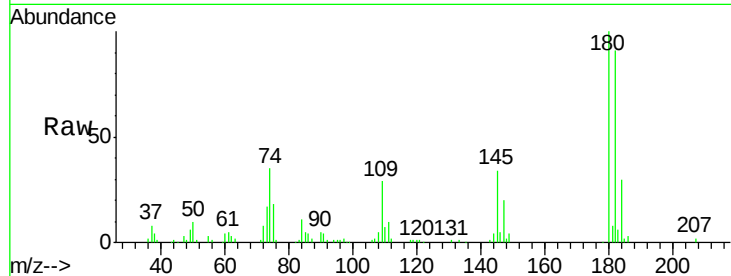
#93
 1,2,4-Trichlorobenzene
 Concen: 48.107 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102341		
182	94.0	47.8	143.3	
145	32.7	15.3	45.9	

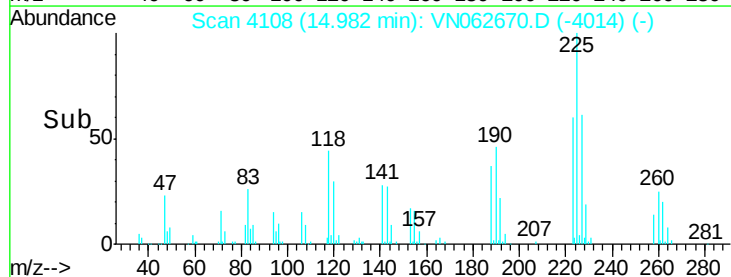
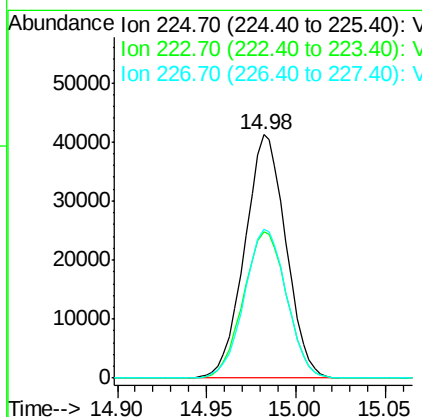
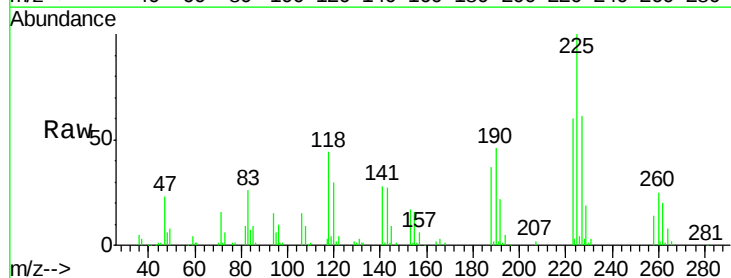
Manual Integrations
 APPROVED

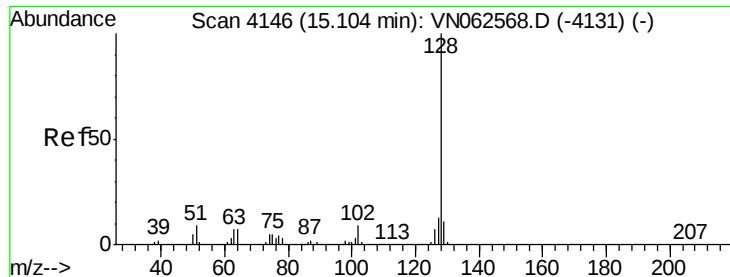
MMDadoda
 7/31/2020 11:56:55 AM



#94
 Hexachlorobutadiene
 Concen: 60.885 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062670.D
 Acq: 30 Jul 2020 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66713		
223	62.8	32.0	96.0	
227	62.4	31.1	93.2	





#95

Naphthalene

Concen: 43.083 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Instrument :

MSVOA_N

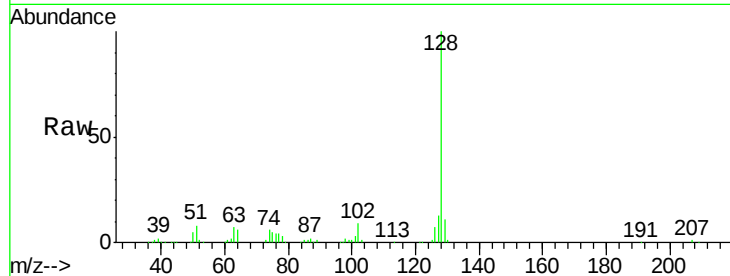
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	240574
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

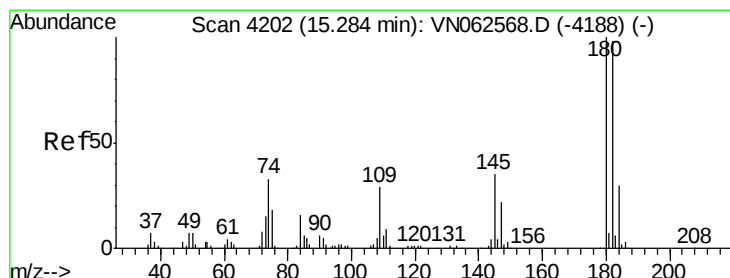
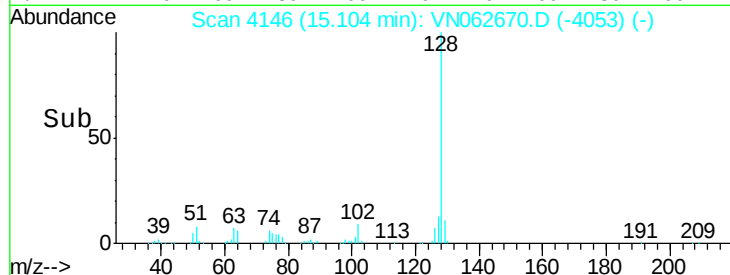
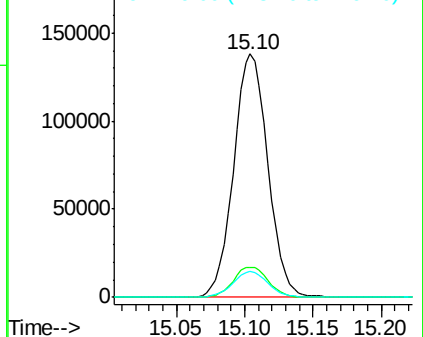
MMDadoda
7/31/2020 11:56:55 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.962 ug/l

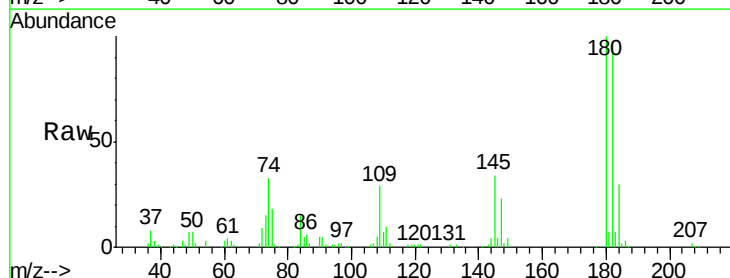
RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062670.D

Acq: 30 Jul 2020 15:49

Tgt Ion:	180	Resp:	99337
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.1	144.3
145	35.0	16.7	50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

